

# **UTILITY-RELATED ABATEMENT MEASURE PLAN**

## **Natural Gas Pipeline Installation**

New Andrea McCoy Field  
70 Hathaway Boulevard  
New Bedford, Massachusetts  
Release Tracking Number (RTN) 4-15685

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## 1.0 INTRODUCTION

TRC Environmental Corporation (TRC) is submitting this Utility-Related Abatement Measure (URAM) to the Massachusetts Department of Environmental Protection (MassDEP) on behalf of the City of New Bedford (City) through the City's Department of Environmental Stewardship and per the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000). This URAM addresses proposed utility work associated with the installation of a new natural gas pipeline servicing the New Andrea McCoy Field (New McCoy Field) in New Bedford, Massachusetts (the "Site"). The URAM includes the installation of approximately 560 feet of natural gas pipeline, three feet below grade. The natural gas pipeline will extend from the intersection of Parker Street and Hathaway Boulevard southwest along Hathaway Boulevard, and ultimately connect to the newly constructed Andrea McCoy Field House at New McCoy Field. The natural gas pipeline corridor is within a portion of the Parker Street Waste Site (PSWS) that is tracked by MassDEP under Release Tracking Number (RTN) 4-15685. Response actions at the PSWS are conducted under a Special Project designation (310 CMR 40.0060). A Site Location Map is provided as Figure 1.

The work will be performed by the City's Department of Public Infrastructure (DPI) in conjunction with NSTAR Electric & Gas (NSTAR) per URAM provisions (310 CMR 40.0460) of the MCP. The URAM provides a regulatory vehicle for the installation of utilities at sites where impacts are present in soil and/or groundwater provided that this will not limit or impede the implementation of future response actions or remedies.

## 2.0 BACKGROUND

With the exception of the field house, construction of the New Andrea McCoy Field Athletic Complex was completed in late 2010. The McCoy Field House is currently under construction. In late September 2011, TRC was notified of the City's plans to install a natural gas pipeline to supply the new McCoy Field House. This URAM addresses the proposed utility work associated with the pipeline installation.

### Site Conditions

The New McCoy Field is located at 70 Hathaway Boulevard in New Bedford, Massachusetts. The natural gas pipeline corridor (the "Site") extends from the intersection of Hathaway Boulevard and Parker Street, southwest along the eastern portion of Hathaway Boulevard to the New McCoy Field parking lot vehicle entrance. The proposed route then extends southeast to service the McCoy Field House (Figure 2). Residential housing units are located west of the natural gas pipeline corridor along Hathaway Boulevard. A church, the New Bedford High School (NBHS) campus and a commercial property border the northwestern, northeastern and southeastern corners of the intersection of Hathaway Boulevard and Parker Street, respectively.

### Surrounding Receptors

Groundwater categories at the Site include actual or potential GW-2, depending on proximity to occupied structures (groundwater is expected to be less than 15 feet below ground surface based on data collected by TRC in the vicinity of the pipeline route on the NBHS campus), and GW-3, which applies to all groundwater throughout the Commonwealth. Groundwater is not anticipated to be encountered during installation of the gas pipeline given the proposed excavation depth of 4 feet below grade. In addition, based on previous groundwater sample results, groundwater impacts are not expected in the vicinity of the pipeline corridor.

Based on review of on-line MassDEP Priority Resource Map data available from Massachusetts Geographic Information System (MassGIS), the Site is not located with a Current or Potential Drinking Water Source Area (MassGIS, 2008).

### **3.0 PERSON ASSUMING RESPONSIBILITY FOR THE URAM**

The City's DPI in conjunction with NSTAR will be responsible for conducting the URAM. In addition, the City's Department of Environmental Stewardship will coordinate environmental oversight. The contact persons for DPI, the Department of Environmental Stewardship, and NSTAR are listed below.

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Dan McMaster  
NSTAR Electric and Gas Corporation  
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Westwood, MA 02090  
Phone: 339-987-7924

David Sullivan will serve as the Licensed Site Professional (LSP) and oversee the URAM for the City.

David Sullivan  
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#### 4.0 PROPOSED UTILITY CONSTRUCTION ACTIVITIES

In late September of 2011, TRC was notified of the City's plans to install a natural gas pipeline to supply the newly constructed McCoy Field House. On October 19, 2011, TRC met with NSTAR in the field to review the proposed natural gas pipeline route. TRC also contacted representatives of the City's DPI and Mount Vernon Group Architects (MVG) on October 20, 2011 regarding the proposed pipeline corridor and associated construction designs in support of this URAM.

The proposed gas pipeline will connect to the existing utility infrastructure within the intersection of Hathaway Boulevard and Parker Street. The natural gas pipeline will extend from the existing infrastructure southwest within Hathaway Boulevard approximately 40 feet south of the intersection prior to turning slightly to avoid an existing manhole. The route turns east and continues parallel to Hathaway Boulevard within the grass divide between the sidewalk and the eastern side of the street. The proposed route turns again immediately south of the entrance to the New McCoy Field parking lot before continuing southeast and connecting to the McCoy Field House (see Figure 2). The natural gas service will connect to the McCoy Field House boiler room located on the north face of the building. Representative photos of the proposed pipeline route are presented in Appendix A.

Utility construction activities will consist of the installation of approximately 560 feet of approximately 4-inch diameter natural gas pipeline at a depth of approximately 3 feet below grade.

Pipeline installation activities will include the following:

- Saw cutting and removal of existing asphalt pavement for recycling by the City's DPI;
- Soil excavation, temporary stockpiling and management;
- Installing the natural gas pipeline;
- Backfilling of the trench; and
- Replacement of asphalt paving and refurbishment of unpaved areas.

The trench will be excavated to a depth of approximately 4 feet below grade and will be approximately 1.5 feet wide. It should be noted that portions of the trench may extend deeper than 4 feet below grade to avoid impacting existing utilities (e.g., electric lines) known to intersect the proposed natural gas pipeline route. Asphalt pavement removed to facilitate soil excavation will be segregated and recycled by the City's DPI. A DPI backhoe or similar machine will be used during trenching activities. In addition, hand tools may be used in select portions of the excavation to avoid disturbing existing utility lines or service connections.

Excavated soil will be management per the Soil Management Plan (SMP) discussed in Section 7 and included as Appendix B. Excavated soil will be temporarily staged on polyethylene sheeting (6 mil minimum) adjacent to the trench. Upon completion of pipeline installation activities, excavated soil will be returned to the trench in approximately the order in which it was removed. Soil permanently displaced by the pipeline installation will be transported by DPI to the City's Shawmut Avenue Transfer Station ("Transfer Station") for temporarily stockpiling pending characterization and offsite reuse, recycling and/or disposal. Based on the size and length of the proposed pipeline, approximately 2 cubic yards of material will be permanently displaced during the implementation of the URAM. This volume is subject to change based on site and pipeline design conditions (e.g., excavated material is not structurally suitable for backfilling purposes).

The pipe will be transported to the site in segments by NSTAR. As the trench is excavated, sections of the pipeline will be progressively installed as adequate work space becomes available. Pipe joints will be secured with a full penetration weld. Each joint will be X-rayed to ensure the integrity of the joint and that

no intrusions exist that could damage the cable. After the pipe has been welded and X-rayed, the weld area will be coated with a heat-shrink polyethylene coating. The entire pipe coating will then be checked for damage by NSTAR personnel. Following completion of the quality control inspections by NSTAR personnel, the trench will be backfilled with stockpiled and/or imported material. The trench will be filled to existing surface grade in previously grass covered areas, and to within about six inches of existing surface grade where asphalt paving will occur.

To minimize potential safety concerns, efforts will be made to backfill open trench areas prior to the end of each work day. Should trench sections remain open at the end of a work day; the area will be secured to prevent unauthorized access and covered with polyethylene sheeting to mitigate potential fugitive dust concerns.

## 5.0 SUMMARY OF PREVIOUS INVESTIGATIONS

TRC reviewed previous analytical data in the vicinity of the proposed pipeline corridor and a summary is provided herein. A complete description of the site investigation activities conducted by TRC and the United States Environmental Protection Agency (EPA) in the vicinity of the proposed gas pipeline corridor is provided in the following documents:

- *Data Summary Report, "Transect E", New Bedford, Massachusetts.* April 2008.
- *Site Investigation Summary Report for the Parker Street Waste Site Properties, New Bedford, Bristol County, Massachusetts (P014).* August 2010.
- *Site Investigation Summary Report for the Parker Street Waste Site Properties, New Bedford, Bristol County, Massachusetts (P022).* August 2010.
- *Site Investigation Summary Report for the Parker Street Waste Site Properties, New Bedford, Bristol County, Massachusetts (P015).* September 2010.
- *Phase II Comprehensive Site Assessment, New Bedford High School Campus at the Parker Street Waste Site, New Bedford, Massachusetts.* April 2011.
- *Partial Response Action Outcome Statement Report, Former Keith Junior High School/New Andrea McCoy Field, 70 Hathaway Boulevard, New Bedford, Massachusetts.* May 2011.

### 5.1 Summary of Soil Investigations

Soil and groundwater samples have been previously collected by TRC and others in the vicinity of the proposed pipeline corridor. The analytical results from these samples provide an understanding of the potential subsurface impacts along the pipeline route.

#### Hathaway Boulevard & Parker Street Right-of-Way Sampling

Between December 2004 and January 2005, BETA Group Incorporated (BETA) collected soil samples from two soil borings (HA-44 and HB-44) within the NBHS property northeast of the intersection of Hathaway Boulevard and Parker Street. The soil samples were analyzed for polychlorinated biphenyls (PCBs) and the results are included in Table 1.

In May 2008, TRC advanced soil borings to evaluate potential soil impacts in the Hathaway Boulevard and Parker Street right-of-ways. Three of these soil borings (SB-159, SB-160, and SB-327) were advanced in close proximity to the proposed utility construction area. The samples were analyzed by Con-Test Analytical Laboratories of East Longmeadow, Massachusetts for polyaromatic hydrocarbons (PAHs) and metals. The samples were analyzed by Pace/Northeast Analytical, Incorporated (Pace/NEA) of Schenectady, New York for polychlorinated biphenyls (PCBs). The analytical results are provided in Table 1.

#### New McCoy Field Sampling

Previously, BETA collected one surface soil sample (Keith S-12) within approximately 75 feet of the proposed pipeline route. The sample was analyzed for PAHs, PCBs and metals and the results are included in Table 1. The location of surface soil sample Keith S-12 is included in Figure 2. Analytical

data was not collected in association with additional soil borings advanced by others at the New McCoy Field property and depicted on Figure 2 in close proximity to the proposed pipeline route.

Between September 18, 2009 and November 29, 2009, TRC advanced eight soil borings (TF-S, TF-S2, TF-S3, TF-E, TF-N, TF-N2, TF-N4, and TF-N6) within the northwest portion of the McCoy Field property. The soil samples were analyzed by Con-Test for volatile petroleum hydrocarbons (VPH), extractable petroleum hydrocarbons (EPH), PAHs, PCBs and/or metals and the results are included in Table 1. Drilling services and equipment were provided by New England Geotech, LLC (New England Geotech) of Jamestown, Rhode Island. Copies of associated soil boring logs for the environmental investigations conducted by TRC are provided in Appendix C.

TRC conducted field screening of soil samples consisting of visual and olfactory observations, jar headspace readings using a calibrated photoionization detector (PID), and professional judgment, consistent with TRC Standard Operating Procedures (SOPs) and general industry practice. TRC employed the MassDEP jar headspace technique (MassDEP, 1996) to screen for the presence of volatile organic compounds (VOCs) in soil; nothing was detected above background. TRC also evaluated and logged the geologic character of the soil samples consistent with the Burmeister (1958) method.

The sampling locations were surveyed by Land Planning, Incorporated of Hanson, Massachusetts (Land Planning) following TRC's sampling activities.

#### Adjacent Residential / Commercial Properties

Between April 26 and June 8, 2010, Weston Solutions, Incorporated (Weston) conducted environmental investigation activities on behalf of the EPA at several residential and commercial properties adjacent to the proposed pipeline corridor. Those properties included the Carabiner's Indoor Climbing facility ("P-014") located at 328 Parker Street, the New Bedford Housing Authority Parkdale property ("P-015") and a church property located at 129 Hathaway Boulevard ("P-022").

Detailed descriptions of the investigation activities conducted by Weston are included in the above referenced summary reports. The samples were analyzed for PAHs, PCBs and metals and the results for those samples collected in the vicinity of the pipeline corridor are discussed in the above referenced EPA Site Investigation Summary Reports for properties P-014, P-015 and P-022. The locations of soil borings in the vicinity of the pipeline corridor are included in Figure 2. Copies of associated soil boring logs are provided in Appendix C. Copies of the Site Investigation Summary Reports are provided in Appendix D.

## **5.2 Summary of Groundwater Investigations**

In January 2009, TRC installed and sampled two groundwater monitoring wells, (MW-TRC-01 and MW-TRC-02) within the eastern portion of the New McCoy Field property. The groundwater samples were analyzed by Con-Test for total and dissolved semivolatile organic compounds (SVOCs) and total and dissolved MCP-14 metals. The groundwater analytical results are presented in Table 2. The monitoring wells, depicted in Figure 2, were abandoned during construction of the New McCoy Field Athletic Complex.

Monitoring well MW-25, located within the southwestern portion of the NBHS campus, is also in close proximity to the proposed pipeline corridor. Monitoring well MW-25 was sampled by TRC in September 2010. Groundwater samples were submitted to Alpha Analytical (Alpha) of Westboro, Massachusetts for VOC analysis. The analytical results are presented in Table 2 and the monitoring well location is depicted in Figure 2.

Groundwater is not anticipated to be encountered during installation of the gas pipeline given the proposed excavation depth of 4 feet below grade. In addition, based on previous groundwater samples results, groundwater impacts are not expected in the vicinity of the pipeline corridor.

## **6.0 SOIL AND GROUNDWATER MANAGEMENT**

### **6.1 Soil Management**

The proposed utility construction activities will require the excavation of soil and asphalt (as needed) in order to install a new natural gas pipeline. TRC has prepared a Soil Management Plan (SMP) intended to provide DPI, NSTAR, and all other potential subcontractors with information regarding the requisite soil management requirements. These procedures are also designed to ensure that soil that is encountered during the project is managed in a manner that is protective of human health, safety, public welfare and the environment per the MCP. Due to the depth of the proposed excavation and proximity of site groundwater, it is anticipated that groundwater management needs for this work will be limited or unnecessary. A Commonwealth of Massachusetts LSP has been retained by the City to oversee the soil management activities during construction activities to ensure compliance with the applicable provisions of the MCP and related MassDEP policies and guidance.

The utility construction activities will require the removal of asphalt, which will be transported off-site for recycling by DPI. The asphalt will be loaded directly into a DPI truck for recycling. If required, the excavated asphalt will be stockpiled in a designated onsite location pending offsite recycling. Excavated asphalt will be placed on polyethylene sheeting (6-mil minimum) or similar pending recycling.

Potentially impacted soil excavated during trenching activities will be temporarily stored on polyethylene sheeting (6-mil minimum) adjacent to the trench. Following pipeline installation, excavated soil will be backfilled in approximately the order in which it was removed. Permanently displaced soil that is not returned to the trench following pipeline installation will be loaded into DPI trucks and transported to the Shawmut Avenue Transfer Station for temporarily stockpiling pending characterization and offsite reuse, recycling and/or disposal. Upon receipt of analytical results, the soil will be classified and transported to its final disposition under an appropriate Hazardous Waste Manifest or Bill of Lading.

It is anticipated that utility construction activities will displace approximately 125 cubic yards of soil and permanently displace a minimum of 2 cubic yards of soil. This volume is subject to change based on site and pipeline design conditions (e.g., excavated material is not structurally suitable for backfilling purposes).

If soil volume estimates change during the URAM project, NSTAR/TRC will notify MassDEP verbally and in future written URAM Status Reports.

### **6.2 Groundwater Management (As Needed)**

Based on previous groundwater monitoring activities throughout the PSWS and the depth of the proposed utility trench excavation, it is unlikely that groundwater will be encountered during implementation of this URAM.

In the event that groundwater or storm water enters trenches or excavations during construction, it shall be discharged in adjacent portions of the trench/excavation within 100 feet of the location extracted to allow for recharge.

#### Management of Unexpected Soil and/or Groundwater Conditions

If unexpected soil conditions are encountered (i.e., soils that indicate visual or olfactory evidence of impacts or are otherwise atypical of expected soil conditions), the DPI and/or NSTAR will notify the project LSP. The LSP will provide further guidance relative to management, characterization, staging,

and disposal of these materials. The suspect soils and/or groundwater will be transported to a staging area for temporary storage and further characterization. This soil and/or groundwater will be stored and tracked separately from temporarily staged soils and will remain in the staging area until the City has obtained approval for transportation and disposal of this material to an appropriate receiving facility.

The impacted soil and/or groundwater will be managed at the Transfer Station in accordance with the SMP, until it is characterized and disposal options can be evaluated. Upon receipt of analytical results, the soil and/or groundwater will be classified and transported to its final disposition under an appropriate Hazardous Waste Manifest or Bill of Lading. Remediation wastes will remain on-site less than 120 days from the date of generation.

## **7.0 ENVIRONMENTAL MONITORING**

Field screening of soil will be conducted by environmental oversight personnel as part of the URAM to monitor soil conditions and excavation progress.

### **7.1 Jar-Headspace Field Screening of Soils**

VOCs are not contaminants of potential concern for Site soil targeted by this URAM. As a precaution, soil samples will be periodically screened via the MassDEP jar-headspace method for the potential presence of VOCs based on professional judgment.

### **7.2 Air Monitoring**

On-site air monitoring will be conducted by environmental oversight personnel to evaluate Site working conditions to minimize exposures to workers and nearby residents, as well as to collect and record data on general conditions.

### **7.3 Instrumented Air Monitoring for Dust**

Air monitoring will be performed using a combination of real-time dust monitoring upwind and downwind of the work area, and at a point near the closest receptor. When impacted soils are encountered during URAM-related soil excavation and management activities, field screening of breathing zone dust levels will be conducted using direct reading instruments that are designed to monitor air quality on a real-time basis. A second instrument will be used to monitor dust levels downwind of the excavation. A third dust monitor will be placed towards the nearest receptor, regardless of wind direction.

The dust monitoring units will be TSI DustTrak™ units, or equivalent, with size-selective inlets for particles of 10 micrometers in diameter or less (PM<sub>10</sub>). Background samples will be collected for at least 15 minutes at each location prior to the start of site activities. The continuous dust monitor uses a light scattering photometer to quantify particles and converts the counts to a concentration in units of milligrams per cubic meter (mg/m<sup>3</sup>). This instrumentation has an accuracy of 0.001 mg/m<sup>3</sup>. The dust monitoring instruments will be placed in weatherproof cases with an omni-directional probe to minimize wind interference. The dust monitoring instruments will be zeroed daily before use and at the end of the day. Data will be logged at 60-second intervals and will be monitored periodically by field personnel during URAM-related excavation activities. Data will be downloaded daily.

If sustained ambient dust levels exceed the EPA National Ambient Air Quality Standard (NAAQS) of 150 µg/m<sup>3</sup>, or possibly more stringent action levels in the site-specific Health & Safety Plan (HASP), at downwind sampling locations (a sustained reading would consist of a reading lasting 15 minutes or longer), dust suppression activities will be increased with a greater usage of water sprays. Monitoring levels are subject to change and may be made more stringent as additional soil data are obtained and evaluated.

### **7.4 Instrumented VOC Air Monitoring**

VOC air monitoring will be performed using a photo-ionization detector (PID) to monitor for the presence of VOCs within the work area breathing zone. Based on previously existing site data, significant VOC emissions are not expected during construction, but field monitoring of the breathing zone for VOCs will be conducted as a precaution.

Instrument readings from breathing zones within the work zone will be used to help evaluate the need for instituting additional safety measures or upgrading personal protective equipment (PPE) levels.

## **8.0 SCHEDULE**

Construction is expected to begin in November 2011 and last the duration of one to three days. The work will include the installation of a gas pipeline from the intersection of Parker Street and Hathaway Boulevard southerly towards the new McCoy Field House at the New McCoy Field in New Bedford, Massachusetts.

## **9.0 PERMITS AND APPROVAL REQUIREMENTS**

### **9.1 Federal Permit Requirements**

There are no known Federal environmental permit requirements

### **9.2 State Permit Requirements**

There are no known State environmental permit requirements

### **9.3 Local Permit Requirements**

There are no known Local environmental permit requirements

### **9.4 Miscellaneous Fees, Notices, and Transportation Documentation**

Massachusetts Dig-Safe<sup>®</sup> must be notified at least 72-hours prior to commencing the excavation activities described in this URAM. The City's DPI or NSTAR will be responsible for Dig-Safe<sup>®</sup> notifications.

All soil material that is transported from the site must be transported under MassDEP BOL that contains the signature and seal of the LSP of record for the site, or under a MSR or hazardous waste manifest as appropriate.

Other permits may be identified that will be required for construction. The City and/or NSTAR will obtain any necessary permits and they will be noted in future URAM Status Reports.

## 10.0 REFERENCES

- Burmeister, 1958. *Suggested Methods of Tests for Identification of Soils*. In: Procedures for Testing Soils. American Society for Testing and Materials, Philadelphia, PA, 1958.
- EPA, 2010a. *Investigation Summary Report for the Parker Street Waste Site Properties, New Bedford, Bristol County, Massachusetts, 26 April 2010 through 8 June 2010 (P014)*. Prepared for the United States Environmental Protection Agency – Region 1. Prepared by Weston Solutions, Inc. August 2010.
- EPA, 2010b. *Investigation Summary Report for the Parker Street Waste Site Properties, New Bedford, Bristol County, Massachusetts, 26 April 2010 through 8 June 2010 (P022)*. Prepared for the United States Environmental Protection Agency – Region 1. Prepared by Weston Solutions, Inc. August 2010.
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- TRC, 2011b. *Partial Response Action Outcome Statement Report, Former Keith Junior High School/New Andrea McCoy Field, 70 Hathaway Boulevard, New Bedford, New Bedford, Massachusetts*. Prepared for the City of New Bedford. Prepared by TRC, Lowell, Massachusetts. May 2011.

# TABLES

**Table 1**  
**Summary of Analytical Results for Soil Samples**  
**Utility-Related Abatement Measure**  
**New Bedford, Massachusetts**

Analysis	Analyte	Sample ID:						HA44	HB44	Keith S-12	SB-159			SB-160			SB-327		TF-E														
		Sample Depth (ft.)**:						0.75-3	0.5-3	0-0.5	1	4	7	1	3	6	2	6	0-3/2	6-7/7													
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*	TSCA	1/11/2005	12/30/2004	4/18/2006	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	8/11/2008	8/11/2008	9/18/2009	9/18/2009												
<b>VPH</b> (mg/kg)	C5-C8 Aliphatics	100	100	500	500	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17	U	37	U											
	C9-C12 Aliphatics	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	U	25	U											
	C9-C10 Aromatics	100	100	500	500	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12	U	25	U											
	Benzene	30	30	200	200	2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.058	U	0.12	U											
	Ethylbenzene	500	500	1,000	1,000	40	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.058	U	0.12	U											
	MTBE	100	100	100	500	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.058	U	0.12	U											
	Naphthalene	40	500	40	1,000	4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.58	U	1.2	U											
	Toluene	500	500	1,000	1,000	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.058	U	0.12	U											
	m/p-Xylene	300	500	300	1,000	300	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.12	U	0.25	U											
	o-Xylene	300	500	300	1,000	300	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.058	U	0.12	U											
<b>EPH</b> (mg/kg)	C9-C18 Aliphatics	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	11	U	13	U											
	C19-C36 Aliphatics	3,000	3,000	5,000	5,000	3,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>150</b>		<b>21</b>												
	C11-C22 Aromatics	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>98</b>		<b>34</b>												
	Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	NA	NA	0.98	U	NA	0.201	U	NA	NA	NA	NA	0.11	U	0.13	U											
	Acenaphthylene	600	10	600	10	1	N/A	NA	NA	0.98	U	NA	0.201	U	NA	NA	NA	NA	0.11	U	0.13	U											
	Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	0.98	U	NA	0.201	U	NA	NA	NA	NA	0.11	U	0.13	U											
	Benzo(a)anthracene	7	7	40	40	7	N/A	NA	NA	<b>1.5</b>		NA	0.201	U	NA	NA	NA	NA	0.11	U	<b>0.34</b>												
	Benzo(a)pyrene	2	2	4	4	2	N/A	NA	NA	<b>1.8</b>		NA	0.201	U	NA	NA	NA	NA	0.11	U	<b>0.28</b>												
	Benzo(b)fluoranthene	7	7	40	40	7	N/A	NA	NA	<b>2.5</b>		NA	0.201	U	NA	NA	NA	NA	0.11	U	<b>0.41</b>												
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	0.98	U	NA	0.201	U	NA	NA	NA	NA	0.11	U	<b>0.18</b>												
	Benzo(k)fluoranthene	70	70	400	400	70	N/A	NA	NA	0.98	U	NA	0.201	U	NA	NA	NA	NA	0.11	U	<b>0.14</b>												
	Chrysene	70	70	400	400	70	N/A	NA	NA	<b>1.3</b>		NA	0.201	U	NA	NA	NA	NA	0.11	U	<b>0.44</b>												
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	N/A	NA	NA	0.98	U	NA	0.201	U	NA	NA	NA	NA	0.11	U	0.13	U											
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	<b>2.4</b>		NA	<b>0.202</b>		NA	NA	NA	NA	0.11	U	<b>0.45</b>												
	Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	0.98	U	NA	0.201	U	NA	NA	NA	NA	0.11	U	0.13	U											
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	NA	NA	0.98	U	NA	0.201	U	NA	NA	NA	NA	0.11	U	<b>0.20</b>												
	2-Methylnaphthalene	80	300	80	500	0.7	N/A	NA	NA	0.98	U	NA	0.201	U	NA	NA	NA	NA	0.11	U	0.13	U											
	Naphthalene	40	500	40	1,000	4	N/A	NA	NA	0.98	U	NA	0.201	U	NA	NA	NA	NA	0.11	U	0.13	U											
	Phenanthrene	500	500	1,000	1,000	10	N/A	NA	NA	<b>1.3</b>		NA	0.201	U	NA	NA	NA	NA	0.11	U	<b>0.14</b>												
	Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	<b>3.8</b>		NA	0.201	U	NA	NA	NA	NA	<b>0.13</b>		<b>0.63</b>												
Dibenzofuran	NS	NS	NS	NS	100	N/A	NA	NA	0.98	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											
<b>PCBs</b> (mg/kg)	Aroclor 1016	2	2	3	3	2	1	NA	NA	0.1	U	0.0558	U	0.0556	U	0.0722	U	0.0523	U	0.641	UJ	0.655	UJ	0.0689	U	0.0507	U	0.180	UJ	NA	NA		
	Aroclor 1221	2	2	3	3	2	1	0.11	U	0.118	U	0.0558	U	0.0556	U	0.0722	U	0.0523	U	0.641	UJ	0.655	UJ	0.0689	U	0.0507	U	0.180	UJ	NA	NA		
	Aroclor 1232	2	2	3	3	2	1	0.055	U	0.059	U	0.1	U	0.0558	U	0.0556	U	0.0722	U	0.0523	U	0.641	UJ	0.655	UJ	0.0689	U	0.0507	U	0.180	UJ	NA	NA
	Aroclor 1242	2	2	3	3	2	1	NA	NA	0.1	U	0.0558	U	0.0556	U	0.0722	U	0.0523	U	0.641	UJ	0.655	UJ	0.0689	U	0.0507	U	0.180	UJ	NA	NA		
	Aroclor 1248	2	2	3	3	2	1	0.055	U	0.059	U	0.1	U	0.0558	U	0.0556	U	0.0722	U	0.0523	U	0.641	UJ	0.655	UJ	0.0689	U	0.0507	U	0.180	UJ	NA	NA
	Aroclor 1254	2	2	3	3	2	1	<b>0.308</b>		<b>0.443</b>		0.1	U	0.0558	U	0.0556	U	0.0722	U	0.0523	U	0.641	UJ	0.655	UJ	0.0689	U	0.0507	U	0.180	UJ	NA	NA
	Aroclor 1260	2	2	3	3	2	1	0.055	U	0.059	U	0.1	U	<b>0.209</b>	<b>J</b>	0.0556	U	0.0722	U	0.0523	U	0.641	UJ	0.655	UJ	0.0689	U	0.0507	U	0.180	UJ	NA	NA
	Aroclor 1262	2	2	3	3	2	1	<b>0.138</b>		<b>0.074</b>		0.1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Aroclor 1268	2	2	3	3	2	1	0.055	U	0.059	U	0.1	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Total PCBs	2	2	3	3	2	1	<b>0.446</b>		<b>0.517</b>		0.2	U	<b>0.209</b>	<b>J</b>	0.0556	U	0.0722	U	0.0523	U	0.641	UJ	0.655	UJ	0.0689	U	0.0507	U	0.180	UJ	NA	NA
<b>Metals, total</b> (mg/kg)	Antimony	20	20	30	30	20	N/A	NA	NA	NA	NA	NA	4.81	U	NA	NA	NA	5.51	U	5.37	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Arsenic	20	20	20	20	20	N/A	NA	NA	0.68	U	NA	<b>5.96</b>		NA	NA	NA	<b>40.0</b>		<b>33.2</b>		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	<b>55</b>		NA	<b>20.7</b>		NA	NA	NA	<b>29.4</b>		<b>29.1</b>		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Beryllium	100	100	200	200	100	N/A	NA	NA	NA	NA	0.31	U	NA	NA	NA	NA	0.35	U	0.34	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Cadmium	2	2	30	30	2	N/A	NA	NA	<b>0.48</b>		NA	NA	0.31	U	NA	NA	<b>0.49</b>		<b>0.42</b>		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Chromium	30	30	200	200	30	N/A	NA	NA	<b>30</b>		NA	<b>7.69</b>		NA	NA	NA	<b>12.1</b>		<b>9.75</b>		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Lead	300	300	300	300	300	N/A	NA	NA	<b>32</b>		NA	<b>32.1</b>		NA	NA	NA	<b>68.2</b>		<b>67.1</b>		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Mercury	20	20	30	30	20	N/A	NA	NA	0.058	U	NA	<b>0.133</b>		NA	NA	NA	<b>0.090</b>		<b>0.088</b>		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Nickel	20	20	700	700	20	N/A	NA	NA	NA	NA	NA	<b>3.91</b>		NA	NA	NA	<b>10.9</b>		<b>7.00</b>		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	Selenium	400	400	800	800	400	N/A	NA	NA	<b>1.03</b>		NA	6.01	U	NA	NA	NA	6.88	U	6.71	U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

**Table 1**  
**Summary of Analytical Results for Soil Samples**  
**Utility-Related Abatement Measure**  
**New Bedford, Massachusetts**

Analysis	Analyte	Sample ID:						HA44	HB44	Keith S-12	SB-159			SB-160				SB-327		TF-E	
		Sample Depth (ft.)**:						0.75-3	0.5-3	0-0.5	1	4	7	1	3	3	6	2	6	0-3/2	6-7/7
		Sample Date:						1/11/2005	12/30/2004	4/18/2006	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	5/28/2008	8/11/2008	8/11/2008	9/18/2009	9/18/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*	TSCA														
	Silver	100	100	200	200	100	N/A	NA	NA	0.34 U	NA	<b>1.07</b>	NA	NA	<b>11.1</b>	<b>8.96</b>	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	N/A	NA	NA	NA	NA	3.61 U	NA	NA	4.13 U	4.03 U	NA	NA	NA	NA	NA
	Vanadium	600	600	1,000	1,000	600	N/A	NA	NA	NA	NA	<b>13.1</b>	NA	NA	<b>39.4</b>	<b>34.3</b>	NA	NA	NA	NA	NA
	Zinc	2,500	2,500	3,000	3,000	2,500	N/A	NA	NA	NA	NA	<b>17.9</b>	NA	NA	<b>16.8</b>	<b>10.7</b>	NA	NA	NA	NA	NA

**Notes:**

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

J - Estimated value.

NA - Sample not analyzed for the listed analyte.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

UJ - Estimated non-detect.

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.**

VPH - Volatile Petroleum Hydrocarbons.

EPH - Extractable Petroleum Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

\* - For reference purpose only.

\*\* - Sample depth for EPH/VPH analysis; otherwise the sample depth applies to all listed analyses.

**Table 1**  
**Summary of Analytical Results for Soil Samples**  
**Utility-Related Abatement Measure**  
**New Bedford, Massachusetts**

Analysis	Analyte	Sample ID: Sample Depth (ft.)**: Sample Date:						TF-N		TF-S		TF-S2		TF-S3	TF-N2		TF-N4		TF-N6
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*	TSCA	0-3/2	6-7/7	0-3/2	5-6/6	0-3/2	6-7/6	6-7/6	3	8	3	8	7
								9/18/2009	9/18/2009	9/18/2009	9/18/2009	9/18/2009	9/18/2009	9/18/2009	11/25/2009	11/25/2009	11/25/2009	11/25/2009	11/25/2009
<b>VPH</b> (mg/kg)	C5-C8 Aliphatics	100	100	500	500	100	N/A	22 U	36 U	23 U	29 U	19 U	27 U	26 U	18 U	39 U	21 U	30 U	27 U
	C9-C12 Aliphatics	1,000	1,000	3,000	3,000	1,000	N/A	15 U	<b>34</b>	15 U	19 U	12 U	18 U	18 U	12 U	26 U	14 U	20 U	18 U
	C9-C10 Aromatics	100	100	500	500	100	N/A	15 U	24 U	15 U	19 U	12 U	18 U	18 U	12 U	26 U	14 U	20 U	18 U
	Benzene	30	30	200	200	2	N/A	0.073 U	0.12 U	0.076 U	0.096 U	0.062 U	0.090 U	0.088 U	0.059 U	0.13 U	0.068 U	0.10 U	0.091 U
	Ethylbenzene	500	500	1,000	1,000	40	N/A	0.073 U	<b>0.12</b>	0.076 U	0.096 U	0.062 U	0.090 U	0.088 U	0.059 U	0.13 U	0.068 U	<b>0.15</b>	0.091 U
	MTBE	100	100	100	500	0.1	N/A	0.073 U	0.12 U	0.076 U	0.096 U	0.062 U	0.090 U	0.088 U	0.059 U	0.13 U	0.068 U	0.10 U	0.091 U
	Naphthalene	40	500	40	1,000	4	N/A	0.73 U	<b>4.1</b>	0.76 U	0.96 U	0.62 U	0.90 U	0.88 U	0.59 U	1.3 U	0.68 U	<b>5.6</b>	0.91 U
	Toluene	500	500	1,000	1,000	30	N/A	0.073 U	0.12 U	0.076 U	0.096 U	0.062 U	0.090 U	0.088 U	0.059 U	0.13 U	0.068 U	<b>0.29</b>	0.091 U
	m/p-Xylene	300	500	300	1,000	300	N/A	0.15 U	0.24 U	0.15 U	0.19 U	0.12 U	0.18 U	0.18 U	0.12 U	0.26 U	0.14 U	0.20 U	0.18 U
	o-Xylene	300	500	300	1,000	300	N/A	0.073 U	<b>0.16</b>	0.076 U	0.096 U	0.062 U	0.090 U	0.088 U	0.059 U	0.13 U	0.068 U	<b>0.19</b>	0.091 U
<b>EPH</b> (mg/kg)	C9-C18 Aliphatics	1,000	1,000	3,000	3,000	1,000	N/A	11 U	670 U	11 U	1,200 U	11 U	26 U	12 U	11 U	690 U	11 U	630 U	<b>450</b>
	C19-C36 Aliphatics	3,000	3,000	5,000	5,000	3,000	N/A	11 U	<b>10,000</b>	<b>23</b>	<b>50,000</b>	<b>16</b>	<b>590</b>	12 U	<b>22</b>	<b>7,400</b>	<b>11</b>	<b>4,000</b>	<b>2,800</b>
	C11-C22 Aromatics	1,000	1,000	3,000	3,000	1,000	N/A	11 U	<b>6,800</b>	<b>23</b>	<b>21,000</b>	<b>16</b>	<b>290</b>	<b>13</b>	<b>16</b>	<b>4,600</b>	11 U	<b>3,500</b>	<b>1,900</b>
	Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	0.11 U	6.7 U	0.11 U	12 U	0.11 U	0.26 U	0.12 U	0.11 U	6.9 U	0.11 U	<b>22</b>	3.1 U
	Acenaphthylene	600	10	600	10	1	N/A	0.11 U	6.7 U	0.11 U	12 U	0.11 U	0.26 U	0.12 U	0.11 U	6.9 U	0.11 U	<b>7.7</b>	3.1 U
	Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	0.11 U	6.7 U	0.11 U	12 U	0.11 U	0.26 U	0.12 U	0.11 U	6.9 U	0.11 U	<b>12</b>	3.1 U
	Benzo(a)anthracene	7	7	40	40	7	N/A	0.11 U	6.7 U	0.11 U	12 U	0.11 U	0.26 U	0.12 U	0.11 U	6.9 U	0.11 U	<b>13</b>	<b>5.4</b>
	Benzo(a)pyrene	2	2	4	4	2	N/A	0.11 U	6.7 U	0.11 U	12 U	0.11 U	0.26 U	0.12 U	0.11 U	6.9 U	0.11 U	<b>18</b>	<b>4.7</b>
	Benzo(b)fluoranthene	7	7	40	40	7	N/A	0.11 U	6.7 U	0.11 U	12 U	0.11 U	0.26 U	0.12 U	0.11 U	6.9 U	0.11 U	<b>16</b>	<b>7.1</b>
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	0.11 U	6.7 U	0.11 U	12 U	0.11 U	0.26 U	0.12 U	0.11 U	6.9 U	0.11 U	<b>12</b>	<b>5.1</b>
	Benzo(k)fluoranthene	70	70	400	400	70	N/A	0.11 U	6.7 U	0.11 U	12 U	0.11 U	0.26 U	0.12 U	0.11 U	6.9 U	0.11 U	6.3 U	3.1 U
	Chrysene	70	70	400	400	70	N/A	0.11 U	6.7 U	0.11 U	12 U	0.11 U	0.26 U	0.12 U	<b>0.13</b>	6.9 U	0.11 U	<b>17</b>	<b>6.2</b>
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	N/A	0.11 U	6.7 U	0.11 U	12 U	0.11 U	0.26 U	0.12 U	0.11 U	6.9 U	0.11 U	6.3 U	3.1 U
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	0.11 U	6.7 U	<b>0.12</b>	12 U	0.11 U	0.26 U	0.12 U	<b>0.22</b>	<b>9.0</b>	0.11 U	<b>15</b>	<b>9.9</b>
	Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	0.11 U	6.7 U	0.11 U	12 U	0.11 U	0.26 U	0.12 U	0.11 U	6.9 U	0.11 U	<b>19</b>	3.1 U
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	0.11 U	6.7 U	0.11 U	12 U	0.11 U	0.26 U	0.12 U	0.11 U	6.9 U	0.11 U	<b>8.9</b>	3.1 U
	2-Methylnaphthalene	80	300	80	500	0.7	N/A	0.11 U	6.7 U	0.11 U	12 U	0.11 U	0.26 U	0.12 U	0.11 U	6.9 U	0.11 U	<b>33</b>	3.1 U
	Naphthalene	40	500	40	1,000	4	N/A	0.11 U	6.7 U	0.11 U	12 U	0.11 U	0.26 U	0.12 U	0.11 U	6.9 U	0.11 U	<b>39</b>	3.1 U
	Phenanthrene	500	500	1,000	1,000	10	N/A	0.11 U	6.7 U	<b>0.11</b>	12 U	0.11 U	0.26 U	0.12 U	<b>0.16</b>	<b>12</b>	0.11 U	<b>40</b>	<b>9.3</b>
	Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	0.11 U	6.7 U	<b>0.22</b>	12 U	0.11 U	<b>0.33</b>	0.12 U	<b>0.24</b>	<b>11</b>	0.11 U	<b>27</b>	<b>11</b>
Dibenzofuran	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>PCBs</b> (mg/kg)	Aroclor 1016	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>0.52</b>
	Aroclor 1221	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.12 U
	Aroclor 1232	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.12 U
	Aroclor 1242	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.12 U
	Aroclor 1248	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.12 U
	Aroclor 1254	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.12 U
	Aroclor 1260	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.12 U
	Aroclor 1262	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>0.52</b>	
<b>Metals, total</b> (mg/kg)	Antimony	20	20	30	30	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.9 U
	Arsenic	20	20	20	20	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>10</b>
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>180</b>
	Beryllium	100	100	200	200	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.31 U
	Cadmium	2	2	30	30	2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>0.74</b>
	Chromium	30	30	200	200	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>9.2</b>
	Lead	300	300	300	300	300	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>630</b>
	Mercury	20	20	30	30	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>0.27</b>
	Nickel	20	20	700	700	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>6.0</b>
	Selenium	400	400	800	800	400	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.2 U

**Table 1**  
**Summary of Analytical Results for Soil Samples**  
**Utility-Related Abatement Measure**  
**New Bedford, Massachusetts**

Analysis	Analyte	Sample ID:						TF-N		TF-S		TF-S2		TF-S3	TF-N2		TF-N4		TF-N6
		Sample Depth (ft.)**:						0-3/2	6-7/7	0-3/2	5-6/6	0-3/2	6-7/6	6-7/6	3	8	3	8	7
		Sample Date:						9/18/2009	9/18/2009	9/18/2009	9/18/2009	9/18/2009	9/18/2009	9/18/2009	11/25/2009	11/25/2009	11/25/2009	11/25/2009	11/25/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*	TSCA												
	Silver	100	100	200	200	100	N/A	NA	NA	NA	NA	0.62 U							
	Thallium	8	8	60	60	8	N/A	NA	NA	NA	NA	3.7 U							
	Vanadium	600	600	1,000	1,000	600	N/A	NA	NA	NA	NA	<b>15</b>							
	Zinc	2,500	2,500	3,000	3,000	2,500	N/A	NA	NA	NA	NA	<b>190</b>							

**Notes:**  
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).  
J - Estimated value.  
NA - Sample not analyzed for the listed analyte.  
NS - No MassDEP standards exist for this compound.  
U - Compound was not detected at specified quantitation limit.  
UJ - Estimated non-detect.  
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.**  
VPH - Volatile Petroleum Hydrocarbons.  
EPH - Extractable Petroleum Hydrocarbons.  
PCBs - Polychlorinated Biphenyls.  
RC - Reportable Concentration.  
TSCA - Toxic Substances Control Act criteria.  
\* - For reference purpose only.  
\*\* - Sample depth for EPH/VPH analysis; otherwise the sample depth applies to all listed analyses.

**Table 2**  
**Summary of Analytical Results for Groundwater Samples**  
**Utility-Related Abatement Measure**  
**New Bedford, Massachusetts**

Analysis	Analyte	Sample ID:		TRC-01		TRC-02	MW-25
		Sample Date:		1/29/2009	1/29/2009	1/29/2009	9/8/2010
		GW-2	GW-3		Field Dup		
<b>VOCs</b>							
(ug/L)	Methylene Chloride	10,000	50,000	NA	NA	NA	2.0 U
	1,1-Dichloroethane	1,000	20,000	NA	NA	NA	1.0 U
	Chloroform	50	20,000	NA	NA	NA	1.0 U
	Carbon Tetrachloride	2	5,000	NA	NA	NA	1.0 U
	1,2-Dichloropropane	3	50,000	NA	NA	NA	1.0 U
	Chlorodibromomethane	20	50,000	NA	NA	NA	1.0 U
	1,1,2-Trichloroethane	900	50,000	NA	NA	NA	1.0 U
	Tetrachloroethylene	50	30,000	NA	NA	NA	1.0 U
	Chlorobenzene	200	1,000	NA	NA	NA	1.0 U
	Trichlorofluoromethane (Freon	NS	NS	NA	NA	NA	2.0 U
	1,2-Dichloroethane	5	20,000	NA	NA	NA	1.0 U
	1,1,1-Trichloroethane	4,000	20,000	NA	NA	NA	1.0 U
	Bromodichloromethane	6	50,000	NA	NA	NA	1.0 U
	trans-1,3-Dichloropropene	10 <sup>(2)</sup>	200 <sup>(2)</sup>	NA	NA	NA	0.50 U
	cis-1,3-Dichloropropene	10 <sup>(2)</sup>	200 <sup>(2)</sup>	NA	NA	NA	0.50 U
	1,1-Dichloropropene	NS	NS	NA	NA	NA	2.0 U
	Bromoform	700	50,000	NA	NA	NA	2.0 U
	1,1,2,2-Tetrachloroethane	9	50,000	NA	NA	NA	1.0 U
	Benzene	2,000	10,000	NA	NA	NA	1.0 U
	Toluene	50,000	40,000	NA	NA	NA	1.0 U
	Ethylbenzene	20,000	5,000	NA	NA	NA	1.0 U
	Chloromethane	NS	NS	NA	NA	NA	2.0 U
	Bromomethane	7	800	NA	NA	NA	2.0 U
	Vinyl Chloride	2	50,000	NA	NA	NA	1.0 U
	Chloroethane	NS	NS	NA	NA	NA	2.0 U
	1,1-Dichloroethylene	80	30,000	NA	NA	NA	1.0 U
	trans-1,2-Dichloroethylene	90	50,000	NA	NA	NA	1.0 U
	Trichloroethylene	30	5,000	NA	NA	NA	1.0 U
	1,2-Dichlorobenzene	2,000	2,000	NA	NA	NA	1.0 U
	1,3-Dichlorobenzene	2,000	50,000	NA	NA	NA	1.0 U
	1,4-Dichlorobenzene	200	8,000	NA	NA	NA	1.0 U
	Methyl tert-Butyl Ether (MTBE)	50,000	50,000	NA	NA	NA	2.0 U
	m+p Xylene	9,000	5,000	NA	NA	NA	2.0 U
	o-Xylene	9,000	5,000	NA	NA	NA	1.0 U
	cis-1,2-Dichloroethylene	100	50,000	NA	NA	NA	1.0 U
	Dibromomethane	NS	NS	NA	NA	NA	2.0 U
	1,2,3-Trichloropropane	NS	NS	NA	NA	NA	2.0 U
	Styrene	100	6,000	NA	NA	NA	1.0 U
	Dichlorodifluoromethane (Freon	NS	NS	NA	NA	NA	2.0 U
	Acetone	50,000	50,000	NA	NA	NA	5.0 U
	Carbon Disulfide	NS	NS	NA	NA	NA	2.0 U
	2-Butanone (MEK)	50,000	50,000	NA	NA	NA	5.0 U
	4-Methyl-2-pentanone (MIBK)	50,000	50,000	NA	NA	NA	5.0 U
	2-Hexanone (MBK)	NS	NS	NA	NA	NA	5.0 U
	Bromochloromethane	NS	NS	NA	NA	NA	2.0 U
	Tetrahydrofuran	NS	NS	NA	NA	NA	10 U
	2,2-Dichloropropane	NS	NS	NA	NA	NA	2.0 U
	1,2-Dibromoethane (EDB)	2	50,000	NA	NA	NA	2.0 U
	1,3-Dichloropropane	NS	NS	NA	NA	NA	2.0 U
	1,1,1,2-Tetrachloroethane	10	50,000	NA	NA	NA	1.0 U
	Bromobenzene	NS	NS	NA	NA	NA	2.0 U
	n-Butylbenzene	7,000 <sup>(1)</sup>	50,000 <sup>(1)</sup>	NA	NA	NA	2.0 U

**Table 2**  
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**New Bedford, Massachusetts**

Analysis	Analyte	Sample ID:		TRC-01		TRC-02	MW-25
		Sample Date:		1/29/2009	1/29/2009	1/29/2009	9/8/2010
		GW-2	GW-3		Field Dup		
	sec-Butylbenzene	7,000 <sup>(1)</sup>	50,000 <sup>(1)</sup>	NA	NA	NA	2.0 U
	tert-Butylbenzene	7,000 <sup>(1)</sup>	50,000 <sup>(1)</sup>	NA	NA	NA	2.0 U
	2-Chlorotoluene	NS	NS	NA	NA	NA	2.0 U
	4-Chlorotoluene	NS	NS	NA	NA	NA	2.0 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NA	NA	NA	2.0 U
	Hexachlorobutadiene	1	3,000	NA	NA	NA	0.60 U
	Isopropylbenzene (Cumene)	7,000 <sup>(1)</sup>	50,000 <sup>(1)</sup>	NA	NA	NA	2.0 U
	p-Isopropyltoluene (p-Cymene)	7,000 <sup>(1)</sup>	50,000 <sup>(1)</sup>	NA	NA	NA	2.0 U
	Naphthalene	1,000	20,000	NA	NA	NA	5.0 U
	n-Propylbenzene	7,000 <sup>(1)</sup>	50,000 <sup>(1)</sup>	NA	NA	NA	2.0 U
	1,2,3-Trichlorobenzene	NS	NS	NA	NA	NA	2.0 U
	1,2,4-Trichlorobenzene	2,000	50,000	NA	NA	NA	2.0 U
	1,3,5-Trimethylbenzene	7,000 <sup>(1)</sup>	50,000 <sup>(1)</sup>	NA	NA	NA	2.0 U
	1,2,4-Trimethylbenzene	7,000 <sup>(1)</sup>	50,000 <sup>(1)</sup>	NA	NA	NA	2.0 U
	Diethyl Ether	NS	NS	NA	NA	NA	2.0 U
	Diisopropyl Ether (DIPE)	NS	NS	NA	NA	NA	2.0 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	NA	NA	NA	2.0 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	NA	NA	NA	2.0 U
	1,4-Dioxane	6,000	50,000	NA	NA	NA	250 U
<b>SVOCs, total</b>							
(ug/L)	Acenaphthene	NS	6,000	5.00 U	5.00 U	5.00 U	NA
	Acenaphthylene	10,000	40	5.00 U	5.00 U	5.00 U	NA
	Acetophenone	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Aniline	NS	NS	5.00 U	5.00 U	5.00 U	NA
	Anthracene	NS	30	6.00 U	6.00 U	6.00 U	NA
	Benzo(a)anthracene	NS	1,000	5.00 U	5.00 U	5.00 U	NA
	Benzo(a)pyrene	NS	500	5.00 U	5.00 U	5.00 U	NA
	Benzo(b)fluoranthene	NS	400	5.00 U	5.00 U	5.00 U	NA
	Benzo(g,h,i)perylene	NS	20	5.00 U	5.00 U	5.00 U	NA
	Benzo(k)fluoranthene	NS	100	5.00 U	5.00 U	5.00 U	NA
	Bis(2-chloroethoxy)methane	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Bis(2-chloroethyl)ether	30	50,000	10.0 U	10.0 U	10.0 U	NA
	Bis(2-chloroisopropyl)ether	100	NS	10.0 U	10.0 U	10.0 U	NA
	Bis(2-ethylhexyl)phthalate	NS	50,000	10.0 U	10.0 U	10.0 U	NA
	4-Bromophenyl phenyl ether	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Butylbenzylphthalate	NS	NS	20.0 U	20.0 U	20.0 U	NA
	4-Chloroaniline	50,000	300	20.0 U	20.0 U	20.0 U	NA
	2-Chloronaphthalene	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Chrysene	NS	70	5.00 U	5.00 U	5.00 U	NA
	Dibenzofuran	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Dibenz(a,h)anthracene	NS	40	5.40 U	5.40 U	5.40 U	NA
	1,2-Dichlorobenzene	2,000	2,000	5.00 U	5.00 U	5.00 U	NA
	1,3-Dichlorobenzene	2,000	50,000	5.00 U	5.00 U	5.00 U	NA
	1,4-Dichlorobenzene	200	8,000	5.00 U	5.00 U	5.00 U	NA
	3,3-Dichlorobenzidine	NS	2,000	10.0 U	10.0 U	10.0 U	NA
	Diethylphthalate	50,000	9,000	10.0 U	10.0 U	10.0 U	NA
	Dimethylphthalate	50,000	50,000	20.0 U	20.0 U	20.0 U	NA
	Di-n-butylphthalate	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Di-n-octylphthalate	NS	NS	20.0 U	20.0 U	20.0 U	NA
	2,4-Dinitrotoluene	20,000	50,000	10.0 U	10.0 U	10.0 U	NA
	2,6-Dinitrotoluene	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Azobenzene	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Fluoranthene	NS	200	5.00 U	5.00 U	5.00 U	NA

**Table 2**  
**Summary of Analytical Results for Groundwater Samples**  
**Utility-Related Abatement Measure**  
**New Bedford, Massachusetts**

Analysis	Analyte	Sample ID:		TRC-01		TRC-02	MW-25
		Sample Date:		1/29/2009	1/29/2009	1/29/2009	9/8/2010
		GW-2	GW-3		Field Dup		
	Fluorene	NS	40	5.00 U	5.00 U	5.00 U	NA
	Hexachlorobenzene	1	6,000	10.0 U	10.0 U	10.0 U	NA
	Hexachlorobutadiene	1	3,000	10.0 U	10.0 U	10.0 U	NA
	Hexachloroethane	100	50,000	10.0 U	10.0 U	10.0 U	NA
	Indeno(1,2,3-cd)pyrene	NS	100	5.00 U	5.00 U	5.00 U	NA
	Isophorone	NS	NS	10.0 U	10.0 U	10.0 U	NA
	2-Methylnaphthalene	2,000	20,000	5.00 U	5.00 U	5.00 U	NA
	Naphthalene	1,000	20,000	5.00 U	5.00 U	5.00 U	NA
	Nitrobenzene	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Phenanthrene	NS	10,000	5.00 U	5.00 U	5.00 U	NA
	Pyrene	NS	20	5.00 U	5.00 U	5.00 U	NA
	1,2,4-Trichlorobenzene	2,000	50,000	5.00 U	5.00 U	5.00 U	NA
<b>SVOCs, dissolved</b>							
(ug/L)	Acenaphthene	NS	6,000	5.00 U	5.00 U	5.00 U	NA
	Acenaphthylene	10,000	40	5.00 U	5.00 U	5.00 U	NA
	Acetophenone	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Aniline	NS	NS	5.00 U	5.00 U	5.00 U	NA
	Anthracene	NS	30	6.00 U	6.00 U	6.00 U	NA
	Benzo(a)anthracene	NS	1,000	5.00 U	5.00 U	5.00 U	NA
	Benzo(a)pyrene	NS	500	5.00 U	5.00 U	5.00 U	NA
	Benzo(b)fluoranthene	NS	400	5.00 U	5.00 U	5.00 U	NA
	Benzo(g,h,i)perylene	NS	20	5.00 U	5.00 U	5.00 U	NA
	Benzo(k)fluoranthene	NS	100	5.00 U	5.00 U	5.00 U	NA
	Bis(2-chloroethoxy)methane	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Bis(2-chloroethyl)ether	30	50,000	10.0 U	10.0 U	10.0 U	NA
	Bis(2-chloroisopropyl)ether	100	NS	10.0 U	10.0 U	10.0 U	NA
	Bis(2-ethylhexyl)phthalate	NS	50,000	10.0 U	10.0 U	10.0 U	NA
	4-Bromophenyl phenyl ether	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Butylbenzylphthalate	NS	NS	20.0 U	20.0 U	20.0 U	NA
	4-Chloroaniline	50,000	300	20.0 U	20.0 U	20.0 U	NA
	2-Chloronaphthalene	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Chrysene	NS	70	5.00 U	5.00 U	5.00 U	NA
	Dibenzofuran	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Dibenz(a,h)anthracene	NS	40	5.40 U	5.40 U	5.40 U	NA
	1,2-Dichlorobenzene	2,000	2,000	5.00 U	5.00 U	5.00 U	NA
	1,3-Dichlorobenzene	2,000	50,000	5.00 U	5.00 U	5.00 U	NA
	1,4-Dichlorobenzene	200	8,000	5.00 U	5.00 U	5.00 U	NA
	3,3-Dichlorobenzidine	NS	2,000	10.0 U	10.0 U	10.0 U	NA
	Diethylphthalate	50,000	9,000	10.0 U	10.0 U	10.0 U	NA
	Dimethylphthalate	50,000	50,000	20.0 U	20.0 U	20.0 U	NA
	Di-n-butylphthalate	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Di-n-octylphthalate	NS	NS	20.0 U	20.0 U	20.0 U	NA
	2,4-Dinitrotoluene	20,000	50,000	10.0 U	10.0 U	10.0 U	NA
	2,6-Dinitrotoluene	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Azobenzene	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Fluoranthene	NS	200	5.00 U	5.00 U	5.00 U	NA
	Fluorene	NS	40	5.00 U	5.00 U	5.00 U	NA
	Hexachlorobenzene	1	6,000	10.0 U	10.0 U	10.0 U	NA
	Hexachlorobutadiene	1	3,000	10.0 U	10.0 U	10.0 U	NA
	Hexachloroethane	100	50,000	10.0 U	10.0 U	10.0 U	NA
	Indeno(1,2,3-cd)pyrene	NS	100	5.00 U	5.00 U	5.00 U	NA
	Isophorone	NS	NS	10.0 U	10.0 U	10.0 U	NA
	2-Methylnaphthalene	2,000	20,000	5.00 U	5.00 U	5.00 U	NA

**Table 2**  
**Summary of Analytical Results for Groundwater Samples**  
**Utility-Related Abatement Measure**  
**New Bedford, Massachusetts**

Analysis	Analyte	Sample ID:		TRC-01		TRC-02	MW-25
		Sample Date:		1/29/2009	1/29/2009	1/29/2009	9/8/2010
		GW-2	GW-3		Field Dup		
	Naphthalene	1,000	20,000	5.00 U	5.00 U	5.00 U	NA
	Nitrobenzene	NS	NS	10.0 U	10.0 U	10.0 U	NA
	Phenanthrene	NS	10,000	5.00 U	5.00 U	5.00 U	NA
	Pyrene	NS	20	5.00 U	5.00 U	5.00 U	NA
	1,2,4-Trichlorobenzene	2,000	50,000	5.00 U	5.00 U	5.00 U	NA
<b>Metals, total</b>							
(ug/L)	Antimony	NS	8,000	40 U	40 U	40 U	NA
	Arsenic	NS	900	5.0 U	<b>7.0</b>	5.0 U	NA
	Barium	NS	50,000	<b>219</b>	<b>225</b>	<b>184</b>	NA
	Beryllium	NS	200	2.0 U	2.0 U	2.0 U	NA
	Cadmium	NS	4	2.5 U	2.5 U	2.5 U	NA
	Chromium	NS	300	5.0 U	5.0 U	5.0 U	NA
	Lead	NS	10	7.5 U	7.5 U	7.5 U	NA
	Mercury	NS	20	0.10 U	0.10 U	0.10 U	NA
	Nickel	NS	200	5.0 U	5.0 U	5.0 U	NA
	Selenium	NS	100	30 U	30 U	30 U	NA
	Silver	NS	7	3.0 U	5.0 U	3.0 U	NA
	Thallium	NS	3,000	30 U	30 U	30 U	NA
	Vanadium	NS	4,000	25 U	25 U	25 U	NA
	Zinc	NS	900	<b>18</b>	<b>38</b>	<b>174</b>	NA
<b>Metals, dissolved</b>							
(ug/L)	Antimony	NS	8,000	40 U	40 U	40 U	NA
	Arsenic	NS	900	5.0 U	<b>7.0</b>	5.0 U	NA
	Barium	NS	50,000	<b>217</b>	<b>217</b>	<b>176</b>	NA
	Beryllium	NS	200	2.0 U	2.0 U	2.0 U	NA
	Cadmium	NS	4	2.5 U	2.5 U	2.5 U	NA
	Chromium	NS	300	5.0 U	5.0 U	5.0 U	NA
	Lead	NS	10	7.5 U	7.5 U	7.5 U	NA
	Mercury	NS	20	0.10 U	0.10 U	0.10 U	NA
	Nickel	NS	200	5.0 U	5.0 U	5.0 U	NA
	Selenium	NS	100	30 U	30 U	30 U	NA
	Silver	NS	7	3.0 U	5.0 U	3.0 U	NA
	Thallium	NS	3,000	30 U	30 U	30 U	NA
	Vanadium	NS	4,000	25 U	25 U	25 U	NA
	Zinc	NS	900	<b>22</b>	<b>20</b>	<b>174</b>	NA

**Notes:**

ug/L - micrograms per liter.

NA - Sample not analyzed for the listed analyte.

NS - No MassDEP standards exist for this compound.

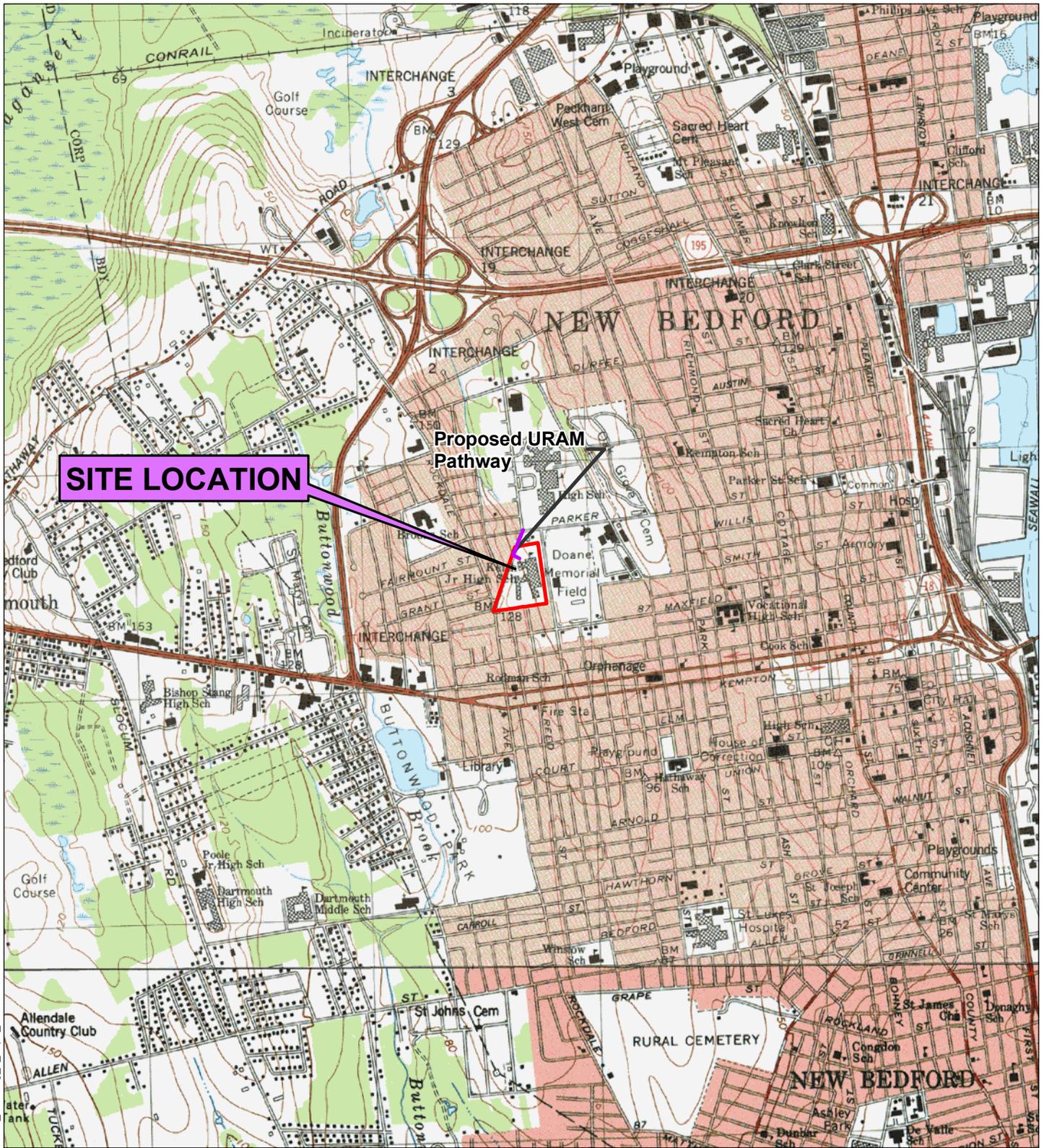
U - Compound was not detected at specified quantitation limit.

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

VOCs - Volatile Organic Compounds.

SVOCs - Semivolatile Organic Compounds.

# FIGURES

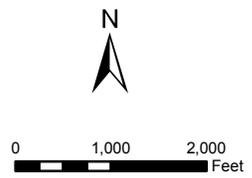


**SITE LOCATION**

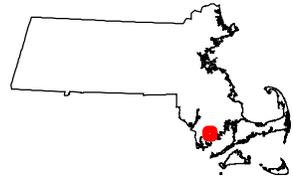
**Proposed URAM Pathway**

R:\Projects\GIS\_2007\54634\_NBedford\MXDS\_KUHS\_UST\Fig\_1\_Topo\_102811.mxd

- Approximate Site Boundary
- Proposed URAM Pathway



MASSACHUSETTS



SITE LOCATION



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

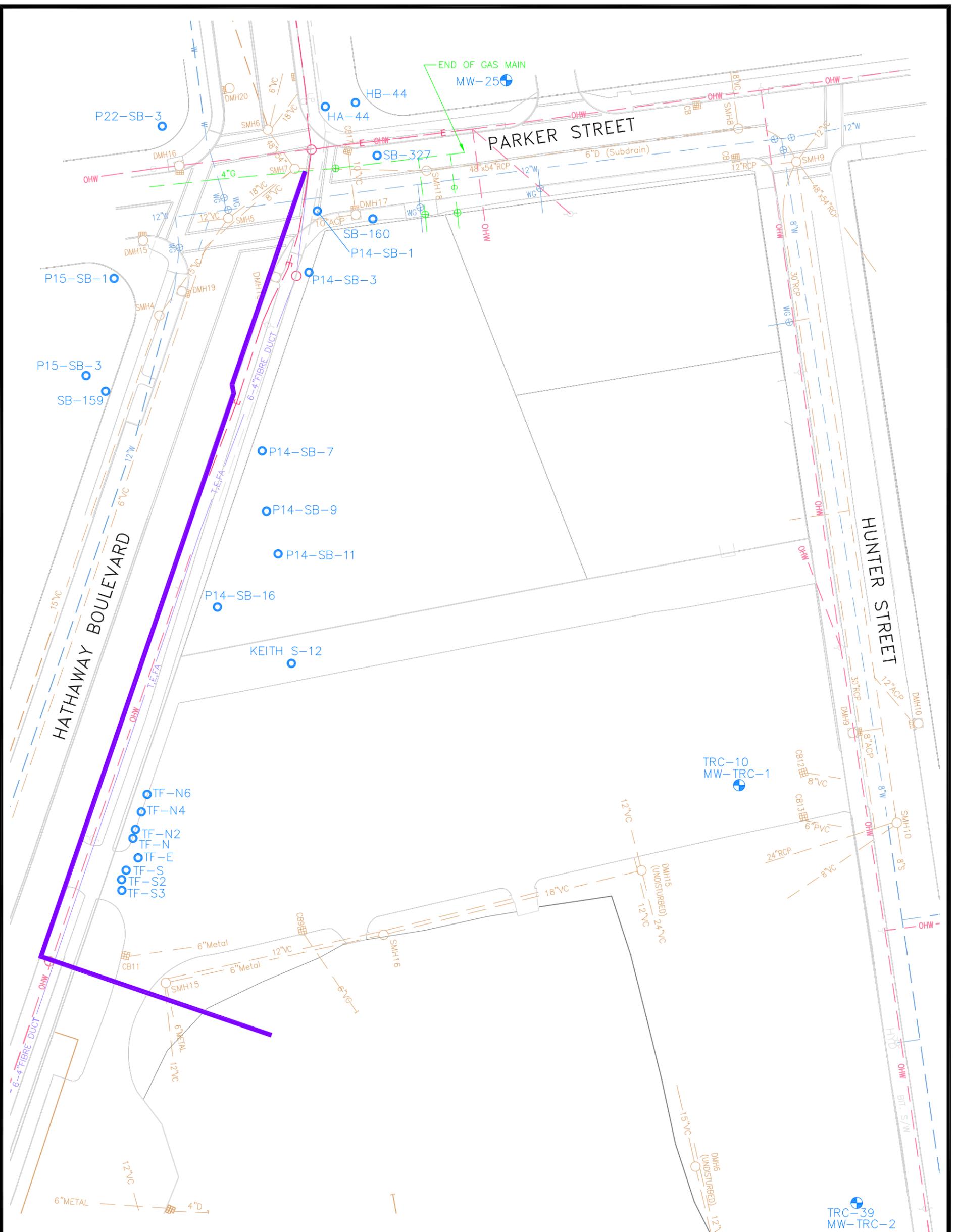
**NEW ANDREA MCCOY FIELD  
NEW BEDFORD,  
MASSACHUSETTS**

**SITE LOCATION MAP**

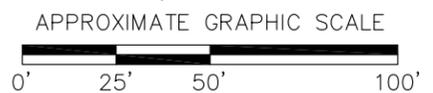
FIGURE 1

OCTOBER 2011

Base map: USGS 7.5 Minute Topographic Quadrangles  
New Bedford South (1977) New Bedford North (1979)



LEGEND:	
	PROPOSED URAM PATHWAY
	CB13 CATCH BASIN
	SMH9 SEWER MANHOLE
	DMH12 DRAIN MANHOLE
	SEWER, DRAIN LINES
	WG WATER GATE
	12"W WATER LINE
	OHW OVERHEAD WIRE
	ELECTRIC MANHOLE
	ELECTRIC LINE
	GG GAS GATE
	GAS LINE
	T,E,FA TELEPHONE LINE
	SOIL BORINGS IN CLOSE PROXIMITY TO PROPOSED GAS PIPELINE PATHWAY
	TRC MONITORING WELLS LOCATIONS (ABANDONED DURING CONSTRUCTION)



<b>NEW ANDREA McCOY FIELD</b> <b>NEW BEDFORD, MASSACHUSETTS</b>	
<b>APPROXIMATE URAM</b> <b>GAS PIPELINE PATHWAY</b>	
	Wannalancit Mills 650 Suffolk Street Lowell, MA 01854 (978) 970-5600
DRAWN BY: HWB CHECKED BY: JR	DATE: NOV 2011
<b>FIGURE</b> <b>2</b>	

**APPENDIX A**  
**Pipeline Corridor Photographs**

**City of New Bedford  
Utility-Related Abatement Measure – Gas Pipeline Installation  
New Andrea McCoy Field  
New Bedford, Massachusetts**



Photo 1: Gas line will connect to the boiler room located on the north face of the McCoy Field House (10-18-2011)



Photo 2: Gas line will make a turn towards the McCoy Field House approximate 5-feet south (to the right) of the granite curb (10-18-2011)



Photo 3: New McCoy Field parking lot entrance on Hathaway Boulevard (10-18-2011)



Photo 4: Trenching will take place in the grass divide adjacent to Hathaway Boulevard. (10-18-2011)

**City of New Bedford  
Utility-Related Abatement Measure – Gas Pipeline Installation  
New Andrea McCoy Field  
New Bedford, Massachusetts**



Photo 5: Viewed to the north, the grass divide leads into the intersection of Hathaway Boulevard and Parker Street. (10-18-2011)



Photo 6: The grass Divide along Hathaway Boulevard viewed to the south (10-18-2011)



Photo 7: View of the intersection of Hathaway Boulevard and Parker Street where the pipeline will connect to existing infrastructure. (10-18-2011)



Photo 8: View of intersection of Hathaway Boulevard and Parker Street facing northwest (10-18-2011)

**APPENDIX B**  
**Soil Management Plan**

# **SOIL MANAGEMENT PLAN**

## **Natural Gas Pipeline Installation**

*New Andrea McCoy Field*  
*70 Hathaway Boulevard*  
*New Bedford, Massachusetts*  
**Release Tracking Numbers 4-15685**

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**October 2011**

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## 1.0 INTRODUCTION

The City of New Bedford's (the "City") Department of Public Infrastructure (DPI) in conjunction with NSTAR Electric & Gas (NSTAR) intends to perform utility construction activities to provide natural gas service to the new McCoy Field House at the New Andrea McCoy Field in New Bedford, Massachusetts. The utility construction activities will be conducted per a Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) Utility-related Abatement Measure (URAM) under 310 CMR 40.0460. The applicable Massachusetts Department of Environmental Protection (MassDEP) Release Tracking Number (RTN) is 4-15685, which is assigned to the Parker Street Waste Site (PSWS). Special Project status has been established for RTN 4-15685.

The utility construction activity will include the installation of approximately 560 feet of 4-inch diameter natural gas pipeline connecting the existing infrastructure within the intersection of Hathaway Boulevard and Parker Street with the boiler room located along the north face of the McCoy Field House. The proposed pipeline corridor will extend southwest within and adjacent to the east side of Hathaway Boulevard prior to turning into the New McCoy Field property. The proposed pipeline will then travel southeast along the New McCoy Field parking lot prior to connecting to the McCoy Field House boiler room.

The URAM activities will require the excavation of soil in support of the natural gas pipeline installation. Approximately 125 cubic yards of soil will be displaced during trenching activities. The trench is anticipated to be approximately 1.5 feet wide and 4 feet deep. It is anticipated that a minimum of 2 cubic yards of soil will be permanently displaced by the pipeline installation; however additional soil volume may be permanently displaced based on site and pipeline design conditions (e.g., excavated soil is not structurally suitable for backfilling).

Excavated soil will be temporarily staged on polyethylene sheeting (6 mil minimum) adjacent to the trench. Upon completion of pipeline installation activities, excavated soil will be returned to the trench in approximately the order in which it was removed. Soil permanently displaced by the pipeline installation will be transported by DPI to the City's Shawmut Avenue Transfer Stations ("Transfer Station") for temporary stockpiling pending characterization and offsite reuse, recycling and/or disposal.

The utility construction activities will require the removal of asphalt, which will be transported off-site for recycling by DPI. The asphalt will be loaded directly into a DPI truck for recycling. If required, the excavated asphalt will be stockpiled in a designated onsite location on polyethylene sheeting (6-mil minimum) or similar pending offsite recycling.

Based on previous investigation activities by TRC and others in the vicinity of the proposed pipeline corridor, the soil associated with the excavation activities may contain concentrations of polyaromatic hydrocarbons (PAHs) and heavy metals (arsenic and lead) above MCP Method 1 S-1 soil standards. Groundwater is not anticipated to be encountered during URAM-related activities and historical groundwater sampling results in the vicinity of the proposed pipeline corridor have not indicated the presence of groundwater impacts. A summary of soil and

groundwater analytical results from sample locations in the vicinity of the proposed pipeline corridor are presented in Table 1 and Table 2 of the URAM.

This Soil Management Plan (SMP) is intended to provide the City and/or Contractor with information regarding the requisite soil management requirements. These procedures are also designed to ensure that soil that is encountered is managed in a manner that is protective of human health, safety, public welfare and the environment, as required by the MCP. Due to the depth of most of the excavations and proximity to site groundwater, it is anticipated that ground water management needs for this work will be relatively limited. A Commonwealth of Massachusetts Licensed Site Professional (LSP) has been retained by the City to oversee the soil management activities during Site construction activities to ensure compliance with the applicable provisions of the MCP and related MassDEP policies and guidance.

### **1.1 Contact Information**

The owner (the “Owner”) of the project is:

Euzebio “Zeb” Arruda  
Superintendent of Highway Division  
Department of Public Infrastructure  
1105 Shawmut Avenue  
New Bedford, MA 02746  
(508) 991-6395

Department of Environmental Stewardship  
133 William Street  
New Bedford, MA 02740  
Contact: Ms. Cheryl Henlin  
(508) 961-4576

The Owner’s LSP for this project is:

David M. Sullivan, LSP, CHMM  
LSP License Number: 1488  
TRC Environmental Corporation  
Wannalancit Mills  
650 Suffolk Street  
Lowell, MA 01854  
(978) 656-3565

### **1.2 Roles and Responsibilities**

The City, NSTAR and/or appropriate Contractors will furnish all labor, equipment and materials required to complete the work including soil excavation, stockpiling, dust control, and offsite transportation of soil and asphalt from the Site. The City, NSTAR and/or appropriate Contractors will also be responsible for obtaining all necessary Federal, state and local permits

required for this work (e.g., DigSafe<sup>®</sup> and other necessary permits that may be required by the City).

The City, NSTAR and/or appropriate Contractors will not be responsible for notifying the MassDEP Bureau of Waste Site Cleanup (BWSC), per the MCP under 310 CMR 40.0462, to implement this work. Such notification will be provided by the LSP by submitting a URAM Transmittal Form (BWSC-119) to MassDEP.

The LSP will periodically inspect the utility construction activities to ensure consistency with this SMP document and applicable MCP and MassDEP policies. Specifically, the LSP's role will include, but may not be limited to, inspection and oversight of the following activities:

- Soil excavation
- Soil sampling
- Stockpiling/temporary roll-off containment
- Loading
- Offsite transportation
- MCP related decontamination activities

The LSP will also collect any samples required to characterize soil for offsite disposal and will procure the required laboratory analyses of these samples.

The LSP will prepare and sign MCP Bills of Lading (BOLs) and/or Material Shipping Records (MSR) required for the offsite shipment of excavated soil from the Site. The Contractors will be responsible for preparing any Hazardous Waste Manifests, if needed, for the offsite transportation and disposal of any soil that meets the regulatory criteria for classification as a Hazardous Waste.

In addition, in accordance with the Occupational Safety and Health Administration (OSHA) Hazardous Waste Operations and Emergency Response (HAZWOPER) standard (29 CFR 1910.120 and 1926.65), the LSP will prepare a Site-Specific Health and Safety Plan (HASP) for this project for the protection of TRC personnel. The HASP will specify proper health and safety procedures to be implemented, and the necessary personal protective equipment to be used to protect workers from exposure to impacted soil and groundwater during excavation. The City and/or Contractor will prepare a separate HASP prior to initiating work and must adhere to the requirements of that HASP during performance of the work. The City and/or Contractor's employees assigned to the Site should have, at a minimum, 40-hour OSHA HAZWOPER training and current 8-hour OSHA HAZWOPER refresher training as appropriate. The City and/or Contractor's onsite foreman responsible for project personnel should also have OSHA Site Supervisor Training.

### **1.3 Existing Site Conditions**

The utility construction activities are to take place within the intersection of Hathaway Boulevard and Parker Street, along the eastern portion of Hathaway Boulevard and within the New Andrea McCoy Field Athletic Complex in New Bedford, Massachusetts. The utility construction activities will include the installation of approximately 560 feet of 4-inch natural

gas pipeline connecting existing infrastructure within the intersection of Hathaway Boulevard and Parker Street with the boiler room at the McCoy Field House. All utility construction will be performed on property and/or right-of-ways owned by the City. Residential housing units are located west of the gas pipeline corridor adjacent to Hathaway Boulevard. A church, the New Bedford High School (NBHS) campus and a commercial property border the northwestern, northeastern and southeastern corners of the intersection of Hathaway Boulevard and Parker Street, respectively.

TRC reviewed previous analytical data in the vicinity of the proposed pipeline corridor and a summary is provided herein. A complete description of the site investigation activities conducted by TRC and others in the vicinity of the proposed gas pipeline corridor is provided in the following documents:

- *Data Summary Report, "Transect E", New Bedford, Massachusetts.* April 2008.
- *Site Investigation Summary Report for the Parker Street Waste Site Properties, New Bedford, Bristol County, Massachusetts (P014).* August 2010.
- *Site Investigation Summary Report for the Parker Street Waste Site Properties, New Bedford, Bristol County, Massachusetts (P022).* August 2010.
- *Site Investigation Summary Report for the Parker Street Waste Site Properties, New Bedford, Bristol County, Massachusetts (P015).* September 2010.
- *Phase II Comprehensive Site Assessment, New Bedford High School Campus at the Parker Street Waste Site, New Bedford, Massachusetts.* April 2011.
- *Partial Response Action Outcome Statement Report, Former Keith Junior High School/New Andrea McCoy Field, 70 Hathaway Boulevard, New Bedford, Massachusetts.* May 2011.

### ***1.3.1 Summary of Soil Investigations***

Soil and groundwater samples have been previously collected by TRC and others in the vicinity of the proposed pipeline corridor. The analytical results from these samples provide an understanding of the potential subsurface impacts along the pipeline route

#### **Hathaway Boulevard & Parker Street Right-of-Way Sampling**

Between December 2004 and January 2005, BETA Group Incorporated (BETA) collected soil samples from two soil borings (HA-44 and HB-44) within the NBHS property northeast of the intersection of Hathaway Boulevard and Parker Street. The soil samples were analyzed for polychlorinated biphenyls (PCBs) and the results are included in Table 1.

In May 2008, TRC advanced soil borings to evaluate potential soil impacts in the Hathaway Boulevard and Parker Street right-of-ways. Three of these soil borings (SB-159, SB-160, and

SB-327) were advanced in close proximity to the proposed utility construction area. The samples were analyzed by Con-Test Analytical Laboratories of East Longmeadow, Massachusetts for polyaromatic hydrocarbons (PAHs) and metals. The samples were analyzed by Pace/Northeast Analytical, Incorporated (Pace/NEA) of Schenectady, New York for polychlorinated biphenyls (PCBs). The analytical results are provided in Table 1 of the URAM.

#### New McCoy Field Sampling

Previously, BETA collected one surface soil sample (Keith S-12) within approximately 75 feet of the proposed pipeline route. The sample was analyzed for PAHs, PCBs and metals and the results are included in Table 1. The location of surface soil sample Keith S-12 is included in Figure 2. Analytical data was not collected in association with additional soil borings advanced by others at the New McCoy Field property and depicted on Figure 2 in close proximity to the proposed pipeline route.

Between September 18, 2009 and November 29, 2009, TRC advanced eight soil borings (TF-S, TF-S2, TF-S3, TF-E, TF-N, TF-N2, TF-N4, and TF-N6) within the northwest portion of the McCoy Field property. The soil samples were analyzed by Con-Test for volatile petroleum hydrocarbons (VPH), extractable petroleum hydrocarbons (EPH), PAHs, PCBs and/or metals and the results are included in Table 1 of the URAM.

#### Adjacent Residential / Commercial Properties

Between April 26 and June 8, 2010, Weston Solutions, Incorporated (Weston) conducted environmental investigation activities on behalf of the EPA at several residential and commercial properties adjacent to the proposed pipeline corridor. Those properties included the Carabiner's Indoor Climbing facility ("P-014") located at 328 Parker Street, the New Bedford Housing Authority Parkdale property ("P-015") and a church property located at 129 Hathaway Boulevard ("P-022").

Detailed descriptions of the investigation activities conducted by Weston are included in the above referenced summary reports. The samples were analyzed for PAHs, PCBs and metals and the Site Investigation Summary Reports associated with those samples collected in the vicinity of the pipeline corridor are included in Appendix D of the URAM.

#### ***1.3.2 Summary of Groundwater Investigations***

In January, 2009, TRC installed and sampled two groundwater monitoring wells, (MW-TRC-01 and MW-TRC-02) within the eastern portion of the New McCoy Field property. The groundwater samples were analyzed by Con-Test for total and dissolved semivolatile organic compounds (SVOCs) and total and dissolved MCP-14 metals. The groundwater analytical results are presented in Table 2. The monitoring wells, depicted in Figure 2, were abandoned during construction of the New McCoy Field Athletic Complex.

Monitoring well MW-25, located within the southwestern portion of the NBHS campus, is also in close proximity to the proposed pipeline corridor. Monitoring well MW-25 was sampled by TRC in September 2010. Groundwater samples were submitted to Alpha Analytical (Alpha) of

Westboro, Massachusetts for VOC analysis. The analytical results are presented in Table 2 and the monitoring well location is depicted in Figure 2.

Groundwater is not anticipated to be encountered during installation of the gas pipeline given the proposed excavation depth of 4 feet below grade. In addition, based on previous groundwater samples results, groundwater impacts are not expected in the vicinity of the pipeline corridor.

### ***1.3.3 Utility-related Abatement Measures (310 CMR 40.0460)***

The utility related construction activities will be performed as a URAM in accordance with the provisions of the MCP at 310 CMR 40.0460. This SMP specifies the planned soil excavation activities, identifies the site conditions and describes the material disposal requirements. Within 120 days following notification to the MassDEP of the intention to conduct URAM activities, and every six months thereafter, the LSP will submit a URAM Status Report for submission to MassDEP as required by the MCP, if necessary. A URAM Completion Report will be submitted within 60 days of the completion of all response actions associated with the URAM activities as required by 310 CMR 40.0466.

### ***1.3.4 Management Procedures for Remediation Waste (310 CMR 40.0030)***

The MCP establishes requirements and procedures for the management of remediation waste including impacted media and debris and non-containerized waste. This section of the MCP also outlines procedures for documenting and tracking any offsite transportation and disposal of regulated soil from a disposal site using a MCP BOL. The BOL requirements and procedures will apply to any impacted soils transported from the Site, provided the soils are not otherwise characterized as hazardous waste pursuant to 310 CMR 30.000, the *Massachusetts Hazardous Waste Regulations*.

### ***1.3.5 Interim Waste Management Policy for Petroleum-Contaminated Soils (WSC-94-400)***

This policy outlines management practices for reuse, recycling, disposal, storage and transport of petroleum-impacted soils if encountered during utility construction activities, and presents related guidance. The policy's goals include encouraging management practices that provide for the destruction of VOCs or minimize the potential for migration/release of contaminants, and encouraging recycling of contaminated soils (e.g., asphalt batch recycling). The policy includes guidelines for testing, storage, reuse/recycling, and establishes acceptance criteria at recycling facilities.

### ***1.3.6 Reuse and Disposal of Contaminated Soil at Massachusetts Landfills (COMM-97-001)***

This policy outlines procedures for reuse or disposal of impacted soils at Massachusetts-permitted landfills. The policy includes guidelines for testing, transport, record keeping, reporting, and establishes acceptance criteria for lined and unlined landfills.

### ***1.3.7 Bill of Lading (BWSC Forms 012A, 012B and 012C)***

The BOL tracks the transportation and final disposition of Remediation Wastes generated during the performance of response actions under the MCP. BOLs may be used to record the shipment of contaminated soil from the Site to a reuse, recycling and/or disposal facility approved by the Owner and LSP. BOLs will be stamped and signed by the LSP.

### ***1.3.8 Hazardous Waste Manifest***

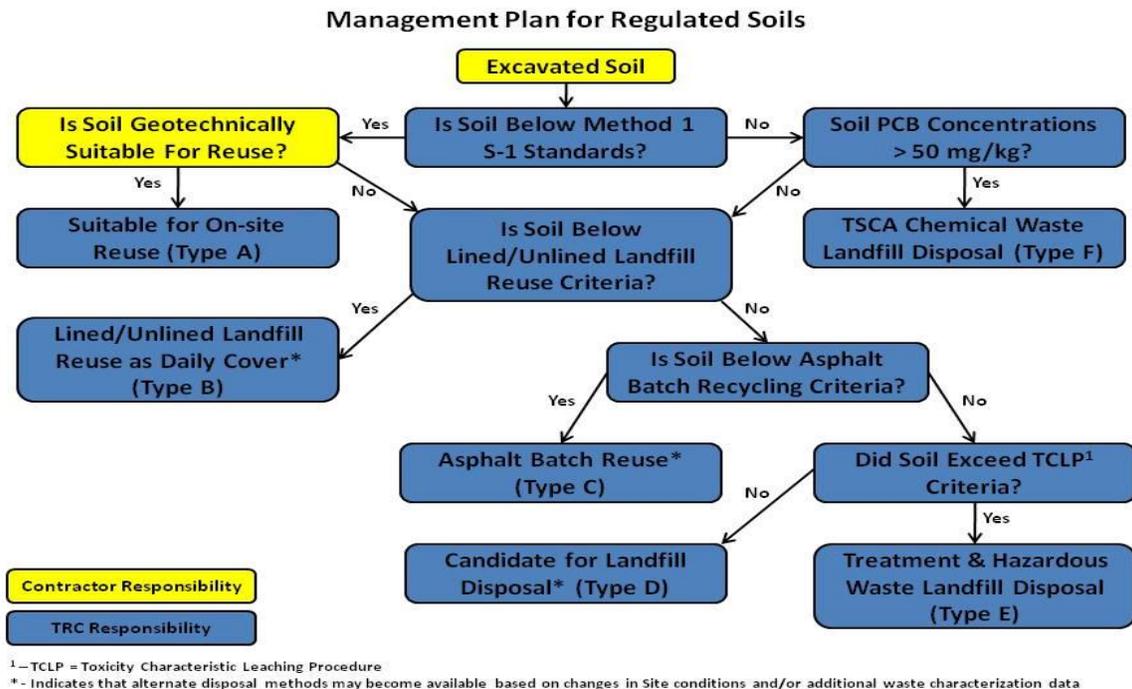
A Hazardous Waste Manifest is a MassDEP-approved form used to track the origin, quantity, composition, transportation and final destination of hazardous waste. Hazardous Waste Manifests should be utilized for shipping of any wastes subject to the Massachusetts Hazardous Waste Regulations (310 CMR 30.000). The hazardous waste disposal facility to be used for disposal of any such material will be subject to approval by the Owner and/or LSP. Other requirements apply as described in 310 CMR 30.310. It is not anticipated that the generation of hazardous waste will be a part of this project.

Note that the reference to MassDEP policies COMM-97-001 and WSC-94-400 does not preclude the use of out-of-state facilities that offer similar reuse (e.g., landfill daily cover) or recycling (e.g., asphalt batch) opportunities. Such opportunities may be evaluated and/or utilized on a case by case basis assuming facility acceptance criteria can be met and the facility is currently within its regulatory jurisdiction for the reuse and/or recycling services provided.

## 2.0 EXCAVATION OVERSIGHT

TRC personnel will provide periodic oversight during utility related construction activities when soil is being excavated, backfilled, transported, or when excavation dewatering activities are occurring (not anticipated to be necessary). The soil oversight personnel will be screening soil against previously collected analytical data and providing as needed clarification regarding the soil category to the City and/or Contractor to ensure soil is segregated to the appropriate stockpile pending final reuse, recycling and/or disposal determinations.

It is currently anticipated that most of the soil to be excavated during utility related construction activities will be utilized to backfill the excavations. Excess soils will be characterized prior to disposal. Typical soil management options for a utility related construction project at a listed Disposal Site may include onsite reuse; offsite reuse/recycling; disposal at an approved and appropriately licensed, non-hazardous waste, lined or unlined landfill; and disposal at an approved and appropriately licensed hazardous waste landfill. The determination of the reuse, recycling, or disposal option for soils from different portions of the excavation will consider physical and chemical characteristics of the soil and the reuse capacity within the construction project, as shown in the following flow diagram:



Typical soil management options for a construction project at a listed Disposal Site may allow soil to be returned to the approximate location from which it came providing that it is chemically and geotechnically suitable for reuse as backfill, with the geotechnical suitability determined by the City, Contractor, and/or project Architect/Engineer. Chemical suitability is determined by the LSP. Soil that is suitable for onsite reuse may be returned directly to the excavation or stockpiled for later reuse in a nearby location. Soil that has been deemed unsuitable for reuse onsite will be segregated and stockpiled for offsite management (offsite reuse and/or disposal).

## 2.1 Soil Classification

Soil displaced by utility related construction activities will be classified by the following criteria. If the criteria are not in agreement, then the classification will be made based on the highest ranked factor.

- 1) Pre-characterization data;
- 2) Physical observations of ash-bearing “fill” material; and
- 3) Physical observations of other anthropogenic “fill” material.

Soil at a listed Disposal Site displaced by utility related construction activities may be segregated into one or more of the following classifications:

- Type A – Pre-characterized soils for reuse onsite; excess Type-A soil is also suitable for offsite reuse as cover material at a lined or unlined landfill facility. Onsite reuse is restricted to the location from which the soils were excavated. Any other placement requires prior approval of the LSP;
- Type B – Suitable for unlined or lined landfill re-use (chemically unsuited for reuse onsite); may also include soils suitably treated to allow for unlined and lined landfill re-use;
- Type C – Suitable for asphalt batch recycling (geotechnically unsuited for reuse onsite and/or chemically unsuited for reuse onsite or offsite);
- Type D – Non-hazardous waste landfill disposal (chemically unsuited for on or offsite reuse, and offsite recycling); and
- Type E – Soil requiring segregation and offsite treatment prior to disposal as a hazardous waste.
- Type F – Soil requiring disposal at TSCA chemical waste landfill

The above outlined classification process is expected to produce the following six soil types:

**Type A soils** – Soil eligible for reuse onsite.

**Type B soils** have been characterized as unsuitable for onsite reuse or the soil may be geotechnically unsuitable for onsite reuse as deemed by the City and/or Contractor. These soils can be transported offsite for reuse as cover material at a lined or unlined landfill facility (depending upon acceptance criteria comparisons). If these soils indicate concentrations below their applicable offsite facility acceptance criteria, they will be segregated and transported offsite for re-use at a lined or unlined landfill facility.

**Type C soils** are unsuitable for reuse onsite. These soils are suitable for recycling at an offsite asphalt batch facility.

**Type D soils** are unsuitable for on- or offsite reuse and offsite recycling. These soils do not indicate a failure of Toxicity Characteristic Leachate Procedure (TCLP) analysis. Therefore,

these soils may be segregated and transported offsite for disposal at a non-hazardous waste landfill.

**Type E soils** have been characterized as unsuitable for reuse onsite. These soils failed TCLP analysis and will need to be segregated for offsite disposal as hazardous waste.

**Type F soils** have been characterized as unsuitable for reuse on-site. These soils contain concentrations of PCBs greater than 50 mg/kg and will need to be segregated for off-site disposal at a TSCA chemical waste landfill.

Soil type determinations will be made by the LSP following the collection of suitable characterization data.

### **3.0 ONSITE SOIL MANAGEMENT**

The utility construction activities will require the excavation of soil in order to install a natural gas pipeline. It is anticipated that approximately 125 cubic yards of soil will be displaced by the construction activities, and a minimum of approximately 2 cubic yards of soil will be permanently displaced. Soil excavated during utility construction activities will be temporarily stockpiled and utilized to backfill the trench upon completion of the installation of the gas pipeline. To the extent practicable, soils will be returned to the excavation in the order it was removed. Permanently displaced soil will be transported to the Shawmut Avenue Transfer Station for temporary stockpiling pending characterization and offsite reuse, recycling and/or disposal

#### **3.1 Onsite Stockpile Disposition**

It is anticipated that excavated material will be temporarily stockpiled immediately adjacent to the trench. The onsite stockpiles will be staged on polyethylene sheeting (minimum 6-mil thickness) and covered with sheeting at all times with the exception of periods when adding or removing soil to or from the piles. The stockpiles should be designed such that storm water runoff does not impact the soil and any water draining from the soil does not migrate from the polyethylene sheeting to the ground surface. The stockpiles shall be inspected and estimates of total volumes made on a daily basis. If roll-offs will be used, they will be lined with polyethylene and covered to prevent leakage and storm water accumulation. Soil may be stockpiled at an alternative City owned location at the discretion of the City.

#### **3.2 Offsite Reuse, Recycling and/or Disposal**

Excavated soil that will be transported from the Site will be characterized as appropriate for offsite disposal at a suitable facility. Several suitable offsite facilities are being considered, but the facility locations have not been finalized. The laboratory results of pre-characterization sampling will be used for offsite disposal characterization to the extent possible. The existing Site data will be supplemented as necessary to satisfy facility-specific acceptance criteria. The sample laboratory data will be compared against Massachusetts reuse, recycling, and disposal criteria in accordance to MassDEP Policy# COMM-97-001 and Interim Policy #WSC-94-400.

Transportation of all materials from the site will be performed using a MassDEP Bill of Lading (BOL), Material Shipping Record (MSR) or Hazardous Waste Manifest, as appropriate, and will be performed within 120 days of stockpiling in accordance with 310 CMR 40.0030 of the MCP.

#### **3.3 Decontamination of Vehicles Transporting Soils**

Vehicles used for the utility construction may require decontamination. In the event vehicle decontamination is required, soils and mud will be removed from vehicles prior to their departure from the Site. The method of soil removal will likely be a combination of brushing the wheels to remove loose soils. A decontamination pad may be constructed (as necessary) by the City, NSTAR and/or an appropriate Contractor prior to soil removal activities. Any liquids generated by vehicle decontamination will be drummed and transported offsite for disposal.

In addition, the City and/or Contractor shall be responsible for ensuring that tracking of potentially contaminated soil onto public roadways is prevented.

Decontamination procedures may be modified at the discretion of the LSP if differing site conditions or regulatory requirements are encountered. Any modifications will be documented.

### **3.4 Supplementary Stockpile Characterization**

Prior to transport and disposal of stockpiled soils, soils stockpiled for disposal will be evaluated to determine whether sufficient analytical data is available to satisfy the requirements of the selected disposal or recycling facility. As deemed necessary, soil samples will be collected and analyzed according to the analytes and the sampling frequency specified by the selected disposal facility.

The City, at its option, may stockpile soils displaced by the project, if any, at the Shawmut Avenue Transfer Station.

### **3.5 Environmental Monitoring**

TRC personnel will be onsite during the gas pipeline installation and as needed for soil management, and will conduct environmental monitoring activities as described herein.

#### ***3.5.1 Field Screening Associated with Soil Removal***

Field screening of soil will be conducted as part of the URAM to monitor soil conditions and excavation progress.

##### ***3.5.1.1 Jar-Headspace Field Screening of Soils***

VOCs are not a concern at the Site based on prior sampling and analysis of soil. As a precaution, soil disturbed or excavated as described herein to accomplish construction activities will be periodically screened via the MassDEP jar-headspace method for the potential presence of VOCs based on professional judgment. TRC is prepared to sample and analyze soil for which field observations suggest potential VOC impact.

#### ***3.5.2 Air Monitoring***

On-site air monitoring will be conducted to evaluate Site working conditions to minimize exposures to workers and nearby residents. During construction and site work, water spraying may be utilized to prevent fugitive dust.

##### ***3.5.2.1 Air Monitoring***

Air monitoring will be performed using a combination of real-time dust and VOC monitoring utility construction activities.

#### *3.5.2.1.1 Real-Time Dust Monitoring*

Dust suppression in the form of water sprays may be implemented proactively throughout URAM-related activities involving the excavation and management of potentially impacted soils. Dust suppression may be implemented in advance of and throughout real-time dust monitoring. The use of dust monitoring equipment would aid in determining the effectiveness of dust suppression activities and help determine the need for instituting additional safety measures.

It is anticipated that impacted material may be encountered during the utility construction activities. When potentially impacted soils are encountered during URAM-related soil excavation and management activities, real-time field screening of breathing zone dust levels will be conducted using direct reading instruments that are designed to monitor air quality on a real-time basis. A second instrument will be used to monitor dust levels downwind of the excavation, while a third instrument will be used as a precaution to monitor dust levels within the work zone and/or the nearest property (e.g., residence, school, etc.) regardless of the wind direction.

The dust monitoring units will be TSI DustTrak™ units, or equivalent, with size-selective inlets for particles of 10 micrometers in diameter or less (PM<sub>10</sub>). Background samples will be collected for at least 15 minutes at each location prior to the start of site activities. The continuous dust monitor uses a light scattering photometer to quantify particles and converts the counts to a concentration in units of milligrams per cubic meter (mg/m<sup>3</sup>). This instrumentation has an accuracy of 0.001 mg/m<sup>3</sup> (1 ug/m<sup>3</sup>). The dust monitoring instruments will be placed in weatherproof cases with an omni-directional probe to minimize wind interference. The dust monitoring instruments will be zeroed daily before use and at the end of the day. Data will be logged at 60-second intervals and will be monitored periodically by field personnel during URAM-related excavation activities. Data will be downloaded daily.

If sustained ambient dust levels exceed the EPA National Ambient Air Quality Standard (NAAQS) of 150 µg/m<sup>3</sup> at downwind sampling locations (a sustained reading would consist of a reading lasting 15 minutes or longer), dust suppression activities will be increased with a greater usage of water sprays.

#### *3.5.2.1.2 VOC Air Monitoring*

VOC air monitoring will be performed using a photo-ionization detector (PID) to monitor for the presence of VOCs within the work area breathing zone. Based on previously existing site data, significant VOC emissions are not expected during construction, but field monitoring of the breathing zone for VOCs will be conducted as a precaution. Periodically (e.g., during routine checks of the real-time dust monitoring instrumentation), TRC will collect PID measurements in locations upwind and downwind of demolition or soil disturbance activities, as well as in the location used to monitor dust levels within the work zone and/or the nearest property (e.g., residence, school, etc.) regardless of the wind direction.

### **3.5.3 Action Levels**

Instrument readings from breathing zones within the work zone will be used to help evaluate the need for instituting additional safety measures or upgrading personal protective equipment (PPE) levels.

The ambient Action Level for dust is based on the EPA 24 hour NAAQS for PM<sub>10</sub> particulate of 150 ug/m<sup>3</sup>.

If PID readings are sustained above 5 parts per million by volume (ppmv) in the breathing zone for at least five minutes, all on-site workers will be moved to an upwind location and TRC's office health and safety coordinator and/or corporate health and safety manager will be contacted to evaluate suitable response actions. Any upgrade in respiratory protection will be coordinated with the corporate health and safety manager and/or the office health and safety coordinator.

## **APPENDIX C**

### **Soil Boring Logs**



# SOIL BORING LOG

BORING No. P-014, SB-01

PROJECT: PARKER STREET WASTE SITE      LOCATION: NEW BEDFORD, MA      SHEET No. 1 OF 1  
 CLIENT: U.S. EPA REGION I/START III      RIG: GEOPROBE      OPERATOR: START/EPA/ERT  
 DATE STARTED: 5/7/10      DATE FINISHED: 5/7/10      DATE SAMPLES COLLECTED: 5/7/10  
 SOIL BORING METHOD (CIRCLE ONE): DUAL TUBE      MACROCORE      LARGE BORE      LOG COMPLETED BY: START

DEPTH (FEET)	RECOVERY (INCHES)	C L A S S I F I C A T I O N	PID MEASUREMENTS (PPM)
0			
0 - 3"		Brown-to-dark brown, SILT and fine SAND, trace fine-to-coarse gravel.	
3 - 7"		Light brown-to-dark brown, SILT and fine SAND, little coarse gravel (slag).	0.0 (top)
7 - 10"		Light brown, fine-to-medium SAND.	
10 - 11"		Brown, fine-to-medium SAND, trace fine gravel.	
11 - 15"		White, black, and orange-brown, ASH [FILL].	
15 - 25"	34"	Light brown, medium-to-coarse SAND, little fine-to-coarse gravel, trace fine sand.	0.0 (length)
0 - 3"			
3 - 7"			
7 - 9"			
9 - 13"			
13 - 14"			
14 - 18"			
18 - 20"			
20 - 23"			
23 - 32"	32"		
0 - 3"		Light brown, fine-to-medium SAND, little coarse sand.	
3 - 7"		Brown, SILT, trace clay.	
7 - 9"		Brown, fine SAND and SILT, trace coarse sand.	0.1 (top)
9 - 13"		Light brown, fine SAND and SILT.	
13 - 14"		Brown, coarse SAND.	
14 - 18"		Light brown, fine SAND and SILT.	
18 - 20"		Light brown, fine-to-medium SAND.	
20 - 23"		Brown, SILT and CLAY.	0.0 (length)
23 - 32"		Brown-to-dark brown, SILT, trace clay, roots, and wood.	
0 - 7"		Gray-to-light brown, fine-to-coarse SAND, little fine-to-coarse gravel, wet.	
7 - 8"		Gray, fine SAND, trace silt and medium sand.	
8 - 16"		Gray, fine-to-medium SAND, little silt and fine-to-coarse gravel.	0.0 (top)
16 - 19"		Gray, fine SAND, trace silt and medium sand.	
19 - 24"		Gray, fine-to-coarse GRAVEL, little fine-to-medium sand, trace coarse sand.	
24 - 30"		Light brown, coarse SAND, wet.	0.0 (length)
30 - 33"		Light brown, coarse SAND, little coarse gravel.	
		- End of Boring -	0.0 (bottom)

**NOTES:**

1. Burmister soil classification system  
 hrs = hours  
 " = inches  
 PPM = parts per million  
 ft = feet

Sample "A" = 0-1 ft collected at 1035 hrs.  
 Sample "B" = 1-3 ft collected at 1040 hrs.  
 Sample "C" = Fill sample collected at 1100 hrs from 0-4 ft core interval, from 25-34 inch interval.  
 Sample "D" = Top of native soil sample collected at 1110 hrs from 4-8 ft core interval, from 22-32 inch interval.  
 Sample "E" = Bottom of native soil sample collected at 1115 hrs from 8-12 ft core interval, from 11-33 inch interval.

**PROPORTIONS USED (by DRY WEIGHT)**

0 to 10% = TRACE  
 >10 to 20% = LITTLE  
 >20 to 35% = SOME  
 >35 to 50% = AND  
 >50% = MAJOR



# SOIL BORING LOG

BORING No. P-014, SB-03

PROJECT: PARKER STREET WASTE SITE      LOCATION: NEW BEDFORD, MA      SHEET No. 1 OF 1  
 CLIENT: U.S. EPA REGION I/START III      RIG: GEOPROBE      OPERATOR: START/EPA/ERT  
 DATE STARTED: 5/7/10      DATE FINISHED: 5/7/10      DATE SAMPLES COLLECTED: 5/7/10  
 SOIL BORING METHOD (CIRCLE ONE): DUAL TUBE      MACROCORE      LARGE BORE      LOG COMPLETED BY: START

DEPTH (FEET)	RECOVERY (INCHES)	CLASSIFICATION	PID MEASUREMENTS (PPM)
0		0 - 3" Light brown, fine SAND, little fine gravel. 3 - 13" Brown, fine SAND, trace silt and fine-to-coarse gravel (glass and plastic) [FILL].	0.1 (top)
1		13 - 17" Light brown, fine SAND, little fine-to-coarse gravel, trace silt.	
2	26"	17 - 26" Light brown-to-brown, fine-to-medium SAND and fine-to-coarse GRAVEL (ash) [FILL].	0.4 (length)
3			0.0 (bottom)
4			
5		0 - 2" White, black, and orange-brown, ASH [FILL]. 2 - 4" White, black, and light brown, ASH and GLASS [FILL]. 4 - 9" Orange-brown, fine SAND, little fine gravel, trace silt. 9 - 13" Light brown-to-brown, fine SAND and SILT, trace clay.	0.5 (top)
6	27"	13 - 18" Light brown, fine-to-medium SAND, trace silt. 18 - 20" Dark brown-to-black, SILT, trace clay and roots. 20 - 21" Light brown-to-black, SILT and CLAY. 21 - 27" Dark brown-to-black, SILT, trace clay and roots.	0.0 (length)
7			
8		45 - 46" Gray, fine-to-medium SAND.	0.2 (bottom)
9		0 - 1" Brown, SILT and CLAY, trace fine sand. 1 - 4" Light brown, fine-to-medium SAND, trace silt. 4 - 8" Light brown, SILT, trace coarse sand. 8 - 19" Light gray, fine-to-medium SAND, some fine-to-coarse gravel, trace silt and coarse sand, moist.	0.2 (top)
10	31"	19 - 23" Light brown, medium-to-coarse SAND, wet. 23 - 31" Gray-to-light brown, medium-to-coarse SAND and fine-to-coarse GRAVEL.	0.0 (length)
11			0.0 (bottom)
12		- End of Boring -	

**NOTES:**

1. Burmister soil classification system  
 hrs = hours  
 " = inches  
 PPM = parts per million  
 ft = feet

Sample "A" = 0-1 ft collected at 0950 hrs.  
 Sample "B" = 1-3 ft collected at 0955 hrs.  
 Sample "C" = Fill sample collected at 1005 hrs from 0-4 ft core interval, from 19-26 inch interval.  
 Sample "D" = Top of native soil sample collected at 1020 hrs from 4-8 ft core interval, from 18-27 inch interval.  
 Sample "E" = Bottom of native soil sample collected at 1025 hrs from 8-12 ft core interval, from 11-31 inch interval.

**PROPORTIONS USED (by DRY WEIGHT)**

0 to 10% = TRACE  
 >10 to 20% = LITTLE  
 >20 to 35% = SOME  
 >35 to 50% = AND  
 >50% = MAJOR

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# SOIL BORING LOG

BORING No. P-014, SB-07

PROJECT: PARKER STREET WASTE SITE      LOCATION: NEW BEDFORD, MA      SHEET No. 1 OF 1  
 CLIENT: U.S. EPA REGION I/START III      RIG: GEOPROBE      OPERATOR: START/EPA/ERT  
 DATE STARTED: 5/7/10      DATE FINISHED: 5/7/10      DATE SAMPLES COLLECTED: 5/7/10  
 SOIL BORING METHOD (CIRCLE ONE): DUAL TUBE      MACROCORE      LARGE BORE      LOG COMPLETED BY: SERAS

DEPTH (FEET)	RECOVERY (INCHES)	CLASSIFICATION	PID MEASUREMENTS (PPM)
0		0 - 12" Dark gray, fine-to-coarse SAND, little silt, some fine-to-coarse gravel, slightly moist.	0.0 (top)
1		12 - 22" Light olive-brown, fine-to-coarse SAND, some fine-to-coarse gravel, little silt, slightly moist.	
2	34"	22 - 34" Dark brown-to-black, fine SAND, little fine-to-coarse gravel (cinders, slag, ash, and roots), trace coarse sand, slightly moist [FILL].	0.0 (length)
3			0.0 (bottom)
4		0 - 4" Slough.	
5		4 - 8" Brown, SILT. little fine sand, trace organics, slightly moist.	0.0 (top)
6	28"	8 - 28" Yellowish-brown-to-black, fine SAND, little silt, trace coarse gravel (cinders, slag, ash, glass, and ceramic), slightly moist [FILL].	0.0 (length)
7			0.0 (bottom)
8		0 - 1" Slough.	
9		1 - 8" Black, organic SILT, (Peat), some roots, trace fine sand, moist.	0.0 (top)
10	35"	8 - 14" Gray, fine-to-coarse SAND, some fine-to-coarse gravel, trace silt, wet.	0.0 (length)
11		14 - 35" Yellowish-brown, fine-to-coarse SAND and fine-to-coarse GRAVEL, little silt, wet.	0.0 (bottom)
12		- End of Boring -	

**NOTES:**

1. Burmister soil classification system  
 hrs = hours  
 " = inches  
 PPM = parts per million  
 ft = feet

Sample "A" = 0-1 ft collected at 0947 hrs.  
 Sample "B" = 1-3 ft collected at 0950 hrs.  
 Field Duplicate SB-32B collected.  
 Sample "C" = Fill sample collected at 0952 hrs from 0-4 ft core interval, from 3-4 ft interval.  
 Sample "D" = Top of native soil sample collected at 1020 hrs from 8-12 ft core interval, from 8-9.5 ft interval.  
 Sample "E" = Bottom of native soil sample collected at 1022 hrs from 8-12 ft core interval, from 10.5-12 ft interval.

**PROPORTIONS USED (by DRY WEIGHT)**

0 to 10% = TRACE  
 >10 to 20% = LITTLE  
 >20 to 35% = SOME  
 >35 to 50% = AND  
 >50% = MAJOR

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# SOIL BORING LOG

BORING No. P-014, SB-09

PROJECT: PARKER STREET WASTE SITE      LOCATION: NEW BEDFORD, MA      SHEET No. 1 OF 1  
 CLIENT: U.S. EPA REGION I/START III      RIG: GEOPROBE      OPERATOR: START/EPA/ERT  
 DATE STARTED: 5/7/10      DATE FINISHED: 5/7/10      DATE SAMPLES COLLECTED: 5/7/10  
 SOIL BORING METHOD (CIRCLE ONE): DUAL TUBE      MACROCORE      LARGE BORE      LOG COMPLETED BY: SERAS

DEPTH (FEET)	RECOVERY (INCHES)	CLASSIFICATION	PID MEASUREMENTS (PPM)
0		0 - 38" Dark gray, fine-to-coarse SAND, little fine-to-coarse gravel (glass, cinders, and brick) and silt, slightly moist [FILL].	207 (top)
1			
2	45"		7.6 (length)
3		38 - 45" Yellowish-brown, fine-to-coarse SAND, trace fine gravel, slightly moist.	0.0 (bottom)
4		0 - 7" Slough.	
5		7 - 15" Yellowish-brown, fine-to-coarse SAND, slightly moist.	0.0 (top)
6	37"	15 - 37" Yellowish-brown-to-black, fine-to-coarse SAND, little silt, trace fine-to-coarse gravel (ash, cinders, slag, and wood), moist [FILL].	0.0 (length)
7			0.0 (bottom)
8		0 - 7" Black, organic CLAY, (Peat), some silt, trace fine-to-medium sand, moist.	
9		7 - 17" Dark brown, fine SAND, little medium-to-coarse sand, trace fine-to-coarse gravel, moist.	0.0 (top)
10	17"		0.0 (length)
11			0.0 (bottom)
12		- End of Boring -	

**NOTES:**

1. Burmister soil classification system  
 hrs = hours  
 " = inches  
 PPM = parts per million  
 ft = feet

Sample "A" = 0-1 ft collected at 1106 hrs.  
 Sample "B" = 1-3 ft collected at 1108 hrs.  
 Sample "C" = Fill sample collected at 1122 hrs from 4-8 ft core interval, from 6-7.5 ft interval.  
 Sample "D" = Top of native soil sample collected at 1134 hrs from 8-12 ft core interval, from 8-9 ft interval.  
 Sample "E" = Bottom of native soil sample not collected.

**PROPORTIONS USED (by DRY WEIGHT)**

0 to 10% = TRACE  
 >10 to 20% = LITTLE  
 >20 to 35% = SOME  
 >35 to 50% = AND  
 >50% = MAJOR



# SOIL BORING LOG

BORING No. P-014, SB-11

PROJECT: PARKER STREET WASTE SITE      LOCATION: NEW BEDFORD, MA      SHEET No. 1 OF 1  
 CLIENT: U.S. EPA REGION I/START III      RIG: GEOPROBE      OPERATOR: START/EPA/ERT  
 DATE STARTED: 5/7/10      DATE FINISHED: 5/7/10      DATE SAMPLES COLLECTED: 5/7/10  
 SOIL BORING METHOD (CIRCLE ONE): DUAL TUBE      MACROCORE      LARGE BORE      LOG COMPLETED BY: START

DEPTH (FEET)	RECOVERY (INCHES)	C L A S S I F I C A T I O N	PID MEASUREMENTS (PPM)
0		0 - 17" Dark brown-to-black, fine SAND, some fine gravel (ash), trace silt [FILL].	2.3 (top)
1		17 - 21" Brown, SILT, little fine sand, trace fine gravel.	0.0 (length)
2	46"	21 - 23" Dark brown-to-black, organic SILT, (Peat), trace fine gravel and roots. 23 - 29" Light gray-to-brown, fine SAND, little silt, trace fine gravel and roots.	
3		29 - 46" Yellowish-orange-to-light brown, fine SAND, trace silt and fine-to-coarse gravel.	0.0 (bottom)
4			
5		0 - 2" Slough. 2 - 4" Yellowish-orange-to-light brown, fine SAND, trace silt and fine-to-coarse gravel. 4 - 8" Dark gray, fine SAND, trace silt and fine gravel. 8 - 14" Yellowish-orange-to-light brown, fine SAND, trace silt and fine-to-coarse gravel.	7.6 (top)
6	34"	14 - 30" White and black, coarse SAND (coal, ash, and slag), trace fine sand and silt [FILL].	0.0 (length)
7		30 - 32" Yellowish-orange-to-light brown, fine SAND, trace silt and fine-to-coarse gravel. 32 - 34" Black, organic SILT, (Peat), trace fine sand and roots.	0.0 (bottom)
8			
9		0 - 2" Slough. 2 - 11" Black, organic SILT, (Peat), trace fine sand, clay, and roots.	0.3 (top)
10	21"	11 - 19" Light brown-to-black, organic SILT, (Peat), trace fine sand. 19 - 21" Light gray-to-brown, SILT and CLAY, trace fine sand.	0.0 (length)
11			0.0 (bottom)
12		- End of Boring -	

**NOTES:**

1. Burmister soil classification system  
 hrs = hours  
 " = inches  
 PPM = parts per million  
 ft = feet

Sample "A" = 0-1 ft collected at 1115 hrs.  
 Sample "B" = 1-3 ft collected at 1115 hrs.  
 Sample "C" = Fill sample collected at 1130 hrs from 4-8 ft core interval, from 14-30 inch interval.  
 Sample "D" = Top of native soil sample collected at 1130 hrs from 8-12 ft core interval, from 2-21 inch interval.  
 Sample "E" = Bottom of native soil sample not collected.

**PROPORTIONS USED (by DRY WEIGHT)**

0 to 10% = TRACE  
 >10 to 20% = LITTLE  
 >20 to 35% = SOME  
 >35 to 50% = AND  
 >50% = MAJOR



# SOIL BORING LOG

BORING No. P-014, SB-16

PROJECT: PARKER STREET WASTE SITE      LOCATION: NEW BEDFORD, MA      SHEET No. 1 OF 1  
 CLIENT: U.S. EPA REGION I/START III      RIG: GEOPROBE      OPERATOR: START/EPA/ERT  
 DATE STARTED: 5/6/10      DATE FINISHED: 5/6/10      DATE SAMPLES COLLECTED: 5/6/10  
 SOIL BORING METHOD (CIRCLE ONE): DUAL TUBE      MACROCORE      LARGE BORE      LOG COMPLETED BY: SERAS

DEPTH (FEET)	RECOVERY (INCHES)	CLASSIFICATION	PID MEASUREMENTS (PPM)
0		0 - 14" Very dark greenish-gray-to-very dark gray, fine-to-coarse SAND, little fine-to-coarse gravel and silt, trace glass and cinders, slightly moist.	39.4 (top)
1			
2	39"	14 - 39" Yellowish-brown, fine SAND, trace fine-to-coarse gravel (slag and tile) and silt, slightly moist [FILL].	0.0 (length)
3			0.0 (bottom)
4			
5			
6	37"	0 - 37" Dark yellowish-brown-to-black, fine-to-coarse SAND, little fine-to-coarse gravel (ash cinders, slag, and glass) and silt, moist [FILL].	0.0 (top)
7			
8			0.0 (bottom)
9		0 - 3.5" Black, organic SILT, trace fine-to-coarse sand, moist. 3.5 - 11" Yellowish-brown-to-grayish-brown, fine-to-coarse SAND, little silt and fine-to-coarse gravel, moist.	0.0 (top)
10	31"	11 - 31" Yellowish-brown-to-grayish-brown, fine-to-coarse SAND, little silt and fine-to-coarse gravel, wet.	0.0 (length)
11			
12			0.0 (bottom)
- End of Boring -			

**NOTES:**

1. Burmister soil classification system  
 hrs = hours  
 " = inches  
 PPM = parts per million  
 ft = feet

Sample "A" = 0-1 ft collected at 1403 hrs.  
 Sample "B" = 1-3 ft collected at 1405 hrs.  
 Sample "C" = Fill sample collected at 1415 hrs from 4-8 ft core interval, from 6-7.5 ft interval.  
 Sample "D" = Top of native soil sample collected at 1426 hrs from 8-12 ft core interval, from 8-9.5 ft interval.  
 Sample "E" = Bottom of native soil sample collected at 1429 hrs from 8-12 ft core interval, from 10.5-12 ft interval.

**PROPORTIONS USED (by DRY WEIGHT)**

0 to 10% = TRACE  
 >10 to 20% = LITTLE  
 >20 to 35% = SOME  
 >35 to 50% = AND  
 >50% = MAJOR



# SOIL BORING LOG

BORING No. P-015, SB-01

PROJECT: PARKER STREET WASTE SITE      LOCATION: NEW BEDFORD, MA      SHEET No. 1 OF 1  
 CLIENT: U.S. EPA REGION I/START III      RIG: GEOPROBE      OPERATOR: START/EPA/ERT  
 DATE STARTED: 5/3/10      DATE FINISHED: 5/3/10      DATE SAMPLES COLLECTED: 5/3/10  
 SOIL BORING METHOD (CIRCLE ONE): DUAL TUBE      MACROCORE      LARGE BORE      LOG COMPLETED BY: SERAS

DEPTH (FEET)	RECOVERY (INCHES)	CLASSIFICATION	PID MEASUREMENTS (PPM)
0		0 - 7" Dark brown, fine SAND, little silt, trace roots, slightly moist (topsoil).	0.0 (top)
1	35"	7 - 35" Yellowish-brown, fine-to-coarse SAND, some silt, little fine-to-coarse gravel, slightly moist.	0.0 (length)
2			0.0 (bottom)
3			0.0 (bottom)
4	27"	0 - 16" Yellowish-brown, fine-to-coarse SAND (iron stained), some silt, little fine-to-coarse gravel, slightly moist.	0.0 (top)
5		16 - 27" Dark brown, organic CLAY, (Peat), some silt, moist.	0.0 (length)
6			0.0 (bottom)
7	28"	0 - 24" Gray, fine-to-coarse SAND, little silt, trace coarse gravel, wet.	0.0 (top)
8		24 - 28" Light olive-brown, SILT, some fine sand (iron stained), wet.	0.0 (length)
9			0.0 (bottom)
10		- End of Boring -	

**NOTES:**

1. Burmister soil classification system  
 hrs = hours  
 " = inches  
 PPM = parts per million  
 ft = feet

Sample "A" = 0-1 ft collected at 1515 hrs.  
 Sample "B" = 1-3 ft collected at 1520 hrs.  
 Sample "F" = Fill sample collected at 1530 hrs from 4-8 ft core interval, from 4-6 ft interval.  
 Sample "D" = Top of native soil sample collected at 1538 hrs from 8-12 ft core interval, from 9-10 ft interval.  
 Sample "E" = Bottom of native soil sample collected at 1540 hrs from 8-12 ft core interval, from 11-12 ft interval.

**PROPORTIONS USED (by DRY WEIGHT)**

0 to 10% = TRACE  
 >10 to 20% = LITTLE  
 >20 to 35% = SOME  
 >35 to 50% = AND  
 >50% = MAJOR

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# SOIL BORING LOG

BORING No. P-015, SB-03

PROJECT: PARKER STREET WASTE SITE      LOCATION: NEW BEDFORD, MA      SHEET No. 1 OF 1  
 CLIENT: U.S. EPA REGION I/START III      RIG: GEOPROBE      OPERATOR: START/EPA/ERT  
 DATE STARTED: 5/3/10      DATE FINISHED: 5/3/10      DATE SAMPLES COLLECTED: 5/3/10  
 SOIL BORING METHOD (CIRCLE ONE): DUAL TUBE      MACROCORE      LARGE BORE      LOG COMPLETED BY: SERAS

DEPTH (FEET)	RECOVERY (INCHES)	CLASSIFICATION	PID MEASUREMENTS (PPM)
0		0 - 6" Dark brown, fine SAND, some silt, trace roots, slightly moist (topsoil).	0.0 (top)
1		6 - 32" Yellowish-brown, fine-to-coarse SAND, some coarse gravel, trace silt, slightly moist [FILL].	0.0 (length)
2	32"		0.0 (bottom)
3			
4		0 - 11" Yellowish-brown, fine-to-coarse SAND, some coarse gravel, trace silt, slightly moist.	0.0 (top)
5		11 - 22" Yellowish-brown, fine-to-medium SAND, some fine-to-coarse gravel, little silt, trace roots, wet.	0.0 (length)
6	28"		0.0 (bottom)
7		22 - 28" Dark brown, organic SILT, some fine sand, trace fine gravel and roots, moist.	
8			
9		0 - 22" Dark brown, organic SILT, some fine sand, trace fine gravel and roots, moist.	0.0 (top)
10		22 - 24" Dark brown, organic SILT, some fine sand, trace fine gravel, roots, and clay, moist.	0.0 (length)
11	28"	24 - 28" Light brownish-gray-to-yellowish-brown, fine SAND, trace fine gravel and silt, moist.	0.0 (bottom)
12		- End of Boring -	

**NOTES:**

1. Burmister soil classification system  
 hrs = hours  
 " = inches  
 PPM = parts per million  
 ft = feet

Sample "A" = 0-1 ft collected at 1555 hrs.  
 Sample "B" = 1-3 ft collected at 1600 hrs.  
 Sample "F" = Fill sample collected at 1610 hrs from 4-8 ft core interval, from 4-6 ft interval.  
 Sample "D" = Top of native soil sample collected at 1613 hrs from 4-8 ft core interval, from 6.5-8 ft interval.  
 Sample "E" = Bottom of native soil sample collected at 1620 hrs from 8-12 ft core interval, from 10-12 ft interval.

**PROPORTIONS USED (by DRY WEIGHT)**

0 to 10% = TRACE  
 >10 to 20% = LITTLE  
 >20 to 35% = SOME  
 >35 to 50% = AND  
 >50% = MAJOR

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# SOIL BORING LOG

BORING No. P-022, SB-03

PROJECT: PARKER STREET WASTE SITE      LOCATION: NEW BEDFORD, MA      SHEET No. 1 OF 1  
 CLIENT: U.S. EPA REGION I/START III      RIG: GEOPROBE      OPERATOR: START/EPA/ERT  
 DATE STARTED: 5/10/10      DATE FINISHED: 5/10/10      DATE SAMPLES COLLECTED: 5/10/10  
 SOIL BORING METHOD (CIRCLE ONE): DUAL TUBE      MACROCORE      LARGE BORE      LOG COMPLETED BY: START

DEPTH (FEET)	RECOVERY (INCHES)	CLASSIFICATION	PID MEASUREMENTS (PPM)
0		0 - 2" Brown, fine SAND and SILT, trace roots. 2 - 7" Brown, fine SAND, trace silt, roots, and coarse sand. 7 - 13" Brown, fine SAND, trace fine-to-coarse gravel (glass).	1.1 (top)
1		13 - 15" Coarse GRAVEL [FILL]. 15 - 16" White-to-orange-brown, ASH [FILL]. 16 - 19" Dark gray-to-black, fine SAND, trace coarse sand.	0.0 (length)
2	31	19 - 20" White-to-orange-brown, ASH [FILL]. 20 - 21" Brown, fine SAND. 21 - 22" White-to-orange-brown, ASH [FILL]. 22 - 24" Brown, SILT, trace fine sand. 24 - 31" White-to-orange-brown and black, ASH, little gravel (brick and slag) [FILL].	0.5 (bottom)
4		0 - 5" White-to-black, ASH [FILL]. 5 - 9" Dark brown-to-black, fine SAND, trace coarse sand. 9 - 10" Light brown-to-brown, medium-to-coarse SAND. 10 - 16" Gray-to-brown, SILT and CLAY. 16 - 18" Light brown, SILT, trace fine sand and clay. 18 - 20" Brown-to-dark brown, CLAY. 20 - 26" Dark brown-to-black, SILT and CLAY, trace roots.	1.8 (top)
5	26"		0.0 (length)
7			0.0 (bottom)
8		0 - 5" Gray, medium SAND, little fine gravel. 5 - 7" Gray, fine-to-coarse GRAVEL, trace medium-to-coarse sand. 7 - 15" Orange-brown, fine-to-coarse GRAVEL, trace fine-to-medium sand.	0.3 (top)
9		15 - 19" Gray, SILT, little fine gravel, trace clay. 19 - 24" Light brown, fine SAND, little fine-to-coarse gravel, trace coarse sand.	0.0 (length)
10	24"		0.0 (bottom)
11			0.0 (bottom)
12		- End of Boring -	

**NOTES:**

1. Burmister soil classification system  
 hrs = hours  
 " = inches  
 PPM = parts per million  
 ft = feet

Sample "A" = 0-1 ft collected at 1400 hrs.  
 Sample "B" = 1-3 ft collected at 1405 hrs.  
 Sample "C" = Fill sample collected at 1415 hrs from 0-4 ft core interval, from 23-31 inch interval.  
 Sample "D" = Top of native soil sample collected at 1425 hrs from 4-8 ft core interval, from 11-26 inch interval.  
 Sample "E" = Bottom of native soil sample collected at 1430 hrs from 8-12 ft core interval, from 5-24 interval.

**PROPORTIONS USED (by DRY WEIGHT)**

0 to 10% = TRACE  
 >10 to 20% = LITTLE  
 >20 to 35% = SOME  
 >35 to 50% = AND  
 >50% = MAJOR



**Geoprobe Soil Log**

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		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: ~7.5 - 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	Strati-graphic 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	S-2	48"/26"	8" Tan fine to coarse SAND, some fine gravel		OS = bkg HS = bkg	
5			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	S-3	48"/18"	18" Tan fine to coarse SAND, wet		OS = bkg HS = bkg	
9						
10						
11						
12			End of Boring (Refusal at 11 ft.)			
13						

<b>Granular Soils</b> Blows/ft    Density 0-4        v. loose 4-10        loose 10-30       m. dense 30-50       dense >50        v. dense <b>Proportions</b> trace 0-10%    some 20-35% little 10-20%    and    35-50%	<b>Cohesive Soils</b> Blows/ft    Density >2        v. soft 2-4        soft 4-8        m. stiff 8-15       stiff 15-30      v. stiff >30        hard	<b>Grain Size (USCS)</b> 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	<b>Notes/Sample details</b> 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)
--	---	---	--



Client/Project  
City of New Bedford

Project No.  
115058

Boring No. SB-160  
Well No. NA

Sheet  
1 of 1

**Geoprobe Soil Log**

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	Strati-graphic Description	Field Testing		
1	S-1	48"/36"	4" ASPHALT 4" Tan fine to coarse SAND 28" COAL with creosol odor / PAH odors, blackish ash and bricks		OS = bkg HS = bkg		
2							
3							
4							
5	S-2	48"/30"	2" Tan fine to coarse SAND 8" Tan fine to coarse SAND, some fine gravel 4" Orange SILT, some clay 4" Gray SILT, some clay, moist 6" Black to dark brown PEAT so Silt, trace clay 6" Gray fine to medium SAND, some silt, wet		OS = bkg HS = bkg		
6							
7							
8							
9	S-3	48"/36"	36" Gray fine to medium SAND, some silt, traces of oxidation (rusty zones), saturated  End of Boring 12 ft.		OS = bkg HS = bkg		
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
little	10-20% and
	20-35% and
	35-50%

**Cohesive Soils**

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

**Grain Size (USCS)**

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

**Notes/Sample details**

- SB-160-1 @ 1520 for PCBs
- SB-160-3 @ 1525 for PCBs, Metals & PAHs
- SB-160-D @ 1530 (Duplicate of SB-160-3 for PCBs, Metals & PAHs)
- SB-160-6 @ 1540 for PCBs (HOLD: Metals & PAHs)
- SB-160-10 @ 1545 for PCBs (HOLD)



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# BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058 SCREEN TYPE/SLOT NA  
 BORING/WELL NUMBER SB-327 FILTER PACK TYPE NA  
 TRC GEOLOGIST C. Foster SEAL TYPE NA  
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Hayes Rembijas DEPTH TO WATER (Approximate Feet) 7  
 DATE DRILLED 8/11/08 TOTAL DEPTH (Feet) 14  
 LOCATION North side of Parker St. at intersection with Hathaway GROUND ELEVATION (Feet) 87.47  
 SAMPLING METHOD 60" Macrocore REFERENCE ELEVATION (Feet) \_\_\_\_\_  
 DRILLING METHOD 6600 DT Truck Rig  
 NOTES Sampled for PCBs. (Hold SB-327 (11))

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM	
1		60/40"	S-1		0-6" ASPHALT.	0.0			
2					6-10" Tan fine to coarse SAND, trace fine gravel. 10-18" Dark-brown to blackish fine to coarse SAND, trace fine gravel.		SB-327 (2) 0935		
3					18-38" Gray fine to medium SAND, some silt.				
4									
5		60/46"	S-2		38-40" Brown organic PEAT.	0.0			
6					0-26" Brown organic PEAT, some silt and clay, moist to wet.		SB-327 (6) 0945		
7								▽	No monitoring well installed
8					26-46" Gray fine to medium SAND, trace silt, wet.				
9									
10		48/38"	S-3		0-36" Gray fine to medium SAND, some silt, saturated.	0.0			
11							SB-327 (11) 0950		
12									
13									
14					36-38" GRAVEL (in cutting shoe). End of Boring @ 14 feet				



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# BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 - City of New Bedford SCREEN TYPE/SLOT NA  
 BORING/WELL NUMBER TF-E FILTER PACK TYPE NA  
 TRC GEOLOGIST E. Wachtel SEAL TYPE NA  
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Bill Meadows DEPTH TO WATER (Approximate Feet) \_\_\_\_\_  
 DATE DRILLED 9/18/2009 TOTAL DEPTH (Feet) 8  
 LOCATION Former KJHS - 5' East of transformer pad. GROUND ELEVATION (Feet, NAVD 88) 98.21  
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet, NAVD 88) NA  
 DRILLING METHOD Direct Push Powerprobe 6100 USR  
 NOTES Sampled for EPH & VPH. Field testing: open sleeve / headspace

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		48/23"		S-1		0-23" Brown fine to coarse SAND, some gravel.	0.0/0.3		No monitoring well installed	
2							TF-E (0-3/2) 1435			
3										
4		48/11"		S-2		0-3" Brown fine to coarse SAND, some gravel.	0.0/0.0			
5						3-11" Dark brown PEAT, no tar.				
6										
7							TF-E (6-7/7) 1440			
8						End of Boring @ 8 feet				



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# BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 - City of New Bedford SCREEN TYPE/SLOT NA  
 BORING/WELL NUMBER TF-N FILTER PACK TYPE NA  
 TRC GEOLOGIST E. Wachtel SEAL TYPE NA  
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Bill Meadows DEPTH TO WATER (Approximate Feet) \_\_\_\_\_  
 DATE DRILLED 9/18/09 TOTAL DEPTH (Feet) 8  
 LOCATION Former KJHS - 5' North of transformer pad GROUND ELEVATION (Feet, NAVD 88) 97.81  
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet, NAVD 88) NA  
 DRILLING METHOD Direct Push Powerprobe 6100 USR  
 NOTES Sampled for EPH & VPH. Field testing: open sleeve / headspace

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		48/40"		S-1		0-40" Tan fine to medium SAND, some gravel.	2.3/0.0		No monitoring well installed
2								TF-N (0-3/2) 1450	
3									
4		48/31"		S-2		0-20" Gray fine to medium SAND.	0.0/2.5		
5									
6									
7						20-26" Gray fine to medium SAND, saturated.			
8						26-39" Organic PEAT with tar and glass fragments mixed in.		TF-N (6-7/7) 1455	
						30-31" Coarse gray SAND. End of Boring @ 8 feet			



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# BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 - City of New Bedford  
 BORING/WELL NUMBER TF-N2  
 TRC GEOLOGIST C. Foster  
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry  
 DATE DRILLED 11/25/09  
 LOCATION Former KJHS - 10' North of transformer pad  
 SAMPLING METHOD 48" Macrocore  
 DRILLING METHOD Direct Push 6620 DT  
 NOTES Sampled for EPH & VPH

SCREEN TYPE/SLOT NA  
 FILTER PACK TYPE NA  
 SEAL TYPE NA  
 DEPTH TO WATER (Approximate Feet) \_\_\_\_\_  
 TOTAL DEPTH (Feet) 12  
 GROUND ELEVATION (Feet, NAVD 88) \_\_\_\_\_  
 REFERENCE ELEVATION (Feet, NAVD 88) \_\_\_\_\_

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		48/24"		S-1		0-24" New loose brown to tan fine to coarse SAND, some fine gravel.	0.0		No monitoring well installed
2									
3								TF-N2 (2.5-3) 0930	
4		48/38"		S-2		0-14" Tan to gray fine to coarse SAND, trace coarse sand, trace fine gravel.	HS=0.3		
5									
6						14-30" Gray fine SAND, moist.			
7						30-38" Brown to black FILL with tarlike substance (roofing tar, trace wood debris, trace peat, trace glass, mild creosote odor).			
8		48/36"		S-3		0-6" Organic PEAT, saturated.	0.0	TF-N2 (7.5-8) 0940	
9						6-8" Tan to whitish GRAVEL. 8-36" Tan to gray fine to coarse SAND.			
10									
11									
12						End of Boring @ 12 feet			



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# BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 - City of New Bedford SCREEN TYPE/SLOT NA  
 BORING/WELL NUMBER TF-N4 FILTER PACK TYPE NA  
 TRC GEOLOGIST C. Foster SEAL TYPE NA  
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry DEPTH TO WATER (Approximate Feet) \_\_\_\_\_  
 DATE DRILLED 11/25/09 TOTAL DEPTH (Feet) 12  
 LOCATION Former KJHS - 20' North of transformer pad. GROUND ELEVATION (Feet, NAVD 88) \_\_\_\_\_  
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet, NAVD 88) \_\_\_\_\_  
 DRILLING METHOD Direct Push 6620 DT  
 NOTES Sampled for EPH & VPH

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		48/30"		S-1		0-30" Brown to tan fine to coarse SAND, some fine to medium gravel, some silt.	0.0		No monitoring well installed
2									
3								TF-N4 (3) 1000	
4		48/28"		S-2		0-12" Brown SILT, some fine to coarse sand, moist.	HS=0.6		
5									
6						12-24" Gray to tan fine to medium SAND, some silt, moist.			
7									
8						24-28" Organic PEAT, trace asphalt, loose and granular.			
8		48/32"		S-3		0-4" Organic PEAT, trace asphalt, wet.	0.0	TF-N4 (8) 1010	
9						4-32" Gray then tan fine to medium SAND, trace silt, moist to wet.			
10									
11									
12						End of Boring @ 12 feet			



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# BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 - City of New Bedford SCREEN TYPE/SLOT NA  
 BORING/WELL NUMBER TF-N6 FILTER PACK TYPE NA  
 TRC GEOLOGIST C. Foster SEAL TYPE NA  
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry DEPTH TO WATER (Approximate Feet) \_\_\_\_\_  
 DATE DRILLED 11/25/09 TOTAL DEPTH (Feet) 12  
 LOCATION Former KJHS - 30' North of transformer pad GROUND ELEVATION (Feet, NAVD 88) \_\_\_\_\_  
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet, NAVD 88) \_\_\_\_\_  
 DRILLING METHOD Direct Push 6620 DT  
 NOTES Sampled for PCBs, metals, VPH & EPH

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		48/40"		S-1		0-10" Brown fine to coarse SAND, trace brick.	0.0		No monitoring well installed
2						10-40" Tan fine to coarse SAND, some fine gravel and silt.			
3									
4		48/38"		S-2		0-8" Tan fine to coarse SAND, some fine gravel and silt.	HS-0.1		
5						8-28" Brown to black fine to coarse SAND and SILT, trace fill (ash, fine glass and tar), wet.			
6									
7						28-34" Organic PEAT.		TF-N6 (7) 1040	
8		48/22"		S-3		34-38" Gray fine SAND, some silt.			
9						0-22" Brown to gray fine to coarse SAND, some fine to medium gravel and white pulverized cobble.	0.0		
10									
11									
12						End of Boring @ 12 feet			



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# BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 - City of New Bedford SCREEN TYPE/SLOT NA  
 BORING/WELL NUMBER TF-S FILTER PACK TYPE NA  
 TRC GEOLOGIST E. Wachtel SEAL TYPE NA  
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Bill Meadows DEPTH TO WATER (Approximate Feet) \_\_\_\_\_  
 DATE DRILLED 9/18/2009 TOTAL DEPTH (Feet) 8  
 LOCATION Former KJHS - 5' South of southeast corner of transformer pad GROUND ELEVATION (Feet, NAVD 88) 98.18  
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet, NAVD 88) NA  
 DRILLING METHOD Direct Push Powerprobe 6100 USR  
 NOTES Sampled for EPH & VPH. Field testing: open sleeve / headspace

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM	
1		48/32"		S-1		0-32" Brown fine SAND, some medium sand and gravel.	0.1/1.8		No monitoring well installed	
2								TF-S (0-3/2) 1330		
3										
4		48/25"		S-2		0-6" Tan fine to medium SAND, some gravel, moist to wet.	0.1/5.6			
5						6-9" Dark-brown to black PEAT with tar-like material and glass.				
6						9-19" Dark-brown organic PEAT-like material	2.2/3.1	TF-S (5-6/6) 1345		
7						19-25" Gray fine to medium SAND.				
8						End of Boring @ 8 feet				



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# BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 - City of New Bedford SCREEN TYPE/SLOT NA  
 BORING/WELL NUMBER TF-S2 FILTER PACK TYPE NA  
 TRC GEOLOGIST E. Wachtel SEAL TYPE NA  
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Bill Meadows DEPTH TO WATER (Approximate Feet) \_\_\_\_\_  
 DATE DRILLED 9/18/2009 TOTAL DEPTH (Feet) 8  
 LOCATION Former KJHS - 5' South of TF-S GROUND ELEVATION (Feet, NAVD 88) 98.18  
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet, NAVD 88) NA  
 DRILLING METHOD Direct Push Powerprobe 6100 USR  
 NOTES Sampled for EPH & VPH. Field testing: open sleeve / headspace

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		48/30"		S-1		0-15" Brown fine to medium SAND, some gravel.	5.8/0.9		No monitoring well installed
2						15-30" Dark-brown fine SAND.		TF-S2 (0-3/2') 1350	
3									
4		48/24"		S-2		0-3" Dark-brown fine SAND.	0.5/1.5		
5						3-17" Dark-brown PEAT with a very thin layer of tar at 6-feet.			
6								TF-S2 (6-7/6') 1355	
7						17-24" Gray fine SAND.			
8						End of Boring @ 8 feet			



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# BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 115058 - City of New Bedford SCREEN TYPE/SLOT NA  
 BORING/WELL NUMBER TF-S3 FILTER PACK TYPE NA  
 TRC GEOLOGIST E. Wachtel SEAL TYPE NA  
 DRILLING CONTRACTOR/FOREMAN New England Geotech/Bill Meadows DEPTH TO WATER (Approximate Feet) \_\_\_\_\_  
 DATE DRILLED 9/18/2009 TOTAL DEPTH (Feet) 8  
 LOCATION Former KJHS - 5' South of TF-S2 GROUND ELEVATION (Feet, NAVD 88) 98.36  
 SAMPLING METHOD 48" Macrocore REFERENCE ELEVATION (Feet, NAVD 88) NA  
 DRILLING METHOD Direct Push Powerprobe 6100 USR  
 NOTES Sampled for EPH & VPH. Field testing: open sleeve / headspace

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/TIME	WELL DIAGRAM
1		48/28"		S-1		0-20" Tan fine to medium SAND, some gravel.	0.0/0.0		No monitoring well installed
2									
3						20-22" Crushed white ROCK. 22-28" Dark-brown PEAT and WOOD fragments.			
4		48/25"		S-2		0-15" Dark-brown PEAT and WOOD fragments.	0.0/0.0		
5									
6									
7						15-25" Gray fine to medium SAND.	TF-S-3 (6-7/6) 1430		
8						End of Boring @ 8 feet			

**APPENDIX D**  
**EPA Site Investigation Summary Reports**

**REMOVAL PROGRAM  
SITE INVESTIGATION SUMMARY REPORT  
FOR THE  
PARKER STREET WASTE SITE PROPERTIES  
NEW BEDFORD, BRISTOL COUNTY, MASSACHUSETTS  
26 APRIL 2010 THROUGH 8 JUNE 2010**

**(P-014)  
DC NO. R-6265**

Prepared for:

U.S. Environmental Protection Agency  
Region I  
Emergency Planning and Response Branch  
5 Post Office Square, Suite 100  
Boston, MA 02109-3912

Submitted by:

Weston Solutions, Inc.  
Region I  
Superfund Technical Assessment and Response Team III (START)  
3 Riverside Drive  
Andover, MA 01810

August 2010

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2.0 SITE DESCRIPTION .....	1
3.0 NARRATIVE CHRONOLOGY.....	1
4.0 ANALYTICAL RESULTS.....	2

## LIST OF ATTACHMENTS

### **Attachment A**

#### **Figures**

- Figure 1 - Site Location Map
- Figure 2 - Soil Boring Location Map
- Figure 3 - Soil Sample Designations

### **Attachment B**

#### **Tables**

- Table 1 - Data Summary Table, Polycyclic Aromatic Hydrocarbon (PAH) Organic Soil Analyses
- Table 2 - Data Summary Table, Polychlorinated Biphenyls (PCB) Soil Analysis
- Table 3 - Data Summary Table, Metals in Soil and Metals in Soil/Water Analysis
- Table 4 - Data Summary Table, Volatile Organic Compound (VOC) Soil Analysis
- Table 5 - Data Summary Table, Total Cyanide Soil Analysis

## **1.0 INTRODUCTION**

Weston Solutions, Inc. (WESTON) was tasked to provide technical support to U.S. Environmental Protection Agency (EPA) Region I with a Site Investigation (SI) at the Parker Street Waste Site (the site), located in New Bedford, Bristol County, Massachusetts (see Attachment A, Figure 1). The SI included conducting soil sampling activities at several residential, commercial, and private properties located along the periphery of the site. The sampling was conducted to assist the Massachusetts Department of Environmental Protection (MassDEP) and the City of New Bedford with defining the nature and extent of the site (*i.e.* extent of the landfill); determining whether there is an immediate risk to public health, safety, or the environment related to contamination from the site; determining whether site conditions warrant further action pursuant to applicable state and federal regulations; and identifying any additional data gaps.

## **2.0 SITE DESCRIPTION**

The Parker Street Waste Site (the site) is an approximately 105-acre site located in New Bedford, Bristol County, Massachusetts. In 2000, during an environmental due diligence investigation of the former McCoy Field as a possible location for the new Keith Middle School (KMS), polychlorinated biphenyl (PCB) levels above regulatory reporting limits were detected in soil. After reviewing data and information collected during subsequent investigations conducted by the City of New Bedford, and in an effort to assist MassDEP and the City of New Bedford in expediting the assessment of the Parker Street Waste Site, EPA and MassDEP, in consultation with the City of New Bedford and community leaders, identified 11 specific areas where further investigation was warranted to define the boundary of the site.

The property is an approximately 0.67-acre parcel which encompasses the . The property is bordered by Parker Street to the north, a residential property to the east, Hathaway Boulevard to the west, and the new Andre McCoy field to the south. The property features include the building, a gravel parking area, paved walkways, . The property is surrounded by a chain-link fence (see Attachment A, Figure 2).

## **3.0 NARRATIVE CHRONOLOGY**

On May 6 and 7, 2010, EPA and its contractors accessed the property (the property) to advance soil borings and subsequently collect soil samples from the borings. Sampling design and soil sampling activities conducted as part of the Parker Street Waste SI were conducted in accordance with the site-specific Sampling and Analysis Plan (SAP), which was approved by EPA and MassDEP, in consultation with various community leaders. The SAP was prepared as a separate document, entitled *Sampling and Analysis Plan for the Parker Street Waste Site, New Bedford, Bristol County, Massachusetts*, dated April 2010. Site activities were also conducted in accordance with health and safety requirements outlined in the site-specific Health and Safety Plan (HASP), entitled *Health and Safety Plan for the Parker Street Waste Site, New Bedford, Bristol County, Massachusetts*, dated April 2010.

A grid system consisting of approximately 50-foot (ft) by 50-ft grid cells was established on the property, resulting in 20 soil boring locations (P-014-SB-01 through P-014-SB-04; and P-014-SB-06 through P-014-SB-21) at intersecting grid nodes. Subsequently, a total of 100 samples were collected and submitted for PCBs, polycyclic aromatic hydrocarbons (PAH), and metals analyses. This total sample number includes quality control (QC) samples [field duplicate, matrix spike/matrix spike duplicate (MS/MSD), rinsate blank, and performance evaluation samples]. Three additional samples were collected and submitted for volatile organic compound (VOC) analysis, and one additional sample was collected and submitted for cyanide analysis. All sample locations are prefaced with the property code designation “P-014”. The samples designated as SB-30 (or higher) indicate field duplicate samples.

A Trimble Pathfinder Global Positioning System (GPS) unit was used to record the geographic coordinates of soil boring locations. Boring locations are depicted in Figure 2.

Soil samples designated with an “A” were collected from the 0- to 1-foot below ground surface (bgs) interval; with a “B” from the 1- to 3-foot bgs interval; with a “C” from anthropogenic fill (*i.e.*, ash, slag) found below the 3 foot interval; and with a “D” from the top of native soil encountered below the fill material. In situations where anthropogenic fill was not encountered, but natural fill was encountered, a sample was collected from natural fill material and designated as “F”. Samples were also collected from the bottom interval of the native soil, designated as “E”, and stored pending analytical results from the “D” sample. See Attachment A, Figure 3 for soil sample designations.

The soil samples, along with the appropriate number of QC samples, were sent to a Delivery of Analytical Services (DAS) laboratory for PCB and PAH analyses and to a Contract Laboratory Program (CLP) laboratory for metals analyses. Analytical results are included in Attachment B, Tables 1, 2, and 3 and are discussed in Section 4.0 below. Three additional soil samples were collected for VOC analysis from the following boring locations (depth interval of sample in parentheses): P-014-SB-09 (0-4 feet), P-014-SB-02 (4-8 feet), and P-014-SB-015 (0-4 feet). These samples were collected based on soil characteristics observed during classification of the soil borings, including the presence of an odor and the detection of elevated VOC readings using a photoionization detector (PID) air monitoring instrument. In addition, one bluish-colored soil sample was collected at P-014-SB-02 (4-8 feet) for total cyanide analysis. These four samples were submitted to EPA Office of Environmental Measurement and Evaluation (OEME) for analysis. Analytical results for samples submitted for VOC and cyanide analysis are included in Attachment B, Tables 4 and 5, and are discussed in Section 4.0 below.

#### **4.0 ANALYTICAL RESULTS**

##### **Polycyclic Aromatic Hydrocarbons (PAHs)**

Seventeen PAHs were detected in the soil samples collected from the property. Five of these PAHs [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene] exceeded the applicable Massachusetts Contingency Plan (MCP) Method 1 S-1 standards. Category S-1 soils are associated with the highest potential for human exposure and the standards are based on a residential exposure scenario in which the potential receptor may come into contact with the contaminated soil. The S-1 soil standards consider incidental ingestion of the

soil, dermal contact with the soil, and ingestion of produce grown in the soil. See Appendix B, Data Summary Table 1. The PAH compounds are listed on the left, and the MCP Method 1 S-1 standards are listed in bold type in the next column. Sample numbers and sample locations are listed in the column headers. Concentrations of PAHs exceeding the MCP standards are shown in bold type and are shaded. QC samples results are not shown in Table 1.

### **Polychlorinated Biphenyls (PCBs)**

Two PCB Aroclors were detected in the soil samples collected from the property. No individual or total PCB Aroclors exceeded the MCP Method 1 S-1 standard. See Appendix B, Data Summary Table 2. PCBs are listed on the left, and the MCP Method 1 S-1 standards are listed in bold type in the next column. Sample numbers and sample locations are listed in the column headers. QC samples results are not shown in Table 2.

### **Metals**

Five metals (arsenic, barium, cadmium, chromium, and lead) were detected in the soil samples collected from the property at concentrations that exceed MCP Method 1 S-1 standards. See Appendix B, Summary Table 3. Metals are listed on the left, and the MCP Method 1 S-1 standards are listed in the third column from the left. Sample numbers and sample locations are listed in the column headers. Concentrations of metals exceeding the MCP standards are bolded and shaded. QC samples results for performance evaluation (PE) samples and rinsate blank (RB) samples are shown in Table 3.

### **Volatile Organic Compounds (VOCs)**

Seven VOCs were detected from the three additional soil samples collected from the property and submitted for VOC analysis. No VOCs exceeded MCP Method 1 S-1 standards. See Appendix B, Summary Table 4. VOCs are listed on the left, and the MCP Method 1 S-1 standards are listed in bold type in the next column. Sample numbers and sample locations are listed in the column headers. QC samples results are not shown in Table 4.

### **Total Cyanide**

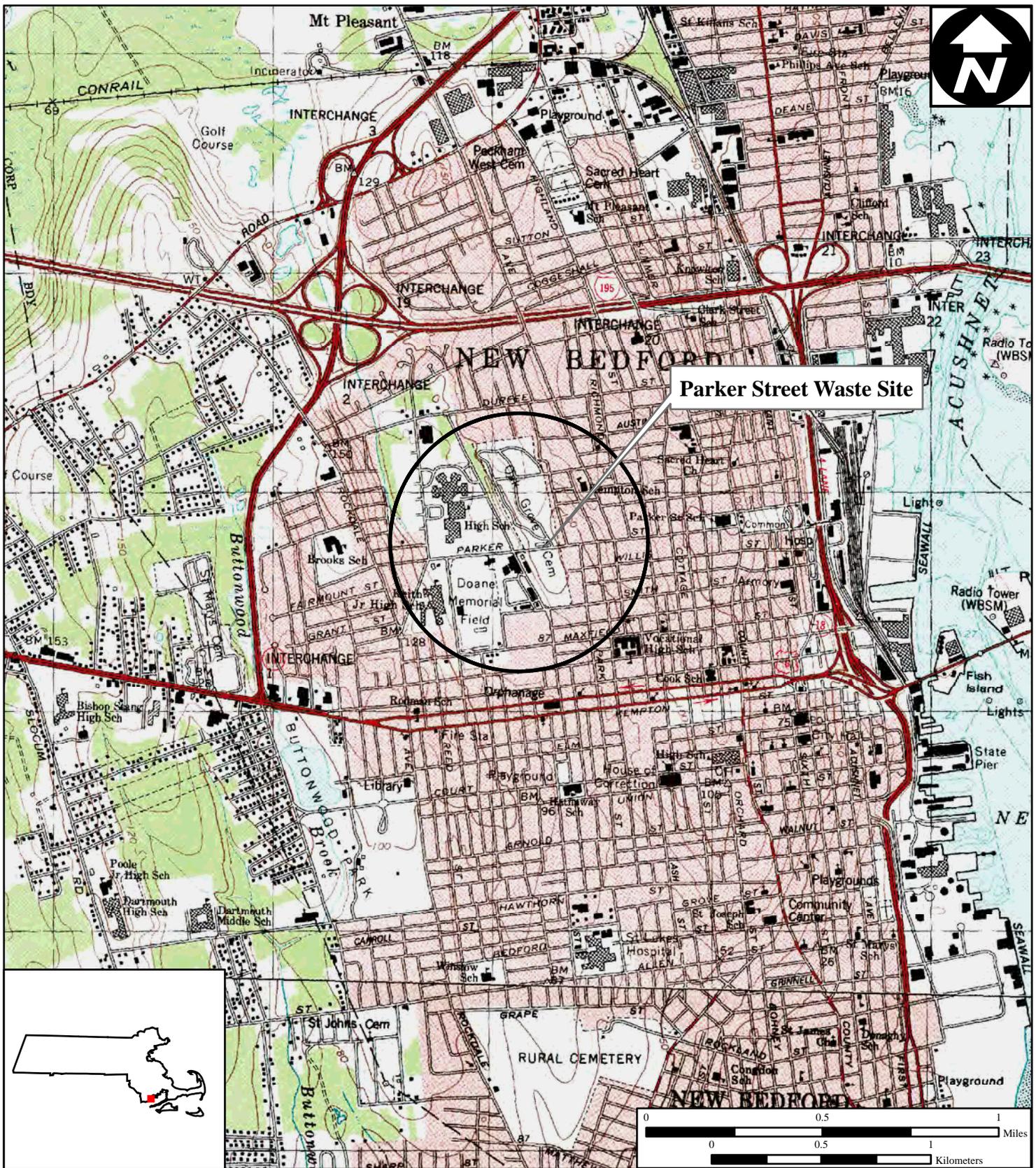
Cyanide was detected in the one soil sample collected from the property and submitted for total cyanide analysis, at a concentration that exceeds the MCP Method 1 S-1 standard. See Appendix B, Summary Table 5. The MCP Method 1 S-1 standard is listed in bold type in the second column, and the sample number and sample location is listed in the column header. The concentration of cyanide that exceeds the MCP standard is shown in bold type and is shaded. QC samples results are not shown in Table 5.

**Attachment A**  
**(Figures)**

Figure 1 - Site Location Map

Figure 2 - Soil Boring Location Map

Figure 3 - Soil Sample Designations



**Figure 1**

**Site Location Map**

**Parker Street Waste Site  
New Bedford, Massachusetts**

**EPA Region I  
Superfund Technical Assessment and  
Response Team (START) III  
Contract No. EP-W-05-042**

**TDD Number:** 09-10-0001  
**Created by:** T. Benton  
**Created on:** 8 June 2010  
**Modified by:** T. Benton  
**Modified on:** 8 June 2010

**Data Sources:**  
Topos: MicroPath/USGS  
Quadrangle Name(s): L41070E8  
All other data: START



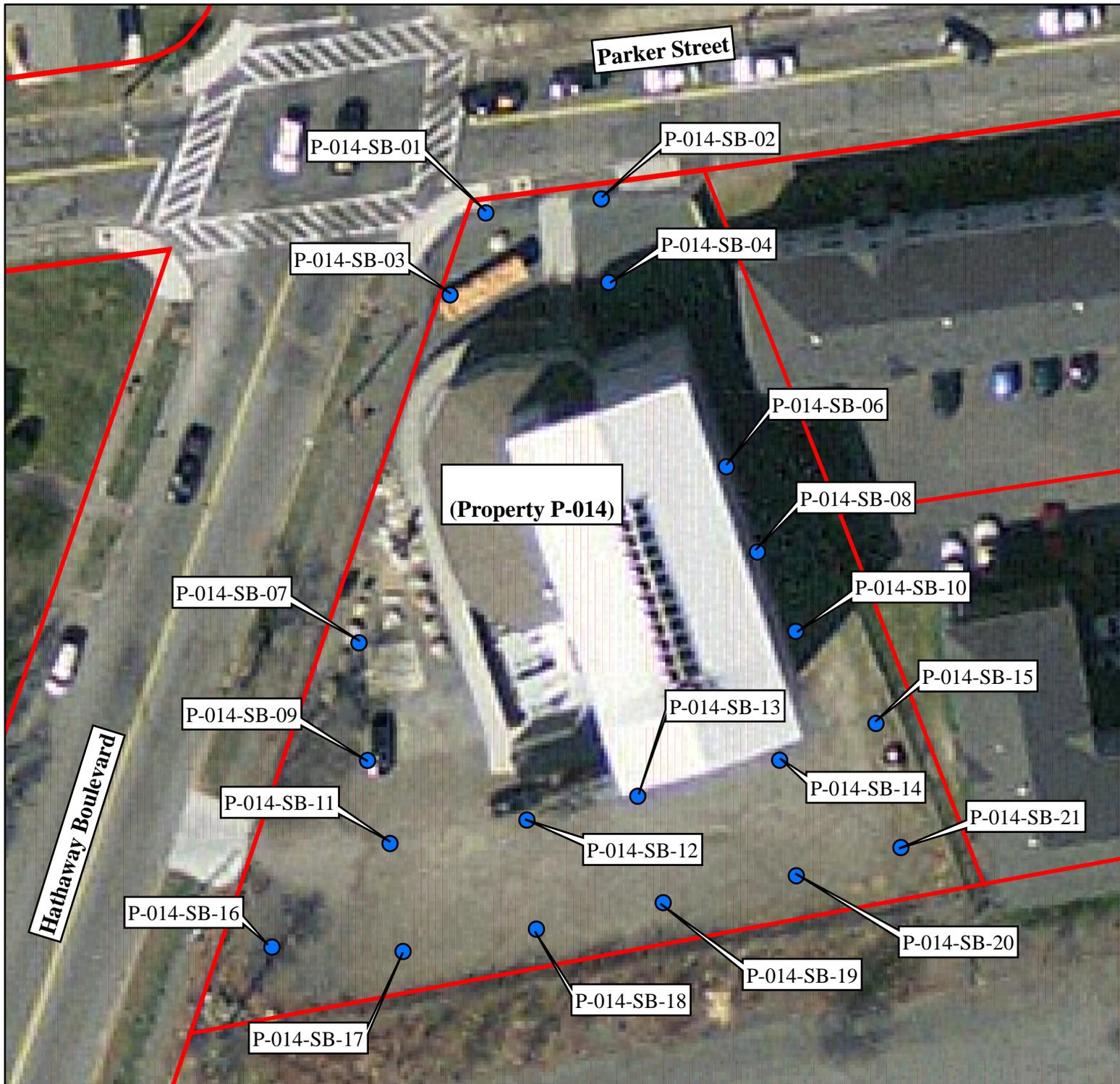


Figure 2

**(P-014)**  
**Soil Boring Location Map**

**Parker Street Waste Site**  
**New Bedford, Massachusetts**

**EPA Region I**  
**Superfund Technical Assessment and**  
**Response Team (START) III**  
**Contract No. EP-W-05-042**

**TDD Number:** 09-10-0001

**Created by:** T. Benton

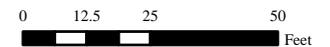
**Created on:** 8 June 2010

**Modified by:** T. Benton

**Modified on:** 8 June 2010

**LEGEND**

-  Soil Boring Location
-  Parcel Boundary

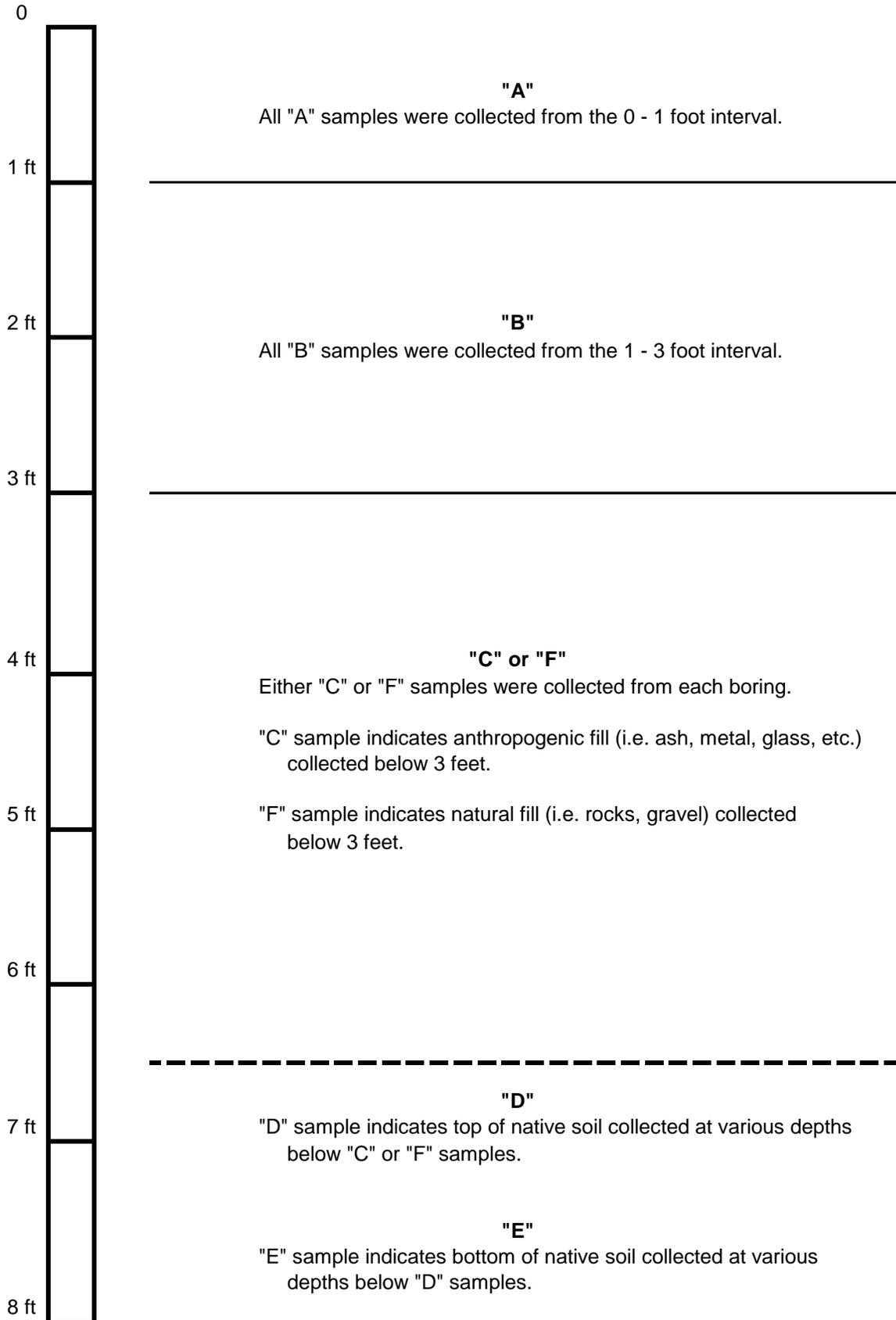


**Data Sources:**

Imagery: MassGIS (2008 Aerial - 24628210)  
 All other data: START

**FIGURE 3**

**SOIL SAMPLE DESIGNATIONS**



**Attachment B**  
**(Tables)**

Table 1 - Data Summary Table, Polycyclic Aromatic Hydrocarbon (PAH) Organic Soil Analyses

Table 2 - Data Summary Table, Polychlorinated Biphenyls (PCB) Soil Analysis

Table 3 - Data Summary Table, Metals in Soil and Metals in Soil/Water Analysis

Table 4 - Data Summary Table, Volatile Organic Compound (VOC) Soil Analysis

Table 5 - Data Summary Table, Total Cyanide Soil Analysis

SITE: PARKER ST. WASTE SITE  
CASE: 0808F SDG: D25913  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

		D25913	D25914	D25915	D25916	D25918	D25919	D25920	
SAMPLE NUMBER:		P-014-SB-01A	P-014-SB-01B	P-014-SB-01C	P-014-SB-01D	P-014-SB-02A	P-014-SB-02B	P-014-SB-02C	
SAMPLE LOCATION:		66596-1	66596-2	66596-3	66596-4	66596-5	66596-6	66596-7	
LABORATORY NUMBER:									
COMPOUND	S-1	RL							
Acenaphthene	<b>1,000</b>	0.267	0.280 U	0.280 U	0.320 U	0.350 U	0.285 J	0.575	1.91
Fluoranthene	<b>1,000</b>	0.267	5.36	3.24	0.224 J	0.350 U	7.59	*19.6	*77.2
Naphthalene	<b>40</b>	0.267	0.424	0.280 U	0.320 U	0.350 U	2.02	1.40	7.34
Benzo(a)anthracene	<b>7</b>	0.267	1.68	1.77	0.320 U	0.350 U	3.09	<b>*9.70</b>	<b>*40.4</b>
Benzo(a)pyrene	<b>2</b>	0.267	<b>2.29</b>	1.95	0.162 J	0.350 U	<b>4.28</b>	<b>*9.94</b>	<b>*33.3</b>
Benzo(b)fluoranthene	<b>7</b>	0.267	2.57	2.86	0.181 J	0.350 U	<b>*8.58</b>	<b>*12.7</b>	<b>*44.2</b>
Benzo(k)fluoranthene	<b>70</b>	0.267	0.801	0.901	0.320 U	0.350 U	3.52	6.44	*15.1 J
Chrysene	<b>70</b>	0.267	1.91	1.81	0.320 U	0.350 U	4.47	*9.39	*35.9
Acenaphthylene	<b>600</b>	0.267	0.912	0.658	0.320 U	0.350 U	4.94	3.46	8.07
Anthracene	<b>1,000</b>	0.267	0.709	0.529	0.320 U	0.350 U	0.826	2.97	*15.0 J
Benzo(g,h,i)perylene	<b>1,000</b>	0.267	2.5	2.07	0.213 J	0.350 U	4.24	5.19	*22.4
Fluorene	<b>1,000</b>	0.267	0.244 J	0.277 J	0.320 U	0.350 U	0.400	1.43	5.07
Phenanthrene	<b>500</b>	0.267	4.32	1.96	0.320 U	0.350 U	4.51	*13.0	*50.7
Dibenzo(a,h)anthracene	<b>0.7</b>	0.267	0.331	0.426	0.320 U	0.350 U	<b>0.916</b>	<b>1.44</b>	<b>4.28</b>
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.267	2.14	1.71	0.320 U	0.350 U	4.78	6.26	<b>*25.2</b>
Pyrene	<b>1,000</b>	0.267	6.78	3.38	0.300 J	0.350 U	*8.68	*17.6	*65.1
2-Methylnaphthalene	<b>80</b>	0.267	0.280 U	0.280 U	0.320 U	0.350 U	1.08	0.708	2.59
DILUTION FACTOR:		1.1	1	1.2	1.3	1.2*2.3	1.1*6	1.2*61	
DATE SAMPLED:		5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	
DATE EXTRACTED:		5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	
DATE ANALYZED:		5/25/2010	5/26/2010	5/24/2010	5/24/2010	5/26/2010	5/26/2010	5/26/2010	
SAMPLE WEIGHT (GRAMS):		15.83	15.57	15.06	15.16	15.22	15.32	15.62	
% MOISTURE:		11	8	17	24	14	14	22	

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

RL = REPORTING LIMIT

U = VALUE IS NOT DETECTED.

UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.

J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER ST. WASTE SITE  
CASE: 0808F SDG: D25913  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	SAMPLE NUMBER:	D25921	D25923	D25924	D25925	D25926	D25928	D25929	
	SAMPLE LOCATION:	P-014-SB-02D	P-014-SB-03A	P-014-SB-03B	P-014-SB-03C	P-014-SB-03D	P-014-SB-04A	P-014-SB-04B	
	LABORATORY NUMBER:	66596-8	66596-9	66596-10	66596-11	66596-12	66596-13	66596-14	
COMPOUND	S-1	RL							
Acenaphthene	1,000	0.267	0.890 U	0.320 U	0.320 U	0.521	0.340 U	0.218 J	0.375
Fluoranthene	1,000	0.267	0.890 U	4.73	7.84 J	*48.3	0.340 U	*18.3	*7.33
Naphthalene	40	0.267	0.890 U	0.578	2.07	1.17	0.340 U	4.12	2.59
Benzo(a)anthracene	7	0.267	0.890 U	1.49	2.39 J	*20.2	0.340 U	5.44	3.09
Benzo(a)pyrene	2	0.267	0.890 U	1.89	3.48 J	*17.5	0.340 U	*7.09	1.32
Benzo(b)fluoranthene	7	0.267	0.890 U	2.14	3.93 J	*22.2	0.340 U	*8.59	5.86
Benzo(k)fluoranthene	70	0.267	0.890 U	0.726	1.18	6.30	0.340 U	2.74	1.75
Chrysene	70	0.267	0.890 U	1.71	2.76 J	*19.7	0.340 U	7.18	5.16
Acenaphthylene	600	0.267	0.890 U	0.615	1.69	*6.58	0.340 U	4.68	3.02
Anthracene	1,000	0.267	0.890 U	0.724	0.977	7.03	0.340 U	2.34	0.712
Benzo(g,h,i)perylene	1,000	0.267	0.890 U	1.94	3.51 J	*14.7	0.340 U	*9.04	3.04
Fluorene	1,000	0.267	0.890 U	0.317 J	0.408	4.16	0.340 U	0.977	1.33
Phenanthrene	500	0.267	0.890 U	4.06	6.61 J	*28.2	0.340 U	*15.2	*14.9
Dibenzo(a,h)anthracene	0.7	0.267	0.890 U	0.303 J	0.490	2.68	0.340 U	1.12	0.638
Indeno(1,2,3-cd)pyrene	7	0.267	0.890 U	1.61	3.12 J	*15.2	0.340 U	*7.65	3.09
Pyrene	1,000	0.267	0.890 U	5.27	*8.52 J	*44.3	0.340 U	*24.5	*9.20
2-Methylnaphthalene	80	0.267	0.890 U	0.320 U	0.320 U	1.18	0.340 U	0.822	2.71
DILUTION FACTOR:		3.3	1.2	1.2*2.4	1.1*23	1.3	1.1*11	1.1*5	
DATE SAMPLED:		5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	
DATE EXTRACTED:		5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	
DATE ANALYZED:		5/24/2010	5/25/2010	5/25/2010	5/26/2010	5/24/2010	5/26/2010	5/26/2010	
SAMPLE WEIGHT (GRAMS):		15.24	15.35	15.43	15.21	15.55	15.50	15.78	
% MOISTURE:		70	17	19	17	24	14	13	

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\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER ST. WASTE SITE  
CASE: 0808F SDG: D25913  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	SAMPLE NUMBER:	D25930	D25931	D25933	D25934	D25935	D25936	
	SAMPLE LOCATION:	P-014-SB-04C	P-014-SB-04D	P-014-SB-06A	P-014-SB-06B	P-014-SB-06C	P-014-SB-06D	
	LABORATORY NUMBER:	66596-15	66596-16	66596-17	66596-18	66596-19	66596-20	
COMPOUND	S-1	RL						
Acenaphthene	<b>1,000</b>	0.267	0.320 U	0.300 U	1.47	0.330 U	0.200 J	0.280 U
Fluoranthene	<b>1,000</b>	0.267	6.14	0.325	*28.4	3.42	4.55	0.280 U
Naphthalene	<b>40</b>	0.267	2.12	0.300 U	1.21	0.330 U	0.340 U	0.280 U
Benzo(a)anthracene	<b>7</b>	0.267	2.24	0.185 J	<b>*13.1</b>	1.40	2.22	0.280 U
Benzo(a)pyrene	<b>2</b>	0.267	<b>2.54</b>	0.165 J	<b>*9.92</b>	1.50	1.92	0.280 U
Benzo(b)fluoranthene	<b>7</b>	0.267	3.72	0.219 J	<b>*12.5</b>	1.81	2.27	0.280 U
Benzo(k)fluoranthene	<b>70</b>	0.267	1.16	0.300 U	4.65	0.618	0.789	0.280 U
Chrysene	<b>70</b>	0.267	2.93	0.180 J	*13.7	1.59	2.20	0.280 U
Acenaphthylene	<b>600</b>	0.267	1.45	0.300 U	2.19	0.208 J	0.220 J	0.280 U
Anthracene	<b>1,000</b>	0.267	0.658	0.300 U	4.86	0.515	0.788	0.280 U
Benzo(g,h,i)perylene	<b>1,000</b>	0.267	4.16	0.154 J	4.82	1.34	1.60	0.280 U
Fluorene	<b>1,000</b>	0.267	0.449	0.300 U	2.19	0.245 J	0.407	0.280 U
Phenanthrene	<b>500</b>	0.267	5.69	0.300 U	*25.6	2.24	4.16	0.280 U
Dibenzo(a,h)anthracene	<b>0.7</b>	0.267	0.561	0.300 U	<b>1.40</b>	0.254 J	0.354	0.280 U
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.267	3.59	0.300 U	5.74	1.17	1.47	0.280 U
Pyrene	<b>1,000</b>	0.267	7.68	0.331	*31.0	3.32	5.04	0.280 U
2-Methylnaphthalene	<b>80</b>	0.267	0.704	0.300 U	0.639	0.330 U	0.340 U	0.280 U
DILUTION FACTOR:		1.2	1.1	1.2/*12	1.2	1.3	1	
DATE SAMPLED:		5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	
DATE EXTRACTED:		5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	
DATE ANALYZED:		5/26/2010	5/24/2010	5/26/2010	5/25/2010	5/26/2010	5/24/2010	
SAMPLE WEIGHT (GRAMS):		15.32	15.43	15.63	15.59	15.29	15.81	
% MOISTURE:		18	14	18	22	24	9	

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

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MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25938  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

		D25938	D25939	D25940	D25941	D25943	D25944	D25945	
		P-014-SB-07A	P-014-SB-07B	P-014-SB-07C	P-014-SB-07D	P-014-SB-08A	P-014-SB-08B	P-014-SB-08C	
		66598-1	66598-2	66598-3	66598-4	66598-5	66598-6	66598-7	
SAMPLE NUMBER:									
SAMPLE LOCATION:									
LABORATORY NUMBER:									
COMPOUND	S-1	RL							
Naphthalene	40	0.27	0.29 U	0.29 U	0.90	0.34 U	0.31 J	0.16 J	0.80
Acenaphthylene	600	0.27	0.56	0.16 J	2.4	0.34 U	0.78	0.35	0.37
Acenaphthene	1,000	0.27	0.20 J	0.29 U	0.32 U	0.34 U	0.22 J	0.23 J	0.86
Fluorene	1,000	0.27	0.25 J	0.29 U	0.40	0.34 U	0.36	0.31 J	1.1
Phenanthrene	500	0.27	2.8	0.66	2.7	0.34 U	6.0	3.4	7.6
Anthracene	1,000	0.27	0.87	0.21 J	1.2	0.34 U	1.2	0.83	1.9
Fluoranthene	1,000	0.27	4.8	1.2	*13	0.34 U	7.9	4.9	7.7
Pyrene	1,000	0.27	4.6	1.1	*13	0.34 U	*8.7	4.9	6.8
Benzo(a)anthracene	7	0.27	3.0	0.69	<b>*8.7</b>	0.34 U	3.4	2.6	3.6
Chrysene	70	0.27	2.7	0.57	7.5	0.34 U	3.6	2.6	3.3
Benzo(b)fluoranthene	7	0.27	4.0	0.85	<b>*12</b>	0.34 U	5.2	3.2	4.6
Benzo(k)fluoranthene	70	0.27	0.97	0.26 J	2.9	0.34 U	1.0	0.88	1.1
Benzo(a)pyrene	2	0.27	<b>2.6</b>	0.61	<b>8.0</b>	0.34 U	<b>3.7</b>	<b>2.3</b>	<b>3.2</b>
Dibenzo(a,h)anthracene	0.7	0.27	0.22 J	0.29 U	<b>0.84</b>	0.34 U	0.30 J	0.26 J	0.33
Benzo(g,h,i)perylene	1,000	0.27	0.56	0.35	3.1	0.34 U	1.7	0.90	1.2
Indeno(1,2,3-cd)pyrene	7	0.27	0.84	0.41	4.0	0.34 U	2.2	1.1	1.6
2-Methylnaphthalene	80	0.27	0.29 U	0.29 U	0.53	0.34 U	0.32 U	0.32 U	0.35
DILUTION FACTOR:		1.0	1.0	1.0/2.0	1.0	1.0/2.0	1.0	1.0	1.0
DATE SAMPLED:		5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010
DATE EXTRACTED:		5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010
DATE ANALYZED:		6/1/2010	6/1/2010	6/1/2010	6/1/2010	6/1/2010	6/1/2010	6/1/2010	6/1/2010
SAMPLE WEIGHT (GRAMS):		15.28	15.16	15.42	15.40	15.20	15.41	15.73	
% SOLID:		90	93	81	75	83	81	77	

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

RL = REPORTING LIMIT

U = VALUE IS NOT DETECTED.

UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.

J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25938  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

		D24946	D25948	D25949	D25950	D25951	D25953	D25954	
		P-014-SB-08D	P-014-SB-09A	P-014-SB-09B	P-014-SB-09C	P-014-SB-09D	P-014-SB-10A	P-014-SB-10B	
		66598-8	66598-9	66598-10	66598-11	66598-12	66598-13	66598-14	
COMPOUND	S-1	RL							
Naphthalene	<b>40</b>	0.27	0.29 U	0.28 U	0.39	0.42	0.38 U	1.6	0.34
Acenaphthylene	<b>600</b>	0.27	0.29 U	0.38	0.32	0.65	0.38 U	1.7	0.74
Acenaphthene	<b>1,000</b>	0.27	0.29 U	0.14 J	0.39	0.29 J	0.38 U	0.43	0.37
Fluorene	<b>1,000</b>	0.27	0.29 U	0.20 J	0.55	0.42	0.38 U	1.4	0.59
Phenanthrene	<b>500</b>	0.27	0.29 U	1.9	4.3	4.3	0.38 U	*9.5	7.1
Anthracene	<b>1,000</b>	0.27	0.29 U	0.67	1.0	1.3	0.38 U	2.5	1.9
Fluoranthene	<b>1,000</b>	0.27	0.29 U	3.4	4.8	6.0	0.38 U	*11	*11
Pyrene	<b>1,000</b>	0.27	0.29 U	3.5	4.6	5.9	0.38 U	*12	*9.8
Benzo(a)anthracene	<b>7</b>	0.27	0.29 U	2.2	2.4	3.4	0.38 U	6.4	6.0
Chrysene	<b>70</b>	0.27	0.29 U	2.0	2.3	3.3	0.38 U	5.3	4.9
Benzo(b)fluoranthene	<b>7</b>	0.27	0.29 U	3.5	3.8	6.2	0.38 U	*6.8	<b>7.3</b>
Benzo(k)fluoranthene	<b>70</b>	0.27	0.29 U	0.79	1.2	1.6	0.38 U	2.7	1.9
Benzo(a)pyrene	<b>2</b>	0.27	0.29 U	<b>2.0</b>	<b>2.3</b>	<b>3.2</b>	0.38 U	<b>4.9</b>	<b>4.9</b>
Dibenzo(a,h)anthracene	<b>0.7</b>	0.27	0.29 U	0.28 U	0.29 U	0.21 J	0.38 U	0.31	0.48
Benzo(g,h,i)perylene	<b>1,000</b>	0.27	0.29 U	0.34	0.44	0.66	0.38 U	1.0	1.6
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.27	0.29 U	0.51	0.61	0.89	0.38 U	1.4	2.2
2-Methylnaphthalene	<b>80</b>	0.27	0.29 U	0.28 U	0.21 J	0.28 J	0.38 U	2.3	0.31 U
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0	1.0/2.0	1.0/2.0
DATE SAMPLED:		5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010
DATE EXTRACTED:		5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010
DATE ANALYZED:		6/1/2010	6/1/2010	6/1/2010	6/1/2010	6/1/2010	6/1/2010	6/1/2010	6/1/2010
SAMPLE WEIGHT (GRAMS):		15.23	15.51	15.59	15.11	15.08	15.09	15.09	15.29
% SOLID:		90	92	88	84	70	90	85	

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

RL = REPORTING LIMIT

U = VALUE IS NOT DETECTED.

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25938  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

		D25955	D25956	D25957	D25958	D25959	D25960	D26011	
		P-014-SB-10C	P-014-SB-10D	P-014-SB-11A	P-014-SB-11B	P-014-SB-11C	P-014-SB-11D	P-014-SB-30C	
		66598-15	66598-16	66598-17	66598-18	66598-19	66598-20	66598-21	
COMPOUND	S-1	RL							
Naphthalene	40	0.27	0.21 J	0.29 U	0.28 U	0.28 U	0.26 J	0.45 U	*22
Acenaphthylene	600	0.27	0.45	0.29 U	0.34	0.28 U	0.34 U	0.45 U	4.9
Acenaphthene	1,000	0.27	0.23 J	0.29 U	0.31	0.28 U	0.19 J	0.45 U	*16
Fluorene	1,000	0.27	0.48	0.29 U	0.35	0.28 U	0.41	0.45 U	*19
Phenanthrene	500	0.27	4.7	0.29 U	3.1	0.57	2.6	0.45 U	*130
Anthracene	1,000	0.27	0.84	0.29 U	1.4	0.17 J	0.68	0.45 U	*26
Fluoranthene	1,000	0.27	4.7	0.29 U	5.7	0.86	2.4	0.45 U	*120
Pyrene	1,000	0.27	5.2	0.29 U	*6.3	0.90	1.9	0.45 U	*98
Benzo(a)anthracene	7	0.27	2.6	0.29 U	3.7	0.50	1.3	0.45 U	*52
Chrysene	70	0.27	2.7	0.29 U	3.3	0.48	1.3	0.45 U	*46
Benzo(b)fluoranthene	7	0.27	3.1	0.29 U	6.0	0.61	1.4	0.45 U	*63
Benzo(k)fluoranthene	70	0.27	0.88	0.29 U	1.4	0.23 J	0.49	0.45 U	*18
Benzo(a)pyrene	2	0.27	<b>2.2</b>	0.29 U	<b>3.4</b>	0.45	0.95	0.45 U	*43
Dibenzo(a,h)anthracene	0.7	0.27	0.24 J	0.29 U	0.27 J	0.28 U	0.23 J	0.45 U	4.3
Benzo(g,h,i)perylene	1,000	0.27	0.80	0.29 U	0.97	0.16 J	0.65	0.45 U	*14 J
Indeno(1,2,3-cd)pyrene	7	0.27	1.1	0.29 U	1.1	0.21 J	0.75	0.45 U	*19
2-Methylnaphthalene	80	0.27	0.33 U	0.29 U	0.28 U	0.28 U	0.34 U	0.45 U	6.9
DILUTION FACTOR:			1.0	1.0	1.0/2.0	1.0	1.0	1.0	1.0/50
DATE SAMPLED:			5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/6/2010
DATE EXTRACTED:			5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010
DATE ANALYZED:			6/1/2010	6/1/2010	6/1/2010	6/1/2010	6/1/2010	6/1/2010	6/1/2010
SAMPLE WEIGHT (GRAMS):			15.31	15.72	15.20	15.53	15.45	15.33	15.49
% SOLID:			79	89	94	92	77	58	84

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
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J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER ST. WASTE SITE  
CASE: 0808F SDG: D25961  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	SAMPLE NUMBER:	D25961	D25962	D25963	D25964	D25966	D25967	D25968	
	SAMPLE LOCATION:	P-014-SB-12A	P-014-SB-12B	P-014-SB-12C	P-014-SB-12D	P-014-SB-13A	P-014-SB-13B	P-014-SB-13C	
	LABORATORY NUMBER:	66597-1	66597-2	66597-3	66597-4	66597-5	66597-6	66597-7	
COMPOUND	S-1	RL							
Acenaphthene	<b>1,000</b>	0.27	0.16 J	0.29 U	0.30 U	0.33 U	0.28 U	0.65	0.31 U
Fluoranthene	<b>1,000</b>	0.27	5.37	1.84	0.66	0.33 U	3.20	*7.08	1.13
Naphthalene	<b>40</b>	0.27	0.28 U	0.29 U	0.30 U	0.33 U	0.28 U	0.35	0.31 U
Benzo(a)anthracene	<b>7</b>	0.27	2.91	1.15	0.41	0.33 U	1.78	3.01	0.56
Benzo(a)pyrene	<b>2</b>	0.27	<b>3.19</b>	0.96	0.42	0.33 U	1.76	<b>2.66</b>	0.60
Benzo(b)fluoranthene	<b>7</b>	0.27	4.15	1.08	0.58	0.33 U	2.25	3.10	0.80
Benzo(k)fluoranthene	<b>70</b>	0.27	1.14	0.37	0.20 J	0.33 U	0.72	0.98	0.24 J
Chrysene	<b>70</b>	0.27	2.73	1.08	0.43	0.33 U	1.79	2.58	0.62
Acenaphthylene	<b>600</b>	0.27	0.29	0.29 U	0.30 U	0.33 U	0.28 U	0.21 J	0.31 U
Anthracene	<b>1,000</b>	0.27	0.92	0.33	0.30 U	0.33 U	0.39	1.79	0.16 J
Benzo(g,h,i)perylene	<b>1,000</b>	0.27	1.07 J	0.79 J	0.26 J	0.33 UJ	0.63 J	1.87 J	0.71 J
Fluorene	<b>1,000</b>	0.27	0.29	0.16 J	0.30 U	0.33 U	0.28 U	0.92	0.31 U
Phenanthrene	<b>500</b>	0.27	2.50	1.16	0.24 J	0.33 U	0.92	6.66	0.65
Dibenzo(a,h)anthracene	<b>0.7</b>	0.27	0.28	0.17 J	0.30 U	0.33 U	0.18 J	0.41	0.31 U
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.27	1.23	0.68	0.26 J	0.33 U	0.71	1.83	0.60
Pyrene	<b>1,000</b>	0.27	5.69	2.44	0.70	0.33 U	3.57	6.67	1.26
2-Methylnaphthalene	<b>80</b>	0.27	0.28 U	0.29 U	0.30 U	0.33 U	0.28 U	0.31	0.31 U
DILUTION FACTOR:		1.1	1.1	1.1	1.2	1.0	1.1*2.1	1.2	
DATE SAMPLED:		5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	
DATE EXTRACTED:		5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	
DATE ANALYZED:		5/26/2010	5/26/2010	5/26/2010	5/26/2010	5/26/2010	5/26/2010	5/26/2010	
SAMPLE WEIGHT (GRAMS):		15.17	15.31	15.37	15.09	15.15	15.83	15.66	
% MOISTURE:		6	9	13	20	5	11	18	

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

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mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER ST. WASTE SITE  
CASE: 0808F SDG: D25961  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	SAMPLE NUMBER:	D25969	D25971	D25972	D25973	D25974	D25976	D25977	
	SAMPLE LOCATION:	P-014-SB-13D	P-014-SB-14A	P-014-SB-14B	P-014-SB-14C	P-014-SB-14D	P-014-SB-15A	P-014-SB-15B	
	LABORATORY NUMBER:	66597-8	66597-9	66597-10	66597-11	66597-12	66597-13	66597-14	
COMPOUND	S-1	RL							
Acenaphthene	<b>1,000</b>	0.27	0.71 U	0.22 J	0.28 J	0.42	0.36 U	0.22 J	0.29 U
Fluoranthene	<b>1,000</b>	0.27	0.71 U	6.65	*22.0	*10.5	0.36 U	*6.45	5.82 J
Naphthalene	<b>40</b>	0.27	0.71 U	0.27 U	4.32	0.16 J	0.36 U	1.02	0.19 J
Benzo(a)anthracene	<b>7</b>	0.27	0.71 U	2.82	4.98	4.31	0.36 U	2.55	2.40 J
Benzo(a)pyrene	<b>2</b>	0.27	0.71 U	<b>2.49</b>	<b>*8.47</b>	<b>4.04</b>	0.36 U	<b>3.08</b>	<b>2.42 J</b>
Benzo(b)fluoranthene	<b>7</b>	0.27	0.71 U	3.17	<b>*7.96</b>	5.11	0.36 U	4.70	3.01 J
Benzo(k)fluoranthene	<b>70</b>	0.27	0.71 U	0.95	2.40	1.61	0.36 U	1.31	0.89
Chrysene	<b>70</b>	0.27	0.71 U	2.80	6.01	4.15	0.36 U	2.74	2.31 J
Acenaphthylene	<b>600</b>	0.27	0.71 U	0.23 J	4.78	0.24 J	0.36 U	1.36	0.38 J
Anthracene	<b>1,000</b>	0.27	0.71 U	1.24	2.13	1.35	0.36 U	1.25	0.67
Benzo(g,h,i)perylene	<b>1,000</b>	0.27	0.71 UJ	0.89 J	*10.4 J	3.03 J	0.36 UJ	1.32 J	2.49 J
Fluorene	<b>1,000</b>	0.27	0.71 U	0.40	0.97	0.69	0.36 U	0.61	0.27 J
Phenanthrene	<b>500</b>	0.27	0.71 U	5.28	*24.0	*8.50	0.36 U	6.63	3.77 J
Dibenzo(a,h)anthracene	<b>0.7</b>	0.27	<b>0.71 U</b>	0.28	<b>1.13</b>	0.61	0.36 U	0.27 J	0.49
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.27	0.71 U	1.07	<b>*8.13</b>	2.95	0.36 U	1.25	2.21 J
Pyrene	<b>1,000</b>	0.27	0.71 U	6.20	*26.7	*8.87	0.36 U	*6.70	5.70 J
2-Methylnaphthalene	<b>80</b>	0.27	0.71 U	0.27 U	0.31	0.29 U	0.36 U	0.46	0.29 U
DILUTION FACTOR:		2.7	1.0	1.1*6.0	1.1*2.2	1.4	1.1*2.2	1.1	
DATE SAMPLED:		5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	
DATE EXTRACTED:		5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	
DATE ANALYZED:		5/26/2010	5/27/2010	5/26/2010	5/26/2010	5/26/2010	5/27/2010	5/26/2010	
SAMPLE WEIGHT (GRAMS):		15.28	15.56	15.34	15.69	15.47	15.26	15.73	
% MOISTURE:		63	6	11	11	29	11	12	

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

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mg/kg = MILLIGRAMS PER KILOGRAM

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BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

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MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER ST. WASTE SITE  
CASE: 0808F SDG: D25961  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	SAMPLE NUMBER:	D25978	D25979	D25981	D25982	D25983	D25984	
	SAMPLE LOCATION:	P-014-SB-15C	P-014-SB-15D	P-014-SB-16A	P-014-SB-16B	P-014-SB-16C	P-014-SB-16D	
	LABORATORY NUMBER:	66597-15	66597-16	66597-17	66597-18	66597-19	66597-20	
COMPOUND	S-1	RL						
Acenaphthene	<b>1,000</b>	0.27	*11.2	0.41 U	0.56 U	0.28 U	0.34 U	0.29 U
Fluoranthene	<b>1,000</b>	0.27	*114.8	0.41 U	3.84	0.28 U	2.37	0.29 U
Naphthalene	<b>40</b>	0.27	*16.9	0.41 U	0.56 U	0.28 U	0.34 U	0.29 U
Benzo(a)anthracene	<b>7</b>	0.27	<b>*36.3</b>	0.41 U	2.11	0.28 U	1.11	0.29 U
Benzo(a)pyrene	<b>2</b>	0.27	<b>*33.0</b>	0.41 U	<b>2.00</b>	0.28 U	1.00	0.29 U
Benzo(b)fluoranthene	<b>7</b>	0.27	<b>*41.6</b>	0.41 U	3.14	0.28 U	1.27	0.29 U
Benzo(k)fluoranthene	<b>70</b>	0.27	*13.1	0.41 U	0.91	0.28 U	0.47	0.29 U
Chrysene	<b>70</b>	0.27	*33.3	0.41 U	2.25	0.28 U	1.05	0.29 U
Acenaphthylene	<b>600</b>	0.27	4.16	0.41 U	0.30 J	0.28 U	0.34 U	0.29 U
Anthracene	<b>1,000</b>	0.27	*17.9	0.41 U	0.60	0.28 U	0.26 J	0.29 U
Benzo(g,h,i)perylene	<b>1,000</b>	0.27	9.81 J	0.41 UJ	0.75 J	0.28 UJ	0.92 J	0.29 UJ
Fluorene	<b>1,000</b>	0.27	*13.5	0.41 U	0.56 U	0.28 U	0.34 U	0.29 U
Phenanthrene	<b>500</b>	0.27	*130.6	0.41 U	1.27	0.28 U	0.80	0.29 U
Dibenzo(a,h)anthracene	<b>0.7</b>	0.27	<b>3.39</b>	0.41 U	0.56 U	0.28 U	0.18 J	0.29 U
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.27	<b>*22.7</b>	0.41 U	0.88	0.28 U	0.86	0.29 U
Pyrene	<b>1,000</b>	0.27	*78.9	0.41 U	3.98	0.14 J	2.08	0.29 U
2-Methylnaphthalene	<b>80</b>	0.27	7.54	0.41 U	0.56 U	0.28 U	0.34 U	0.29 U
DILUTION FACTOR:			1.2*30	1.5	2.1	1.1	1.3	1.1
DATE SAMPLED:			5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010
DATE EXTRACTED:			5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010
DATE ANALYZED:			5/27/2010	5/26/2010	5/27/2010	5/26/2010	5/26/2010	5/27/2010
SAMPLE WEIGHT (GRAMS):			15.12	15.56	15.10	15.58	15.06	15.21
% MOISTURE:			17	37	5	9	22	9

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

RL = REPORTING LIMIT

U = VALUE IS NOT DETECTED.

UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.

J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25986  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

		D25986	D25987	D25988	D25989	D25991	D25992	D25993	
		P-014-SB-17A	P-014-SB-17B	P-014-SB-17C	P-014-SB-17D	P-014-SB-18A	P-014-SB-18B	P-014-SB-18C	
		66599-1	66599-2	66599-3	66599-4	66599-5	66599-6	66599-7	
SAMPLE NUMBER:									
SAMPLE LOCATION:									
LABORATORY NUMBER:									
COMPOUND	S-1	RL							
Naphthalene	40	0.33	0.28 U	0.28 U	0.33 U	0.50 U	0.29 U	0.30 U	0.32 U
Acenaphthylene	600	0.33	1.9	0.28 U	0.33 U	0.50 U	0.57	0.30 U	0.18 J
Acenaphthene	1,000	0.33	0.28 U	0.28 U	0.33 U	0.50 U	0.29 U	0.30 U	0.32 U
Fluorene	1,000	0.33	0.39	0.28 U	0.33 U	0.50 U	0.27 J	0.30 U	0.32 U
Phenanthrene	500	0.33	2.8	0.28 U	0.87	0.50 U	2.3	1.1	1.1
Anthracene	1,000	0.33	1.6	0.28 U	0.28 J	0.50 U	1.1	0.27 J	0.34
Fluoranthene	1,000	0.33	*8.2	0.28 U	1.2	0.50 U	5.2	1.9	1.9
Pyrene	1,000	0.33	*7.5	0.28 U	1.2	0.50 U	5.9	1.8	1.8
Benzo(a)anthracene	7	0.33	5.8	0.28 U	0.57	0.50 U	3.3	0.92	1.1
Chrysene	70	0.33	4.9	0.28 U	0.62	0.50 U	3.3	0.87	1.1
Benzo(b)fluoranthene	7	0.33	6.1	0.28 U	0.82	0.50 U	4.3	1.2	1.7
Benzo(k)fluoranthene	70	0.33	2.2	0.28 U	0.27 J	0.50 U	1.3	0.40	0.52
Benzo(a)pyrene	2	0.33	<b>4.2</b>	0.28 U	0.65	0.28 J	<b>3.0</b>	0.89	1.2
Dibenzo(a,h)anthracene	0.7	0.33	<b>0.81</b>	0.28 U	0.33 U	0.50 U	0.42	0.16 J	0.24 J
Benzo(g,h,i)perylene	1,000	0.33	2.6	0.28 U	0.55	0.50 U	1.5	0.78	0.99
Indeno(1,2,3-cd)pyrene	7	0.33	3.1	0.28 U	0.54	0.50 U	1.7	0.76	1.0
2-Methylnaphthalene	80	0.33	0.28 U	0.28 U	0.33 U	0.50 U	0.29 U	0.30 U	0.32 U
DILUTION FACTOR:		1.0/2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:		5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010
DATE EXTRACTED:		5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010
DATE ANALYZED:		6/2/2010	6/2/2010	6/2/2010	6/2/2010	6/2/2010	6/2/2010	6/2/2010	6/2/2010
SAMPLE WEIGHT (GRAMS):		15.41	15.27	15.78	15.23	15.09	15.23	15.08	15.08
% SOLID:		91	93	77	53	92	87	83	83

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25986  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

			D25994	D25996	D25997	D25998	D25999	D26001	D26002
			P-014-SB-18D	P-014-SB-19A	P-014-SB-19B	P-014-SB-19C	P-014-SB-19D	P-014-SB-20A	P-014-SB-20B
			66599-8	66599-9	66599-10	66599-11	66599-12	66599-13	66599-14
COMPOUND	S-1	RL							
Naphthalene	<b>40</b>	0.33	0.59 U	0.28 U	0.30 U	0.34 U	0.79 U	0.29 U	0.21 J
Acenaphthylene	<b>600</b>	0.33	0.59 U	0.46	0.23 J	0.34 U	0.79 U	0.38	0.37
Acenaphthene	<b>1,000</b>	0.33	0.59 U	0.28 U	0.30 U	0.34 U	0.79 U	0.16 J	0.25 J
Fluorene	<b>1,000</b>	0.33	0.59 U	0.16 J	0.16 J	0.34 U	0.79 U	0.24 J	0.29 J
Phenanthrene	<b>500</b>	0.33	0.59 U	1.5	1.7	0.34 U	0.79 U	2.1	3.50
Anthracene	<b>1,000</b>	0.33	0.59 U	0.92	0.53	0.34 U	0.79 U	0.91	0.64
Fluoranthene	<b>1,000</b>	0.33	0.39 J	4.3	2.8	0.18 J	0.79 U	4.1	4.9
Pyrene	<b>1,000</b>	0.33	0.35 J	4.6	2.7	0.19 J	0.79 U	3.9	4.2
Benzo(a)anthracene	<b>7</b>	0.33	0.59 U	2.6	1.4	0.34 U	0.79 U	2.1	2.0
Chrysene	<b>70</b>	0.33	0.59 U	2.5	1.4	0.34 U	0.79 U	2.1	1.9
Benzo(b)fluoranthene	<b>7</b>	0.33	0.43 J	3.7	2.0	0.22 J	0.79 U	2.9	2.6
Benzo(k)fluoranthene	<b>70</b>	0.33	0.59 U	1.3	0.64	0.34 U	0.79 U	1.1	0.74
Benzo(a)pyrene	<b>2</b>	0.33	0.42 J	<b>2.6</b>	1.5	0.23 J	0.79 U	<b>2.0</b>	1.9
Dibenzo(a,h)anthracene	<b>0.7</b>	0.33	0.59 U	0.28 J	0.19 J	0.34 U	<b>0.79 U</b>	0.23 J	0.37
Benzo(g,h,i)perylene	<b>1,000</b>	0.33	0.59 U	0.28 U	0.85	0.34 U	0.79 U	0.29 U	2.0
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.33	0.59 U	1.2	0.88	0.34 U	0.79 U	0.97	2.0
2-Methylnaphthalene	<b>80</b>	0.33	0.59 U	0.28 U	0.30 U	0.34 U	0.79 U	0.29 U	0.31 U
DILUTION FACTOR:			1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:			5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010
DATE EXTRACTED:			5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010
DATE ANALYZED:			6/2/2010	6/2/2010	6/2/2010	6/2/2010	6/2/2010	6/2/2010	6/3/2010
SAMPLE WEIGHT (GRAMS):			15.50	15.08	15.11	15.08	15.51	15.03	15.22
% SOLID:			44	95	89	78	33	91	85

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25986  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

			D26003	D26004	D26006	D26007	D26008	D26009	D26013
			P-014-SB-20C	P-014-SB-20D	P-014-SB-21A	P-014-SB-21B	P-014-SB-21C	P-014-SB-21D	P-014-SB-32B
			66599-15	66599-16	66599-17	66599-18	66599-19	66599-20	66599-21
SAMPLE NUMBER:									
SAMPLE LOCATION:									
LABORATORY NUMBER:									
COMPOUND	S-1	RL							
Naphthalene	40	0.33	0.20 J	0.78 U	0.27 U	0.30 U	0.53	0.32 U	0.28 U
Acenaphthylene	600	0.33	0.42	0.78 U	0.47	0.18 J	1.22	0.32 U	0.22 J
Acenaphthene	1,000	0.33	0.21 J	0.78 U	0.27 U	0.30 U	0.30 J	0.32 U	0.28 U
Fluorene	1,000	0.33	0.30	0.78 U	0.16 J	0.30 U	0.81	0.32 U	0.28 U
Phenanthrene	500	0.33	2.8	0.78 U	1.56	0.71	6.8	0.32 U	0.62
Anthracene	1,000	0.33	0.75	0.78 U	0.75	0.23 J	2.0	0.32 U	0.25 J
Fluoranthene	1,000	0.33	3.8	0.78 U	3.3	1.3	*11	0.32 U	1.3
Pyrene	1,000	0.33	3.5	0.78 U	3.6	1.2	*8.7	0.32 U	1.1
Benzo(a)anthracene	7	0.33	2.2	0.78 U	1.8	0.82	5.1	0.32 U	0.70
Chrysene	70	0.33	1.9	0.78 U	1.8	0.76	4.6	0.32 U	0.67
Benzo(b)fluoranthene	7	0.33	2.9	0.78 U	3.1	1.1	6.6	0.32 U	0.92
Benzo(k)fluoranthene	70	0.33	1.1	0.78 U	1.0	0.36 J	2.3	0.32 U	0.29
Benzo(a)pyrene	2	0.33	<b>2.1</b>	0.79	1.9	0.66	<b>4.3</b>	0.32 U	0.65
Dibenzo(a,h)anthracene	0.7	0.33	0.29 U	<b>0.78 U</b>	0.18 J	0.30 U	0.50	0.32 U	0.28 U
Benzo(g,h,i)perylene	1,000	0.33	0.98	0.78 U	0.61	0.30 U	1.7	0.32 U	0.50
Indeno(1,2,3-cd)pyrene	7	0.33	0.29 U	0.78 U	0.77	0.30 U	2.2	0.32 U	0.55
2-Methylnaphthalene	80	0.33	0.29 U	0.78 U	0.27 U	0.30 U	0.24 J	0.32 U	0.28 U
DILUTION FACTOR:			1.0	1.0	1.0	1.0	1.0/2.0	1.0	1.0
DATE SAMPLED:			5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/7/2010
DATE EXTRACTED:			5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010
DATE ANALYZED:			6/3/2010	6/2/2010	6/3/2010	6/3/2010	6/3/2010	6/2/2010	6/3/2010
SAMPLE WEIGHT (GRAMS):			15.40	15.09	15.35	15.32	15.26	15.09	15.28
% SOLID:			91	34	95	86	89	82	92

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER ST. WASTE SITE  
CASE: 0808F SDG: D25913  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

			D25913	D25914	D25915	D25916	D25918	D25919	D25920
			P-014-SB-01A	P-014-SB-01B	P-014-SB-01C	P-014-SB-01D	P-014-SB-02A	P-014-SB-02B	P-014-SB-02C
			66596-1	66596-2	66596-3	66596-4	66596-5	66596-6	66596-7
ORGANIC ANALYTES	S-1	RL							
Aroclor-1016	2	0.033	0.036 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U	0.040 U
Aroclor-1221	2	0.033	0.036 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U	0.040 U
Aroclor-1232	2	0.033	0.036 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U	0.040 U
Aroclor-1242	2	0.033	0.036 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U	0.040 U
Aroclor-1248	2	0.033	0.036 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U	0.040 U
Aroclor-1254	2	0.033	0.036 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U	0.040 U
Aroclor-1260	2	0.033	0.036 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U	0.040 U
Aroclor-1262	2	0.033	0.036 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U	0.040 U
Aroclor-1268	2	0.033	0.036 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U	0.040 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	0.036 U	0.036 U	0.036 U	0.043 U	0.036 U	0.036 U	0.040 U

DILUTION FACTOR:	1.1	1.1	1.1	1.3	1.1	1.1	1.2
DATE SAMPLED:	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010
DATE EXTRACTED:	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010
DATE ANALYZED:	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010
% MOISTURE:	11	8	17	24	14	14	22

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER ST. WASTE SITE  
CASE: 0808F SDG: D25913  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

			D25921	D25923	D25924	D25925	D25926	D25928	D25929
			P-014-SB-02D	P-014-SB-03A	P-014-SB-03B	P-014-SB-03C	P-014-SB-03D	P-014-SB-04A	P-014-SB-04B
			66596-8	66596-9	66596-10	66596-11	66596-12	66596-13	66596-14
ORGANIC ANALYTES	S-1	RL							
Aroclor-1016	2	0.033	0.11 U	0.040 U	0.036 U	0.036 U	0.040 U	0.036 U	0.036 U
Aroclor-1221	2	0.033	0.11 U	0.040 U	0.036 U	0.036 U	0.040 U	0.036 U	0.036 U
Aroclor-1232	2	0.033	0.11 U	0.040 U	0.036 U	0.036 U	0.040 U	0.036 U	0.036 U
Aroclor-1242	2	0.033	0.11 U	0.040 U	0.036 U	0.036 U	0.040 U	0.036 U	0.036 U
Aroclor-1248	2	0.033	0.11 U	0.040 U	0.036 U	0.036 U	0.040 U	0.036 U	0.036 U
Aroclor-1254	2	0.033	0.11 U	0.040 U	0.036 U	0.036 U	0.040 U	0.036 U	0.036 U
Aroclor-1260	2	0.033	0.11 U	0.040 U	0.036 U	0.036 U	0.040 U	0.036 U	0.036 U
Aroclor-1262	2	0.033	0.11 U	0.040 U	0.036 U	0.036 U	0.040 U	0.036 U	0.036 U
Aroclor-1268	2	0.033	0.11 U	0.040 U	0.036 U	0.036 U	0.040 U	0.036 U	0.036 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	0.11 U	0.040 U	0.036 U	0.036 U	0.040 U	0.036 U	0.036 U

DILUTION FACTOR:	3.2	1.2	1.1	1.1	1.2	1.1	1.1
DATE SAMPLED:	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010
DATE EXTRACTED:	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010
DATE ANALYZED:	5/18/2010	5/18/2010	5/18/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010
% MOISTURE:	70	17	19	17	24	14	13

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDING AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDING "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER ST. WASTE SITE  
CASE: 0808F SDG: D25913  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

		D25930	D25931	D25933	D25934	D25935	D25936	
SAMPLE NUMBER:		P-014-SB-04C	P-014-SB-04D	P-014-SB-06A	P-014-SB-06B	P-014-SB-06C	P-014-SB-06D	
SAMPLE LOCATION:		66596-15	66596-16	66596-17	66596-18	66596-19	66596-20	
LABORATORY NUMBER:								
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>						
<b>Aroclor-1016</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.040 U	0.040 U	0.043 U	0.033 U
<b>Aroclor-1221</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.040 U	0.040 U	0.043 U	0.033 U
<b>Aroclor-1232</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.040 U	0.040 U	0.043 U	0.033 U
<b>Aroclor-1242</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.040 U	0.040 U	0.043 U	0.033 U
<b>Aroclor-1248</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.040 U	0.040 U	0.043 U	0.033 U
<b>Aroclor-1254</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.040 U	0.040 U	0.043 U	0.033 U
<b>Aroclor-1260</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.040 U	0.040 U	0.043 U	0.033 U
<b>Aroclor-1262</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.040 U	0.040 U	0.043 U	0.033 U
<b>Aroclor-1268</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.040 U	0.040 U	0.043 U	0.033 U
<b>Total PCBs</b>	<b>2</b>	-----	0.040 U	0.036 U	0.040 U	0.040 U	0.043 U	0.033 U

DILUTION FACTOR:	1.2	1.1	1.2	1.2	1.3	1.0
DATE SAMPLED:	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010
DATE EXTRACTED:	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010
DATE ANALYZED:	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010
% MOISTURE:	18	14	18	22	24	9

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE  
CASE: 0808F SDG: D25938  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

		D25938	D25939	D25940	D25941	D25943	D25944	D25945
		P-014-SB-07A	P-014-SB-07B	P-014-SB-07C	P-014-SB-07D	P-014-SB-08A	P-014-SB-08B	P-014-SB-08C
		66598-1	66598-2	66598-3	66598-4	66598-5	66598-6	66598-7
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>						
Aroclor-1016	2	0.033	0.033 U	0.033 U	0.040 U	0.043 U	0.040 U	0.043 U
Aroclor-1221	2	0.033	0.033 U	0.033 U	0.040 U	0.043 U	0.040 U	0.043 U
Aroclor-1232	2	0.033	0.033 U	0.033 U	0.040 U	0.043 U	0.040 U	0.043 U
Aroclor-1242	2	0.033	0.033 U	0.033 U	0.040 U	0.043 U	0.040 U	0.043 U
Aroclor-1248	2	0.033	0.033 U	0.033 U	0.040 U	0.043 U	0.040 U	0.043 U
Aroclor-1254	2	0.033	0.14	0.033 U	0.040 U	0.043 U	0.040 U	0.043 U
Aroclor-1260	2	0.033	0.033 U	0.033 U	0.040 U	0.043 U	0.040 U	0.043 U
Aroclor-1262	2	0.033	0.033 U	0.033 U	0.040 U	0.043 U	0.040 U	0.043 U
Aroclor-1268	2	0.033	0.033 U	0.033 U	0.040 U	0.043 U	0.040 U	0.043 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	0.14	0.033 U	0.040 U	0.043 U	0.040 U	0.043 U
DILUTION FACTOR:		1.0	1.0	1.2	1.3	1.2	1.2	1.3
DATE SAMPLED:		5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010
DATE EXTRACTED:		5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010
DATE ANALYZED:		5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010
SAMPLE WEIGHT (GRAMS):		10.64	10.59	10.10	10.18	10.08	10.10	10.02
% SOLID:		90	93	81	75	83	81	77

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
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J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE  
CASE: 0808F SDG: D25938  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

			D24946	D25948	D25949	D25950	D25951	D25953	D25954
			P-014-SB-08D	P-014-SB-09A	P-014-SB-09B	P-014-SB-09C	P-014-SB-09D	P-014-SB-10A	P-014-SB-10B
			66598-8	66598-9	66598-10	66598-11	66598-12	66598-13	66598-14
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
<b>Aroclor-1016</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.036 U	0.036 U	0.046 U	0.033 U	0.036 U
<b>Aroclor-1221</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.036 U	0.036 U	0.046 U	0.033 U	0.036 U
<b>Aroclor-1232</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.036 U	0.036 U	0.046 U	0.033 U	0.036 U
<b>Aroclor-1242</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.036 U	0.036 U	0.046 U	0.033 U	0.036 U
<b>Aroclor-1248</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.036 U	0.036 U	0.046 U	0.033 U	0.036 U
<b>Aroclor-1254</b>	<b>2</b>	0.033	0.036 U	0.31	0.29	0.036 U	0.046 U	0.033 U	0.036 U
<b>Aroclor-1260</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.036 U	0.036 U	0.046 U	0.033 U	0.036 U
<b>Aroclor-1262</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.036 U	0.036 U	0.046 U	0.033 U	0.036 U
<b>Aroclor-1268</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.036 U	0.036 U	0.046 U	0.033 U	0.036 U
<b>Total PCBs</b>	<b>2</b>	-----	0.036 U	0.31	0.29	0.036 U	0.046 U	0.033 U	0.036 U
DILUTION FACTOR:			1.1	1.0	1.1	1.1	1.4	1.0	1.1
DATE SAMPLED:			5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010
DATE EXTRACTED:			5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010
DATE ANALYZED:			5/19/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010
SAMPLE WEIGHT (GRAMS):			10.30	10.61	10.14	10.83	10.55	10.60	10.41
% SOLID:			90	92	88	84	70	90	85

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J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
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BOLDDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
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MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE  
CASE: 0808F SDG: D25938  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

			D25955	D25956	D25957	D25958	D25959	D25960	D26011
			P-014-SB-10C	P-014-SB-10D	P-014-SB-11A	P-014-SB-11B	P-014-SB-11C	P-014-SB-11D	P-014-SB-30C
			66598-15	66598-16	66598-17	66598-18	66598-19	66598-20	66598-21
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
<b>Aroclor-1016</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.033 U	0.033 U	0.040 U	0.053 U	0.036 U
<b>Aroclor-1221</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.033 U	0.033 U	0.040 U	0.053 U	0.036 U
<b>Aroclor-1232</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.033 U	0.033 U	0.040 U	0.053 U	0.036 U
<b>Aroclor-1242</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.033 U	0.033 U	0.040 U	0.053 U	0.036 U
<b>Aroclor-1248</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.033 U	0.033 U	0.040 U	0.053 U	0.036 U
<b>Aroclor-1254</b>	<b>2</b>	0.033	0.11	0.036 U	0.17	0.28	0.040 U	0.053 U	0.036 U
<b>Aroclor-1260</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.033 U	0.033 U	0.040 U	0.053 U	0.036 U
<b>Aroclor-1262</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.033 U	0.033 U	0.040 U	0.053 U	0.036 U
<b>Aroclor-1268</b>	<b>2</b>	0.033	0.040 U	0.036 U	0.033 U	0.033 U	0.040 U	0.053 U	0.036 U
<b>Total PCBs</b>	<b>2</b>	-----	0.11	0.036 U	0.17	0.28	0.040 U	0.053 U	0.036 U
DILUTION FACTOR:			1.2	1.1	1.0	1.0	1.2	1.6	1.1
DATE SAMPLED:			5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/6/2010
DATE EXTRACTED:			5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010
DATE ANALYZED:			5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010
SAMPLE WEIGHT (GRAMS):			10.92	10.22	10.53	10.41	10.47	10.54	10.46
% SOLID:			79	89	94	92	77	58	84

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25961  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

			D25961	D25962	D25963	D25964	D25966	D25967	D25968
			P-014-SB-12A	P-014-SB-12B	P-014-SB-12C	P-014-SB-12D	P-014-SB-13A	P-014-SB-13B	P-014-SB-13C
			66597-1	66597-2	66597-3	66597-4	66597-5	66597-6	66597-7
ORGANIC ANALYTES	S-1	RL							
Aroclor-1016	2	0.033	0.036 U	0.033 U	0.036 U	0.040 U	0.033 U	0.033 U	0.040 U
Aroclor-1221	2	0.033	0.036 U	0.033 U	0.036 U	0.040 U	0.033 U	0.033 U	0.040 U
Aroclor-1232	2	0.033	0.036 U	0.033 U	0.036 U	0.040 U	0.033 U	0.033 U	0.040 U
Aroclor-1242	2	0.033	0.036 U	0.033 U	0.036 U	0.040 U	0.033 U	0.033 U	0.040 U
Aroclor-1248	2	0.033	0.036 U	0.033 U	0.036 U	0.040 U	0.033 U	0.033 U	0.040 U
Aroclor-1254	2	0.033	0.129	0.033 U	0.036 U	0.040 U	0.033 U	0.175	0.040 U
Aroclor-1260	2	0.033	0.036 U	0.033 U	0.036 U	0.040 U	0.033 U	0.033 U	0.040 U
Aroclor-1262	2	0.033	0.036 U	0.033 U	0.036 U	0.040 U	0.033 U	0.033 U	0.040 U
Aroclor-1268	2	0.033	0.036 U	0.033 U	0.036 U	0.040 U	0.033 U	0.033 U	0.040 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	<b>0.129</b>	<b>0.033 U</b>	<b>0.036 U</b>	<b>0.040 U</b>	<b>0.033 U</b>	<b>0.175</b>	<b>0.040 U</b>
DILUTION FACTOR:			1.1	1.0	1.1	1.2	1.0	1.0	1.2
DATE SAMPLED:			5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010
DATE EXTRACTED:			5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010
DATE ANALYZED:			5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010
% MOISTURE:			6	9	13	20	5	11	18

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25961  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

		D25969	D25971	D25972	D25973	D25974	D25976	D25977	
		P-014-SB-13D	P-014-SB-14A	P-014-SB-14B	P-014-SB-14C	P-014-SB-14D	P-014-SB-15A	P-014-SB-15B	
		66597-8	66597-9	66597-10	66597-11	66597-12	66597-13	66597-14	
ORGANIC ANALYTES	S-1	RL							
Aroclor-1016	2	0.033	0.086 U	0.033 U	0.036 U	0.036 U	0.043 U	0.033 U	0.036 U
Aroclor-1221	2	0.033	0.086 U	0.033 U	0.036 U	0.036 U	0.043 U	0.033 U	0.036 U
Aroclor-1232	2	0.033	0.086 U	0.033 U	0.036 U	0.036 U	0.043 U	0.033 U	0.036 U
Aroclor-1242	2	0.033	0.086 U	0.033 U	0.036 U	0.036 U	0.043 U	0.033 U	0.036 U
Aroclor-1248	2	0.033	0.086 U	0.033 U	0.036 U	0.036 U	0.043 U	0.033 U	0.036 U
Aroclor-1254	2	0.033	0.086 U	0.033 U	0.036 U	0.036 U	0.043 U	0.033 U	0.154
Aroclor-1260	2	0.033	0.086 U	0.033 U	0.036 U	0.036 U	0.043 U	0.033 U	0.111 J
Aroclor-1262	2	0.033	0.086 U	0.033 U	0.036 U	0.036 U	0.043 U	0.033 U	0.036 U
Aroclor-1268	2	0.033	0.086 U	0.033 U	0.036 U	0.036 U	0.043 U	0.033 U	0.036 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	<b>0.086 U</b>	<b>0.033 U</b>	<b>0.036 U</b>	<b>0.036 U</b>	<b>0.043 U</b>	<b>0.033 U</b>	<b>0.265 J</b>
DILUTION FACTOR:		2.6	1.0	1.1	1.1	1.3	1.0	1.1	
DATE SAMPLED:		5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	
DATE EXTRACTED:		5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	
DATE ANALYZED:		5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	
% MOISTURE:		63	6	11	11	29	11	12	

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25961  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

			D25978	D25979	D25981	D25982	D25983	D25984
			P-014-SB-15C	P-014-SB-15D	P-014-SB-16A	P-014-SB-16B	P-014-SB-16C	P-014-SB-16D
			66597-15	66597-16	66597-17	66597-18	66597-19	66597-20
ORGANIC ANALYTES	S-1	RL						
Aroclor-1016	2	0.033	0.040 U	0.050 U	0.033 U	0.036 U	0.040 U	0.036 U
Aroclor-1221	2	0.033	0.040 U	0.050 U	0.033 U	0.036 U	0.040 U	0.036 U
Aroclor-1232	2	0.033	0.040 U	0.050 U	0.033 U	0.036 U	0.040 U	0.036 U
Aroclor-1242	2	0.033	0.040 U	0.050 U	0.033 U	0.036 U	0.040 U	0.036 U
Aroclor-1248	2	0.033	0.040 U	0.050 U	0.033 U	0.036 U	0.040 U	0.036 U
Aroclor-1254	2	0.033	0.040 U	0.050 U	0.033 U	0.036 U	0.040 U	0.036 U
Aroclor-1260	2	0.033	0.040 U	0.050 U	0.033 U	0.036 U	0.040 U	0.036 U
Aroclor-1262	2	0.033	0.040 U	0.050 U	0.033 U	0.036 U	0.040 U	0.036 U
Aroclor-1268	2	0.033	0.040 U	0.050 U	0.033 U	0.036 U	0.040 U	0.036 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	<b>0.040 U</b>	<b>0.050 U</b>	<b>0.033 U</b>	<b>0.036 U</b>	<b>0.040 U</b>	<b>0.036 U</b>
DILUTION FACTOR:			1.2	1.5	1.0	1.1	1.2	1.1
DATE SAMPLED:			5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010
DATE EXTRACTED:			5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010	5/13/2010
DATE ANALYZED:			5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010
% MOISTURE:			17	37	5	9	22	9

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

RL = REPORTING LIMIT

U = VALUE IS NOT DETECTED.

UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.

J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE  
CASE: 0808F SDG: D25986  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

		D25986	D25987	D25988	D25989	D25991	D25992	D25993	
SAMPLE NUMBER:									
SAMPLE LOCATION:		P-014-SB-17A	P-014-SB-17B	P-014-SB-17C	P-014-SB-17D	P-014-SB-18A	P-014-SB-18B	P-014-SB-18C	
LABORATORY NUMBER:		66599-1	66599-2	66599-3	66599-4	66599-5	66599-6	66599-7	
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
<b>Aroclor-1016</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.040 U	0.063 U	0.036 U	0.036 U	0.036 U
<b>Aroclor-1221</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.040 U	0.063 U	0.036 U	0.036 U	0.036 U
<b>Aroclor-1232</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.040 U	0.063 U	0.036 U	0.036 U	0.036 U
<b>Aroclor-1242</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.040 U	0.063 U	0.036 U	0.036 U	0.036 U
<b>Aroclor-1248</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.040 U	0.063 U	0.036 U	0.036 U	0.036 U
<b>Aroclor-1254</b>	<b>2</b>	0.033	0.18	0.033 U	0.040 U	0.063 U	0.036 U	0.036 U	0.036 U
<b>Aroclor-1260</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.040 U	0.063 U	0.036 U	0.036 U	0.15
<b>Aroclor-1262</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.040 U	0.063 U	0.036 U	0.036 U	0.036 U
<b>Aroclor-1268</b>	<b>2</b>	0.033	0.036 U	0.033 U	0.040 U	0.063 U	0.036 U	0.036 U	0.036 U
<b>Total PCBs</b>	<b>2</b>	-----	0.18	0.033 U	0.040 U	0.063 U	0.036 U	0.036 U	0.15
DILUTION FACTOR:		1.1	1.0	1.2	1.9	1.1	1.1	1.1	
DATE SAMPLED:		5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	
DATE EXTRACTED:		5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	
DATE ANALYZED:		5/25/2010	5/25/2010	5/25/2010	5/25/2010	5/25/2010	5/25/2010	5/25/2010	
SAMPLE WEIGHT (GRAMS):		10.06	10.96	10.53	10.01	10.30	10.41	10.88	
% SOLID:		91	93	77	53	92	87	83	

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
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UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE  
CASE: 0808F SDG: D25986  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

			D25994	D25996	D25997	D25998	D25999	D26001	D26002
			P-014-SB-18D	P-014-SB-19A	P-014-SB-19B	P-014-SB-19C	P-014-SB-19D	P-014-SB-20A	P-014-SB-20B
			66599-8	66599-9	66599-10	66599-11	66599-12	66599-13	66599-14
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
<b>Aroclor-1016</b>	<b>2</b>	0.033	0.073 U	0.033 U	0.033 U	0.040 U	0.099 U	0.033 U	0.036 U
<b>Aroclor-1221</b>	<b>2</b>	0.033	0.073 U	0.033 U	0.033 U	0.040 U	0.099 U	0.033 U	0.036 U
<b>Aroclor-1232</b>	<b>2</b>	0.033	0.073 U	0.033 U	0.033 U	0.040 U	0.099 U	0.033 U	0.036 U
<b>Aroclor-1242</b>	<b>2</b>	0.033	0.073 U	0.033 U	0.033 U	0.040 U	0.099 U	0.033 U	0.036 U
<b>Aroclor-1248</b>	<b>2</b>	0.033	0.073 U	0.033 U	0.033 U	0.040 U	0.099 U	0.033 U	0.036 U
<b>Aroclor-1254</b>	<b>2</b>	0.033	0.073 U	0.086	0.27	0.040 U	0.099 U	0.033 U	0.036 U
<b>Aroclor-1260</b>	<b>2</b>	0.033	0.073 U	0.045	0.14	0.040 U	0.099 U	0.033 U	0.036 U
<b>Aroclor-1262</b>	<b>2</b>	0.033	0.073 U	0.033 U	0.033 U	0.040 U	0.099 U	0.033 U	0.036 U
<b>Aroclor-1268</b>	<b>2</b>	0.033	0.073 U	0.033 U	0.033 U	0.040 U	0.099 U	0.033 U	0.036 U
<b>Total PCBs</b>	<b>2</b>	-----	0.073 U	0.13	0.41	0.040 U	0.099 U	0.033 U	0.036 U
DILUTION FACTOR:			2.2	1.0	1.0	1.2	3	1.0	1.1
DATE SAMPLED:			5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010
DATE EXTRACTED:			5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010
DATE ANALYZED:			5/25/2010	5/25/2010	5/25/2010	5/25/2010	5/25/2010	5/25/2010	5/25/2010
SAMPLE WEIGHT (GRAMS):			10.36	10.85	10.70	10.38	10.08	10.57	10.81
% SOLID:			44	95	89	78	33	91	85

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE  
CASE: 0808F SDG: D25986  
LABORATORY: ANALYTICS ENVIRONMENTAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

			D26003	D26004	D26006	D26007	D26008	D26009	D26013
			P-014-SB-20C	P-014-SB-20D	P-014-SB-21A	P-014-SB-21B	P-014-SB-21C	P-014-SB-21D	P-014-SB-32B
			66599-15	66599-16	66599-17	66599-18	66599-19	66599-20	66599-21
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
<b>Aroclor-1016</b>	<b>2</b>	0.033	0.033 U	0.096 U	0.033 U	0.040 U	0.036 U	0.040 U	0.036 U
<b>Aroclor-1221</b>	<b>2</b>	0.033	0.033 U	0.096 U	0.033 U	0.040 U	0.036 U	0.040 U	0.036 U
<b>Aroclor-1232</b>	<b>2</b>	0.033	0.033 U	0.096 U	0.033 U	0.040 U	0.036 U	0.040 U	0.036 U
<b>Aroclor-1242</b>	<b>2</b>	0.033	0.033 U	0.096 U	0.033 U	0.040 U	0.036 U	0.040 U	0.036 U
<b>Aroclor-1248</b>	<b>2</b>	0.033	0.033 U	0.096 U	0.033 U	0.040 U	0.036 U	0.040 U	0.036 U
<b>Aroclor-1254</b>	<b>2</b>	0.033	0.033 U	0.096 U	0.033 U	0.040 U	0.036 U	0.040 U	0.036 U
<b>Aroclor-1260</b>	<b>2</b>	0.033	0.033 U	0.096 U	0.033 U	0.040 U	0.036 U	0.040 U	0.036 U
<b>Aroclor-1262</b>	<b>2</b>	0.033	0.033 U	0.096 U	0.033 U	0.040 U	0.036 U	0.040 U	0.036 U
<b>Aroclor-1268</b>	<b>2</b>	0.033	0.033 U	0.096 U	0.033 U	0.040 U	0.036 U	0.040 U	0.036 U
<b>Total PCBs</b>	<b>2</b>	-----	0.033 U	0.096 U	0.033 U	0.040 U	0.036 U	0.040 U	0.036 U
DILUTION FACTOR:			1	2.9	1.0	1.2	1.1	1.2	1.1
DATE SAMPLED:			5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/7/2010
DATE EXTRACTED:			5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010
DATE ANALYZED:			5/25/2010	5/25/2010	5/25/2010	5/25/2010	5/25/2010	5/25/2010	5/20/2010
SAMPLE WEIGHT (GRAMS):			10.50	10.25	10.19	10.11	10.39	10.41	10.24
% SOLID:			91	34	95	86	89	82	92

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

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mg/kg = MILLIGRAMS PER KILOGRAM

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BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

Data Summary Table 3  
Metals in Soil Analysis  
mg/Kg

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077 SDG No.: MA2153  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number: MA2153 Sample Location: PEIS6083 Laboratory Sample ID: B2249-01			MA3CF7 P014SB01A B2249-03	MA3CF8 P014SB01B B2249-04	MA3CF9 P014SB01C B2249-05	MA3CG0 P014SB01D B2249-06	MA3CH8 P014SB02A B2249-07	MA3CH9 P014SB02B B2249-08	MA3CJ0 P014SB02C B2249-09	MA3CJ1 P014SB02D B2249-10	MA3CK1 P014SB06A B2249-11		
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)										CRQL mg/Kg	
VALIDATED RESULTS:													
Arsenic	0.30	20	91.4	2.6	3.1	2.3 U	1.6 U	6.1	4.4	8.5	13.1	8.6	1.0
Barium	3.5	1000	6.2 J	36.7	128	28.2	18.8 J	61.4	57.4	47.0	75.6	255	20
Cadmium	0.083	2.0	17.6	0.38 U	0.38 U	0.45 U	0.57 U	0.45 U	0.39 U	0.44 U	0.46 U	0.58 U	0.50
Chromium	0.026	30	3.4	10.1	17.5	9.8	8.4	9.2	7.4	3.3	18.8	21.3	1.0
Lead	0.22	300	40.4	105	257	31.2	5.8	194	115	55.6	8.1	<b>616</b>	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		2010	2620	4610	5980	4310	2950	3010	1030	673	4940	20
Calcium	1.4		951	918	1480	970	1410	1200	7640	708	1140	2490	500
Iron	2.2		4040	9710	14800	7860	4820	13200	10300	11300	8360	33100	10
Magnesium	2.1		7520	961	2350	1810	1390	1310	1090	361 J	46.3 J	2000	500
Date Sampled:			5/10/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	
Sample Number: MA3CK2 Sample Location: P014SB06B Laboratory Sample ID: B2249-12			MA3CK3 P014SB06C B2249-13	MA3CK4 P014SB06D B2249-14	MA3CK6 P014SB08A B2249-15	MA3CK7 P014SB08B B2249-16	MA3CK8 P014SB08C B2249-17	MA3CK9 P014SB08D B2249-18	MA3CL1 P014SB04A B2249-19	MA3CL2 P014SB04B B2249-20	MA3CL3 P014SB33B B2249-23		
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)										CRQL mg/Kg	
VALIDATED RESULTS:													
Arsenic	0.30	20	5.7	3.8	0.92 U	6.0	6.0	4.0	1.0 U	5.3	5.5	6.4	1.0
Barium	3.5	1000	270	134	8.8 J	243	172	149	7.5 J	216	56.9	50.9	20
Cadmium	0.083	2.0	0.52 U	0.48 U	0.39 U	0.42 U	0.43 U	0.49 U	0.37 U	0.45 U	0.58 U	0.46 U	0.50
Chromium	0.026	30	15.2	8.8	3.2	19.9	15.6	12.5	4.1	14.5	6.7	5.5	1.0
Lead	0.22	300	<b>689</b>	<b>603</b>	7.1	<b>542</b>	<b>483</b>	<b>767</b>	3.4	223	143	129	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		4250	2730	1940	4580	3430	3350	1710	2500	1690	1280	20
Calcium	1.4		3030	2230	434	2720	3490	2300	452	691	512 J	378 J	500
Iron	2.2		17300	10200	3440	18000	41900	10000	2430	18700	9420	11400	10
Magnesium	2.1		1160	839	689	1620	910	1050	655	785	572 J	491	500
Date Sampled:			5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	
Method: P – ICP-AES			Qualifiers: J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected. Note: Bolded and shaded values exceed Massachusetts Contingency Plan (MCP) S-1 standard.										



Data Summary Table 3  
Metals in Soil Analysis  
mg/Kg

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077 SDG No.: MA2142  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number: MA2142 Sample Location: PEIS6085 Laboratory Sample ID: B2248-01			MA3CE5 P014SB03C B2248-03	MA3CE6 P014SB03D B2248-04	MA3CG2 P014SB07A B2248-05	MA3CG3 P014SB07B B2248-06	MA3CG4 P014SB32B B2248-07	MA3CG5 P014SB07C B2248-08	MA3CG6 P014SB07D B2248-09	MA3CG8 P014SB09A B2248-10	MA3CG9 P014SB09B B2248-11		
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)										CRQL mg/Kg	
VALIDATED RESULTS:													
Arsenic	0.30	20	84.4 J	2.9 UJ	1.8 UJ	2.7 J	1.5 UJ	1.4 UJ	3.8 J	1.6 UJ	2.2 J	3.4 J	1.0
Barium	3.5	1000	6.0 J	171 J	26.5 J	53.5 J	35.5 J	41.0 J	154 J	17.4 J	45.5 J	147 J	20
Cadmium	0.083	2.0	17.2	<b>2.5</b>	0.50 U	0.44 U	0.41 U	0.44 U	0.42 U	0.42 U	0.36 U	0.38 U	0.50
Chromium	0.026	30	3.6 J	10.8 J	11.0 J	22.5 J	18.1 J	20.2 J	18.7 J	11.4 J	17.9 J	20.9 J	1.0
Lead	0.22	300	39.1 J	<b>339 J</b>	6.5 J	73.2 J	19.6 J	24.2 J	<b>461 J</b>	5.1 J	98.6 J	207 J	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		1910	5550	6210	7110	7150	6850	6270	4350	5580	6490	20
Calcium	1.4		904	1540	2390	5750	2330	2100	3500	2340	5010	4430	500
Iron	2.2		3900	13500	5880	11500	12100	10600	14500	2750	8720	12300	10
Magnesium	2.1		6720	1190	1830	3980	3920	3940	2590	942	2980	2740	500
Date Sampled:			5/10/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	
Sample Number: MA3CH0 Sample Location: P014SB11A Laboratory Sample ID: B2248-12			MA3CH1 P014SB11B B2248-13	MA3CH2 P014SB11C B2248-14	MA3CH3 P014SB11D B2248-15	MA3CH4 P014SB03A B2248-16	MA3CH5 P014SB03B B2248-17	MA3CH6 P014SB09C B2248-20	MA3CH7 P014SB09D B2248-21	MA3CN1 P014SB10A B2248-22	MA3CN2 P014SB10B B2248-23		
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)										CRQL mg/Kg	
VALIDATED RESULTS:													
Arsenic	0.30	20	1.7 UJ	0.97 UJ	<b>25.2 J</b>	4.9 J	5.2 J	6.2 J	5.7 J	2.1 UJ	4.4 J	7.1 J	1.0
Barium	3.5	1000	57.8 J	12.9 J	<b>1050 J</b>	40.5 J	<b>1310 J</b>	162 J	208 J	28.6 J	228 J	338 J	20
Cadmium	0.083	2.0	0.39 U	0.39 U	<b>2.0</b>	0.74 U	1.5	0.60 U	0.51 U	0.54 U	0.44 U	0.90 U	0.50
Chromium	0.026	30	<b>33.0 J</b>	4.9 J	<b>33.6 J</b>	15.7 J	16.1 J	24.2 J	15.8 J	6.0 J	<b>80.7 J</b>	29.0 J	1.0
Lead	0.22	300	36.0 J	17.8 J	<b>3350 J</b>	24.0 J	<b>535 J</b>	<b>314 J</b>	<b>303 J</b>	41.7 J	268 J	<b>891 J</b>	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		6770	2400	7090	13000	4870	6040	5690	4520	7540	5000	20
Calcium	1.4		9400	914	11200	6340	2320	2620	2960	2310	3790	3070	500
Iron	2.2		10600	3540	60800	8660	15100	28900	13000	3500	18000	18000	10
Magnesium	2.1		5240	848	1060	1880	1380	1670	2090	751	5590	1750	500
Date Sampled:			5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	5/7/2010	
Method: P – ICP-AES			Qualifiers: J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected. Note: Bolded and shaded values exceed Massachusetts Contingency Plan (MCP) S-1 standard.										

Data Summary Table 3  
Metals in Soil/Water Analysis  
mg/Kg – µg/L

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077      SDG No.: MA2142  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number:		MA3CN3	MA3CN4									
Sample Location:		P014SB10C	P014SB10D									
Laboratory Sample ID:		B2248-24	B2248-25									
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)										CRQL mg/Kg
VALIDATED RESULTS:												
Arsenic	0.30	20	6.4 J	1.6 UJ								1.0
Barium	3.5	1000	230 J	15.0 J								20
Cadmium	0.083	2.0	0.52 U	0.48 U								0.50
Chromium	0.026	30	<b>38.2 J</b>	7.5 J								1.0
Lead	0.22	300	<b>843 J</b>	3.9 J								1.0
NOT VALIDATED RESULTS:												
Aluminum	1.3		5570	3200								20
Calcium	1.4		3570	919								500
Iron	2.2		16000	4400								10
Magnesium	2.1		1800	1190								500
Date Sampled:		5/7/2010	5/7/2010									
Sample Number:		MA2410										
Sample Location:		RB-42										
Laboratory Sample ID:		B2248-02										
Analyte	Method	MDL (µg/L)										CRQL µg/L
VALIDATED RESULTS:												
Arsenic	P	3.3	10.0 U									10
Barium	P	2.4	200 U									200
Cadmium	P	0.13	5.0 U									5
Chromium	P	0.52	10.0 UJ									10
Lead	P	2.3	10.0 U									10
NOT VALIDATED RESULTS:												
Aluminum	P	5.6	13.5 J									200
Calcium	P	13.7	5000 U									5000
Iron	P	8.4	120									100
Magnesium	P	28.5	5000 U									5000
Date Sampled:		5/6/2010										
Method: P – ICP-AES			Qualifiers:      J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected.									

Prepared by Shaw, EPA Contract Number EP-W-06-005, Task Order Number 4018, Region I Metals Data Validation, June 14, 2010. Modified by Weston Solutions, Inc., Superfund Technical Assessment and Response Team (START), EPA Contract Number EP-W-05-042, August 25, 2010. START modifications include adding the S-1 standard, highlighting exceedances, and amending the title and footers.

**REMOVAL PROGRAM  
SITE INVESTIGATION SUMMARY REPORT  
FOR THE  
PARKER STREET WASTE SITE PROPERTIES  
NEW BEDFORD, BRISTOL COUNTY, MASSACHUSETTS  
26 APRIL 2010 THROUGH 8 JUNE 2010**

**(P-015)  
DC NO. R-6266**

Prepared for:

U.S. Environmental Protection Agency  
Region I  
Emergency Planning and Response Branch  
5 Post Office Square, Suite 100  
Boston, MA 02109-3912

Submitted by:

Weston Solutions, Inc.  
Region I  
Superfund Technical Assessment and Response Team III (START)  
3 Riverside Drive  
Andover, MA 01810

September 2010

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## **LIST OF ATTACHMENTS**

### **Attachment A**

#### **Figures**

Figure 1 - Site Location Map

Figure 2 - Soil Boring Location Map

Figure 3 - Soil Sample Designations

### **Attachment B**

#### **Tables**

Table 1 - Data Summary Table, Polycyclic Aromatic Hydrocarbon (PAH) Organic Soil Analyses

Table 2 - Data Summary Table, Polychlorinated Biphenyls (PCB) Soil Analysis

Table 3 - Data Summary Table, Metals in Soil and Metals in Soil/Water Analysis

## **1.0 INTRODUCTION**

Weston Solutions, Inc. (WESTON) was tasked to provide technical support to U.S. Environmental Protection Agency (EPA) Region I with a Site Investigation (SI) at the Parker Street Waste Site (the site), located in New Bedford, Bristol County, Massachusetts (see Attachment A, Figure 1). The SI included conducting soil sampling activities at several residential, commercial, and private properties located along the periphery of the site. The sampling was conducted to assist the Massachusetts Department of Environmental Protection (MassDEP) and the City of New Bedford with defining the nature and extent of the site (*i.e.* extent of the landfill); determining whether there is an immediate risk to public health, safety, or the environment related to contamination from the site; determining whether site conditions warrant further action pursuant to applicable state and federal regulations; and identifying any additional data gaps.

## **2.0 SITE DESCRIPTION**

The Parker Street Waste Site (the site) is an approximately 105-acre site located in New Bedford, Bristol County, Massachusetts. In 2000, during an environmental due diligence investigation of the former McCoy Field as a possible location for the new Keith Middle School (KMS), polychlorinated biphenyl (PCB) levels above regulatory reporting limits were detected in soil. After reviewing data and information collected during subsequent investigations conducted by the City of New Bedford, and in an effort to assist MassDEP and the City of New Bedford in expediting the assessment of the Parker Street Waste Site, EPA and MassDEP, in consultation with the City of New Bedford and community leaders, identified 11 specific areas where further investigation was warranted to define the boundary of the site.

The property encompasses approximately 3.12 acres, and includes

. The is a triangular-shaped property, and is bordered by Parker Street to the north, Summit Street to the west, and Hathaway Boulevard to the east. Features of the include paved walkways and a basketball court (see Attachment A, Figure 2).

## **3.0 NARRATIVE CHRONOLOGY**

On May 3 through May 5, 2010, EPA and its contractors accessed the (the property), to advance soil

borings and subsequently collect soil samples from the borings. Sampling design and soil sampling activities conducted as part of the Parker Street Waste SI were conducted in accordance with the site-specific Sampling and Analysis Plan (SAP), which was approved by EPA and MassDEP, in consultation with various community leaders. The SAP was prepared as a separate document, entitled *Sampling and Analysis Plan for the Parker Street Waste Site, New Bedford, Bristol County, Massachusetts*, dated April 2010. Site activities were also conducted in accordance with health and safety requirements outlined in the site-specific Health and Safety Plan (HASP), entitled *Health and Safety Plan for the Parker Street Waste Site, New Bedford, Bristol County, Massachusetts*, dated April 2010.

A grid system consisting of approximately 50-foot (ft) by 50-ft grid cells was established on the property, resulting in 10 soil boring locations (P-015-SB-01 through P-015-SB-10) at intersecting grid nodes. Subsequently, a total of 46 samples were collected and submitted for PCBs, polycyclic aromatic hydrocarbons (PAH), and metals analyses. This total sample number includes quality control (QC) samples [field duplicate, matrix spike/matrix spike duplicate (MS/MSD), rinsate blank, and performance evaluation samples]. All sample locations are prefaced with the property code designation “P-015”. The samples designated as SB-20 (or higher) indicate field duplicate samples.

A Trimble Pathfinder Global Positioning System (GPS) unit was used to record the geographic coordinates of soil boring locations. Boring locations are depicted in Figure 2.

Soil samples designated with an “A” were collected from the 0- to 1-foot below ground surface (bgs) interval; with a “B” from the 1- to 3-foot bgs interval; with a “C” from anthropogenic fill (*i.e.*, ash, slag) found below the 3-foot interval; and with a “D” from the top interval of native soil encountered below the fill material. In situations where anthropogenic fill was not encountered, but natural fill was encountered, a sample was collected from natural fill material and designated as “F”. Samples were also collected from the bottom interval of the native soil, designated as “E”, and stored pending analytical results from the “D” sample. See Attachment A, Figure 3 for soil sample designations.

The soil samples, along with the appropriate number of QC samples, were sent to a Delivery of Analytical Services (DAS) laboratory for PCB and PAH analyses and to a Contract Laboratory Program (CLP) laboratory for metals analyses. Analytical results are included in Attachment B, Tables 1, 2, and 3 and are discussed in Section 4.0 below.

#### **4.0 ANALYTICAL RESULTS**

##### **Polycyclic Aromatic Hydrocarbons (PAHs)**

Thirteen PAHs were detected in the soil samples collected from the property. None of these PAHs exceeded the applicable Massachusetts Contingency Plan (MCP) Method 1 S-1 standards. Category S-1 soils are associated with the highest potential for human exposure and the standards are based on a residential exposure scenario in which the potential receptor may come into contact with the contaminated soil. The S-1 soil standards consider incidental ingestion of the soil, dermal contact with the soil, and ingestion of produce grown in the soil. See Appendix B, Data Summary Table 1. The PAH compounds are listed on the left, and the MCP Method 1 S-1 standards are listed in bold type in the next column. Sample numbers and sample locations are listed in the column headers. QC samples results are not shown in Table 1.

##### **Polychlorinated Biphenyls (PCBs)**

Two PCB Aroclors were detected in the soil samples collected from the property. No individual or total PCB Aroclors exceeded the MCP Method 1 S-1 standard. See Appendix B, Data Summary Table 2. PCBs are listed on the left, and the MCP Method 1 S-1 standards are listed in bold type in the next column. Sample numbers and sample locations are listed in the column headers. QC samples results are not shown in Table 2.

## **Metals**

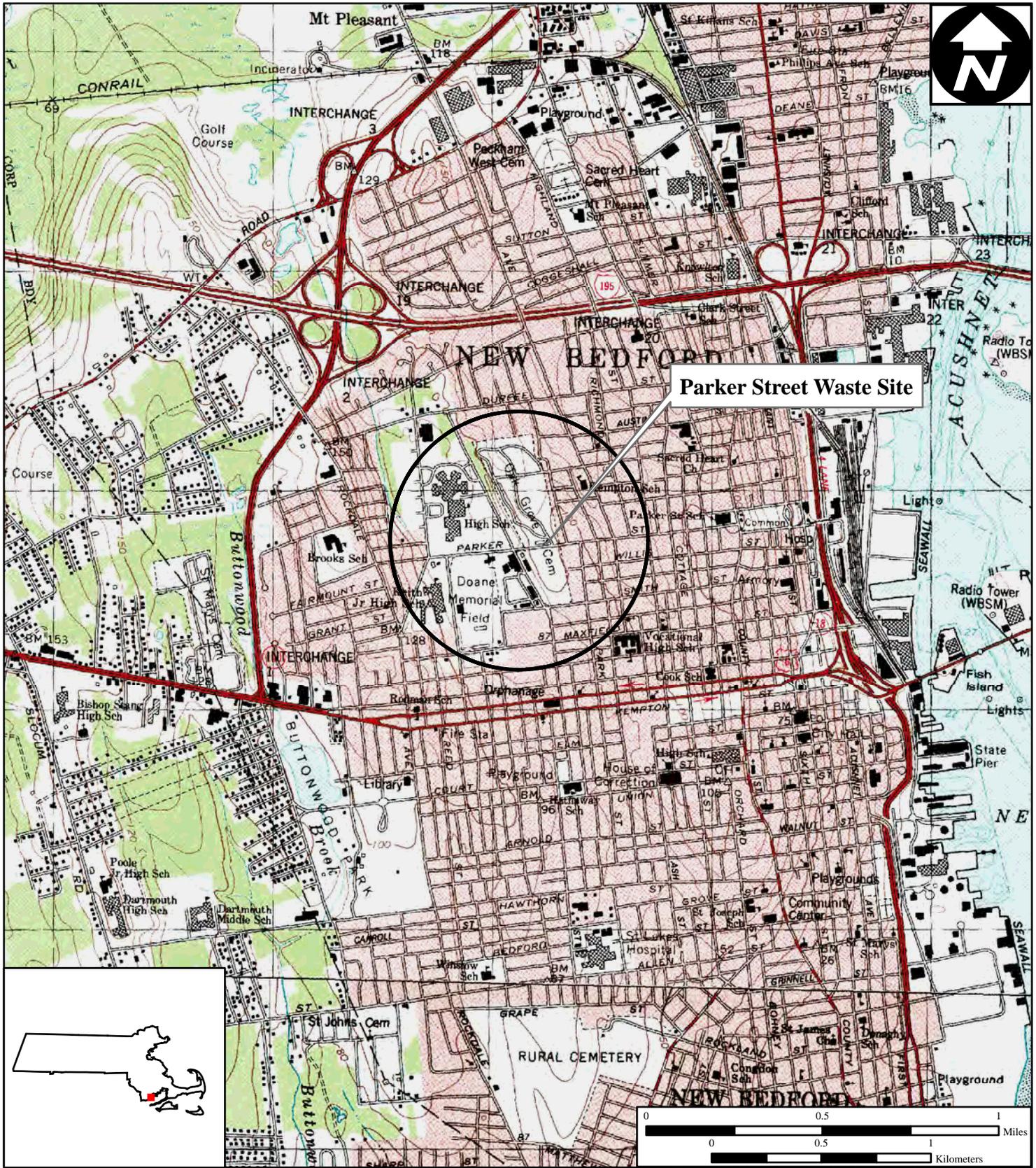
Four metals (arsenic, barium, chromium, and lead) were detected in the soil samples collected from the property. None of these metals exceeded MCP Method 1 S-1 standards. See Appendix B, Summary Table 3. QC samples results for performance evaluation (PE) samples and rinsate blank (RB) samples are shown in Table 3.

**Attachment A**  
**(Figures)**

Figure 1 - Site Location Map

Figure 2 - Soil Boring Location Map

Figure 3 - Soil Sample Designations



**Figure 1**

**Site Location Map**

**Parker Street Waste Site  
New Bedford, Massachusetts**

**EPA Region I  
Superfund Technical Assessment and  
Response Team (START) III  
Contract No. EP-W-05-042**

**TDD Number:** 09-10-0001  
**Created by:** T. Benton  
**Created on:** 8 June 2010  
**Modified by:** T. Benton  
**Modified on:** 8 June 2010

**Data Sources:**  
 Topos: MicroPath/USGS  
 Quadrangle Name(s): L41070E8  
 All other data: START





**Figure 2**

(P-015)

**Soil Boring Location Map**

**Parker Street Waste Site  
New Bedford, Massachusetts**

**EPA Region I  
Superfund Technical Assessment and  
Response Team (START) III  
Contract No. EP-W-05-042**

**TDD Number:** 09-10-0001

**Created by:** T. Benton

**Created on:** 8 June 2010

**Modified by:** T. Benton

**Modified on:** 8 June 2010

**LEGEND**

-  Soil Boring Location
-  Parcel Boundary



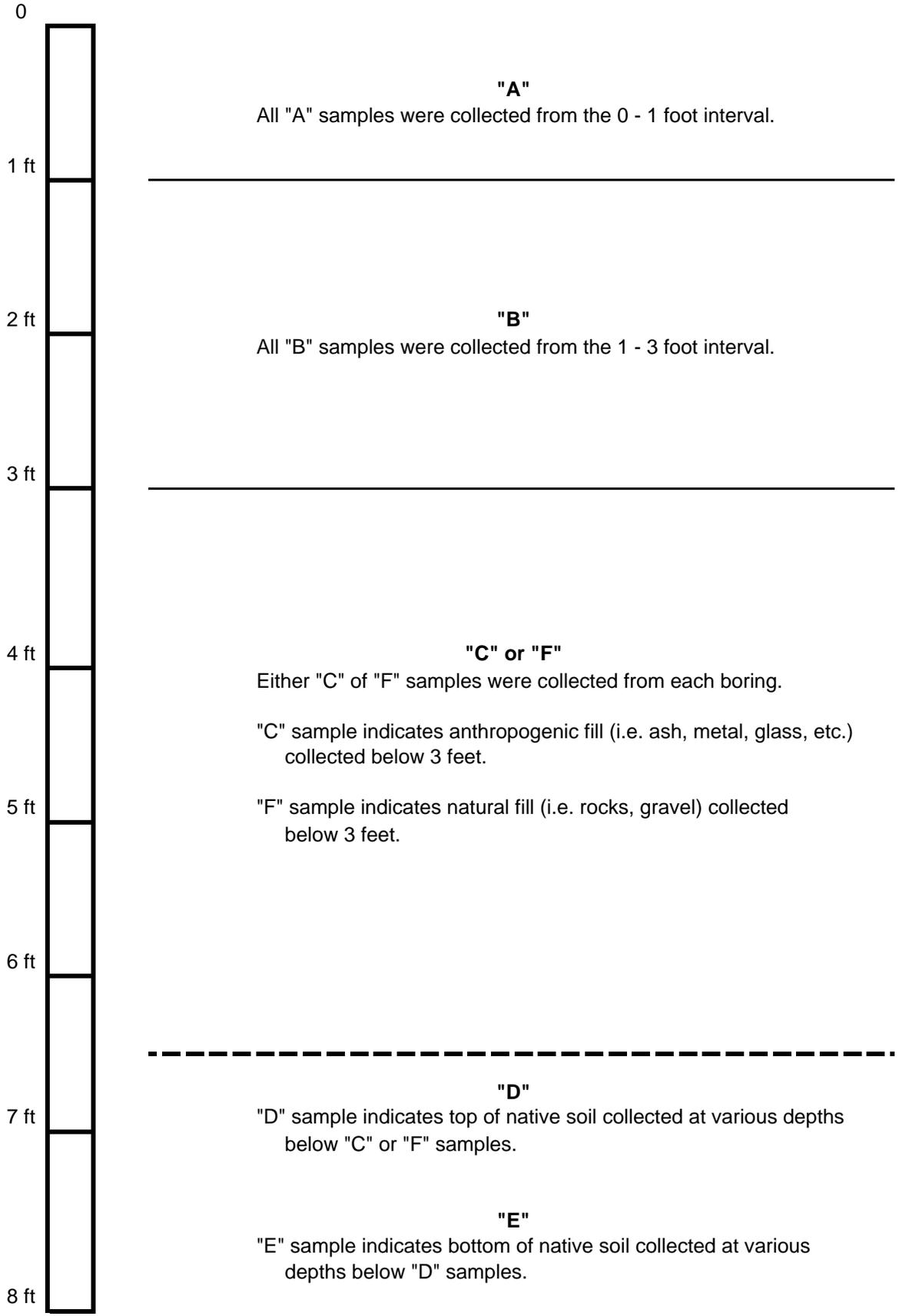
**Data Sources:**

Imagery: MassGIS (2008 Aerial - 24628210)  
All other data: START



**FIGURE 3**

**SOIL SAMPLE DESIGNATIONS**



**Attachment B**  
**(Tables)**

Table 1 - Data Summary Table, Polycyclic Aromatic Hydrocarbon (PAH) Organic Soil Analyses

Table 2 - Data Summary Table, Polychlorinated Biphenyls (PCB) Soil Analysis

Table 3 - Data Summary Table, Metals in Soil and Metals in Soil/Water Analysis

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25605  
LABORATORY: PEL/MITKEM LABORATORIES

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	D25605		D25606		D25608		D25607		D25643		D25644		D25645	
	P-015-SB-01A		P-015-SB-01B		P-015-SB-01D		P-015-SB-01F		P-015-SB-02A		P-015-SB-02B		P-015-SB-02D	
	251584801		251584802		251584803		251584804		251584805		251584806		251584807	
COMPOUND	S-1	RL												
Acenaphthene	<b>1,000</b>	0.33	0.30 U	0.28 U	0.29 U	0.30 U	0.30 U	0.30 U	0.29 U	0.32 U				
Fluoranthene	<b>1,000</b>	0.33	0.39	0.28 U	0.29 U	0.30 U	0.56	0.29 U	0.32 U					
Naphthalene	<b>40</b>	0.33	0.30 U	0.28 U	0.29 U	0.30 U	0.30 U	0.29 U	0.32 U					
Benzo(a)anthracene	<b>7</b>	0.33	0.22 J	0.28 U	0.29 U	0.30 U	0.30 J	0.29 U	0.32 U					
Benzo(a)pyrene	<b>2</b>	0.33	0.29 J	0.28 U	0.29 U	0.30 U	0.40	0.29 U	0.32 U					
Benzo(b)fluoranthene	<b>7</b>	0.33	0.43	0.28 U	0.29 U	0.30 U	0.61	0.29 U	0.32 U					
Benzo(k)fluoranthene	<b>70</b>	0.33	0.14 J	0.28 U	0.29 U	0.30 U	0.22 J	0.29 U	0.32 U					
Chrysene	<b>70</b>	0.33	0.29 J	0.28 U	0.29 U	0.33 J	0.41 J	0.29 U	0.32 U					
Acenaphthylene	<b>600</b>	0.33	0.30 U	0.28 U	0.29 U	0.30 U	0.30 U	0.29 U	0.32 U					
Anthracene	<b>1,000</b>	0.33	0.30 U	0.28 U	0.29 U	0.30 U	0.30 U	0.29 U	0.32 U					
Benzo(g,h,i)perylene	<b>1,000</b>	0.33	0.18 J	0.28 U	0.29 U	0.30 U	0.24 J	0.29 U	0.32 U					
Fluorene	<b>1,000</b>	0.33	0.30 U	0.28 U	0.29 U	0.30 U	0.30 U	0.29 U	0.32 U					
Phenanthrene	<b>500</b>	0.33	0.19 J	0.28 U	0.29 U	0.30 U	0.26 J	0.29 U	0.32 U					
Dibenzo(a,h)anthracene	<b>0.7</b>	0.33	0.46 J	0.28 U	0.29 U	0.30 U	0.07	0.29 U	0.32 U					
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.33	0.15 J	0.28 U	0.29 U	0.30 U	0.06 J	0.29 U	0.32 U					
Pyrene	<b>1,000</b>	0.33	0.41	0.28 U	0.29 U	0.30 U	0.59	0.29 U	0.32 U					
2-Methylnaphthalene	<b>80</b>	0.33	0.30 U	0.28 U	0.29 U	0.30 U	0.30 U	0.29 U	0.32 U					
DILUTION FACTOR:			1	1.0	1.0	1.0	1.0	1.0	1.0					
DATE SAMPLED:			5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/4/2010	5/4/2010	5/4/2010					
DATE EXTRACTED:			5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010					
DATE ANALYZED:			5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010					
SAMPLE WEIGHT (GRAMS):			25.4	25.5	25.4	25.8	25.7	25.2	25.6					
% MOISTURE:			14.0	9.0	11.0	14.0	16.0	8.3	19.0					

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

RL = REPORTING LIMIT

U = VALUE IS NOT DETECTED.

UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.

J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25605  
LABORATORY: PEL/MITKEM LABORATORIES

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

		D25647	D25610	D25611	D25613	D25612	D25648	D25649
		P-015-SB-02F	P-015-SB-03A	P-015-SB-03B	P-015-SB-03D	P-015-SB-03F	P-015-SB-04A	P-015-SB-04B
		251584808	251584809	251584810	251584811	251584812	251584813	251584814
COMPOUND	S-1	RL						
Acenaphthene	<b>1,000</b>	0.33	0.29 U	0.31 U	0.29 U	0.33 U	0.29 U	0.30 U
Fluoranthene	<b>1,000</b>	0.33	0.29 U	0.16 J	0.09 J	0.09 J	0.29 U	0.11 J
Naphthalene	<b>40</b>	0.33	0.29 U	0.31 U	0.29 U	0.33 U	0.29 U	0.30 U
Benzo(a)anthracene	<b>7</b>	0.33	0.29 U	0.09 J	0.29 U	0.33 U	0.29 U	0.06 J
Benzo(a)pyrene	<b>2</b>	0.33	0.29 U	0.11 J	0.05 J	0.06 J	0.29 U	0.08 J
Benzo(b)fluoranthene	<b>7</b>	0.33	0.29 U	0.17 J	0.06 J	0.09 J	0.29 U	0.12 J
Benzo(k)fluoranthene	<b>70</b>	0.33	0.29 U	0.06 J	0.29 U	0.33 U	0.29 U	0.05 J
Chrysene	<b>70</b>	0.33	0.03 J	0.11 J	0.06 J	0.08 J	0.29 U	0.82 J
Acenaphthylene	<b>600</b>	0.33	0.29 U	0.31 U	0.29 U	0.33 U	0.29 U	0.30 U
Anthracene	<b>1,000</b>	0.33	0.29 U	0.31 U	0.29 U	0.33 U	0.29 U	0.30 U
Benzo(g,h,i)perylene	<b>1,000</b>	0.33	0.29 U	0.07 J	0.04 J	0.33 U	0.29 U	0.06 J
Fluorene	<b>1,000</b>	0.33	0.29 U	0.31 U	0.29 U	0.33 U	0.29 U	0.30 U
Phenanthrene	<b>500</b>	0.33	0.29 U	0.08 J	0.06 J	0.06 J	0.29 U	0.06 J
Dibenzo(a,h)anthracene	<b>0.7</b>	0.33	0.29 U	0.31 U	0.29 U	0.33 U	0.29 U	0.30 U
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.33	0.29 U	0.05 J	0.29 U	0.33 U	0.29 U	0.30 U
Pyrene	<b>1,000</b>	0.33	0.29 U	0.17 J	0.10 J	0.10 J	0.29 U	0.11 J
2-Methylnaphthalene	<b>80</b>	0.33	0.29 U	0.31 U	0.29 U	0.33 U	0.29 U	0.30 U
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:		5/4/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/4/2010	5/4/2010
DATE EXTRACTED:		5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010
DATE ANALYZED:		5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010
SAMPLE WEIGHT (GRAMS):		25.2	25.1	25.6	25.3	25.4	25.8	25.2
% MOISTURE:		9.1	15.0	10.0	21.0	10.0	11.3	12.1

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25605  
LABORATORY: PEL/MITKEM LABORATORIES

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	D25651		D25650		D25653		D25654		D25656		D25655	
	P-015-SB-04D		P-015-SB-04F		P-015-SB-05A		P-015-SB-05B		P-015-SB-05D		P-015-SB-05F	
	251584815		251584816		251584817		251584818		251584819		251584820	
COMPOUND	S-1	RL										
Acenaphthene	<b>1,000</b>	0.33	0.34 U	0.29 U	0.30 U	0.28 U	0.35 U	0.28 U				
Fluoranthene	<b>1,000</b>	0.33	0.34 U	0.64	0.37	0.28 U	0.35 U	0.28 UJ				
Naphthalene	<b>40</b>	0.33	0.34 U	0.29 U	0.30 U	0.28 U	0.35 U	0.28 UJ				
Benzo(a)anthracene	<b>7</b>	0.33	0.34 U	0.65	0.20 J	0.28 U	0.35 U	0.28 U				
Benzo(a)pyrene	<b>2</b>	0.33	0.34 U	1.24	0.26 J	0.28 U	0.35 U	0.28 U				
Benzo(b)fluoranthene	<b>7</b>	0.33	0.34 U	1.46	0.41	0.28 U	0.35 U	0.28 U				
Benzo(k)fluoranthene	<b>70</b>	0.33	0.34 U	0.58	0.14 J	0.28 U	0.35 U	0.28 UJ				
Chrysene	<b>70</b>	0.33	0.34 U	0.77	0.27 J	0.28 U	0.04 J	0.28 U				
Acenaphthylene	<b>600</b>	0.33	0.34 U	0.32	0.30 U	0.28 U	0.35 U	0.28 U				
Anthracene	<b>1,000</b>	0.33	0.34 U	0.11 J	0.30 U	0.28 U	0.35 U	0.28 U				
Benzo(g,h,i)perylene	<b>1,000</b>	0.33	0.34 U	0.76	0.18 J	0.28 U	0.35 U	0.28 U				
Fluorene	<b>1,000</b>	0.33	0.34 U	0.29 U	0.30 U	0.28 U	0.35 U	0.28 U				
Phenanthrene	<b>500</b>	0.33	0.34 U	0.19 J	0.18 J	0.28 U	0.35 U	0.28 UJ				
Dibenzo(a,h)anthracene	<b>0.7</b>	0.33	0.34 U	0.19 J	0.05 J	0.28 U	0.35 U	0.28 U				
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.33	0.34 U	0.65	0.15 J	0.28 U	0.35 U	0.28 U				
Pyrene	<b>1,000</b>	0.33	0.34 U	0.86	0.40	0.28 U	0.35 U	0.28 U				
2-Methylnaphthalene	<b>80</b>	0.33	0.34 U	0.29 U	0.30 U	0.28 U	0.35 U	0.28 UJ				
DILUTION FACTOR:			1.0	1.0	1.0	1.0	1.0	1.0				
DATE SAMPLED:			5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010				
DATE EXTRACTED:			5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010				
DATE ANALYZED:			5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010				
SAMPLE WEIGHT (GRAMS):			25.2	25.2	25.6	25.8	25.4	25.3				
% MOISTURE:			23.8	9.0	13.0	7.9	26.3	7.1				

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

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U = VALUE IS NOT DETECTED.

UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.

J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25658  
LABORATORY: PEL/MITKEM LABORATORIES

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	D25658		D25659		D25661		D25660		D25830		D25831		D25832	
	P-015-SB-06A		P-015-SB-06B		P-015-SB-06D		P-015-SB-06F		P-015-SB-07A		P-015-SB-07B		P-015-SB-07D	
	251585101		251585102		251585105		251585106		251585107		251585108		251585109	
COMPOUND	S-1	RL												
Acenaphthene	<b>1,000</b>	0.33	0.31 U	0.28 U	0.32 U	0.28 U	0.31 U	0.31 U						
Fluoranthene	<b>1,000</b>	0.33	0.19 J	0.28 U	0.32 U	0.28 U	0.10 J	0.27 J	0.07 J	0.07 J	0.07 J	0.07 J	0.07 J	0.07 J
Naphthalene	<b>40</b>	0.33	0.31 U	0.28 U	0.32 U	0.28 U	0.31 U	0.31 U						
Benzo(a)anthracene	<b>7</b>	0.33	0.10 J	0.28 U	0.32 U	0.28 U	0.31 U	0.14 J	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Benzo(a)pyrene	<b>2</b>	0.33	0.02 J	0.28 U	0.32 U	0.28 U	0.06 J	0.18 J	0.04 J	0.04 J	0.04 J	0.04 J	0.04 J	0.04 J
Benzo(b)fluoranthene	<b>7</b>	0.33	0.19 J	0.28 U	0.32 U	0.28 U	0.09 J	0.21 J	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Benzo(k)fluoranthene	<b>70</b>	0.33	0.08 J	0.28 U	0.32 U	0.28 U	0.31 U	0.08 J	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Chrysene	<b>70</b>	0.33	0.15 J	0.28 U	0.32 U	0.28 U	0.07 J	0.18 J	0.04 J	0.04 J	0.04 J	0.04 J	0.04 J	0.04 J
Acenaphthylene	<b>600</b>	0.33	0.31 U	0.28 U	0.32 U	0.28 U	0.31 U	0.31 U						
Anthracene	<b>1,000</b>	0.33	0.31 U	0.28 U	0.32 U	0.28 U	0.31 U	0.31 U						
Benzo(g,h,i)perylene	<b>1,000</b>	0.33	0.05 J	0.28 U	0.32 U	0.28 U	0.31 U	0.07 J	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Fluorene	<b>1,000</b>	0.33	0.31 U	0.28 U	0.32 U	0.28 U	0.31 U	0.31 U						
Phenanthrene	<b>500</b>	0.33	0.09 J	0.28 U	0.32 U	0.28 U	0.31 U	0.14 J	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Dibenzo(a,h)anthracene	<b>0.7</b>	0.33	0.31 U	0.28 U	0.32 U	0.28 U	0.31 U	0.31 U						
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.33	0.31 U	0.28 U	0.32 U	0.28 U	0.31 U	0.07 J	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Pyrene	<b>1,000</b>	0.33	0.21 J	0.28 U	0.32 U	0.28 U	0.31 U	0.27 J	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
2-Methylnaphthalene	<b>80</b>	0.33	0.31 U	0.28 U	0.32 U	0.28 U	0.31 U	0.31 U						
DILUTION FACTOR:			1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:			5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010
DATE EXTRACTED:			5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010
DATE ANALYZED:			5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010
SAMPLE WEIGHT (GRAMS):			25.1	25.4	25.4	25.4	25.5	25.1	25.5	25.5	25.5	25.5	25.2	25.2
% MOISTURE:			15.0	7.6	18.0	8.4	14.4	16.2	14.3	14.3	14.3	14.3	14.3	14.3

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mg/kg = MILLIGRAMS PER KILOGRAM

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BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

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MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25658  
LABORATORY: PEL/MITKEM LABORATORIES

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

		D25834	D25835	D25836	D25663	D25664	DD25665	D25666	
		P-015-SB-08A	P-015-SB-08B	P-015-SB-08D	P-015-SB-09A	P-015-SB-09B	P-015-SB-10A	P-015-SB-10B	
		251585110	251585111	251585112	251585113	251585114	251585115	251585116	
COMPOUND	S-1	RL							
Acenaphthene	<b>1,000</b>	0.33	0.75 U	0.34 U	0.28 U	0.31 U	0.30 U	0.31 U	0.29 U
Fluoranthene	<b>1,000</b>	0.33	0.26 J	0.34 U	0.28 U	0.25 J	0.06 J	0.17 J	0.29 U
Naphthalene	<b>40</b>	0.33	0.75 U	0.34 U	0.28 U	0.31 U	0.30 U	0.31 U	0.29 U
Benzo(a)anthracene	<b>7</b>	0.33	0.75 U	0.34 U	0.28 U	0.12 J	0.30 U	0.08 J	0.29 U
Benzo(a)pyrene	<b>2</b>	0.33	0.16 J	0.34 U	0.28 U	0.19 J	0.04 J	0.12 J	0.29 U
Benzo(b)fluoranthene	<b>7</b>	0.33	0.32 J	0.34 U	0.28 U	0.27 J	0.30 U	0.17 J	0.29 U
Benzo(k)fluoranthene	<b>70</b>	0.33	0.14 J	0.34 U	0.28 U	0.12 J	0.30 U	0.06 J	0.29 U
Chrysene	<b>70</b>	0.33	0.18 J	0.34 U	0.28 U	0.19 J	0.05 J	0.12 J	0.29 U
Acenaphthylene	<b>600</b>	0.33	0.75 U	0.34 U	0.28 U	0.31 U	0.30 U	0.31 U	0.29 U
Anthracene	<b>1,000</b>	0.33	0.75 U	0.34 U	0.28 U	0.31 U	0.30 U	0.31 U	0.29 U
Benzo(g,h,i)perylene	<b>1,000</b>	0.33	0.75 U	0.34 U	0.28 U	0.05 J	0.30 U	0.31 U	0.29 U
Fluorene	<b>1,000</b>	0.33	0.75 U	0.34 U	0.28 U	0.31 U	0.30 U	0.31 U	0.29 U
Phenanthrene	<b>500</b>	0.33	0.14 J	0.34 U	0.28 U	0.12 J	0.30 U	0.09 J	0.29 U
Dibenzo(a,h)anthracene	<b>0.7</b>	0.33	<b>0.75 U</b>	0.34 U	0.28 U	0.31 U	0.30 U	0.31 U	0.29 U
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.33	0.75 U	0.34 U	0.28 U	0.05 J	0.30 U	0.31 U	0.29 U
Pyrene	<b>1,000</b>	0.33	0.75 U	0.34 U	0.28 U	0.24 J	0.30 U	0.16 J	0.29 U
2-Methylnaphthalene	<b>80</b>	0.33	0.75 U	0.34 U	0.28 U	0.31 U	0.30 U	0.31 U	0.29 U
DILUTION FACTOR:		2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:		5/5/2010	5/5/2010	5/5/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010
DATE EXTRACTED:		5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010
DATE ANALYZED:		5/19/2010	5/19/2010	5/20/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010
SAMPLE WEIGHT (GRAMS):		25.5	25.9	25.4	25.2	26	25.3	25.2	25.2
% MOISTURE:		30.7	23.8	8.2	14.9	15.2	16.4	9.2	

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MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25658  
LABORATORY: PEL/MITKEM LABORATORIES

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	D25668		D25667		D25670	
	P-015-SB-10D		P-015-SB-10F		P-015-SB-20F	
	251585117		251585118		251585119	
COMPOUND	S-1	RL				
Acenaphthene	<b>1,000</b>	0.33	0.35 U	0.30 U	0.29 U	
Fluoranthene	<b>1,000</b>	0.33	0.35 U	0.30 U	0.29 U	
Naphthalene	<b>40</b>	0.33	0.35 U	0.30 U	0.29 U	
Benzo(a)anthracene	<b>7</b>	0.33	0.35 U	0.30 U	0.29 U	
Benzo(a)pyrene	<b>2</b>	0.33	0.35 U	0.30 U	0.29 U	
Benzo(b)fluoranthene	<b>7</b>	0.33	0.35 U	0.30 U	0.29 U	
Benzo(k)fluoranthene	<b>70</b>	0.33	0.35 U	0.30 U	0.29 U	
Chrysene	<b>70</b>	0.33	0.35 U	0.30 U	0.29 U	
Acenaphthylene	<b>600</b>	0.33	0.35 U	0.30 U	0.29 U	
Anthracene	<b>1,000</b>	0.33	0.35 U	0.30 U	0.29 U	
Benzo(g,h,i)perylene	<b>1,000</b>	0.33	0.35 U	0.30 U	0.29 U	
Fluorene	<b>1,000</b>	0.33	0.35 U	0.30 U	0.29 U	
Phenanthrene	<b>500</b>	0.33	0.35 U	0.30 U	0.29 U	
Dibenzo(a,h)anthracene	<b>0.7</b>	0.33	0.35 U	0.30 U	0.29 U	
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.33	0.35 U	0.30 U	0.29 U	
Pyrene	<b>1,000</b>	0.33	0.35 U	0.30 U	0.29 U	
2-Methylnaphthalene	<b>80</b>	0.33	0.35 U	0.30 U	0.29 U	
DILUTION FACTOR:			1.0	1.0	1.0	
DATE SAMPLED:			5/4/2010	5/4/2010	5/4/2010	
DATE EXTRACTED:			5/14/2010	5/14/2010	5/14/2010	
DATE ANALYZED:			5/19/2010	5/18/2010	5/19/2010	
SAMPLE WEIGHT (GRAMS):			25.2	25.1	25.15	
% MOISTURE:			24.8	13.4	8.7	

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MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25605  
LABORATORY: PEL/MITKEM LABORATORIES

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

SAMPLE NUMBER:		D25605	D25606	D25608	D25607	D25643	D25644	D25645	
SAMPLE LOCATION:		P-015-SB-01A	P-015-SB-01B	P-015-SB-01D	P-015-SB-01F	P-015-SB-02A	P-015-SB-02B	P-015-SB-02D	
LABORATORY NUMBER:		251584801	251584802	251584803	251584804	251584805	251584806	251584807	
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
Aroclor-1016	2	0.033	0.025 U	0.023 U	0.023 U	0.025 U	0.026 U	0.023 U	0.026 U
Aroclor-1221	2	0.033	0.025 U	0.023 U	0.023 U	0.025 U	0.026 U	0.023 U	0.026 U
Aroclor-1232	2	0.033	0.025 U	0.023 U	0.023 U	0.025 U	0.026 U	0.023 U	0.026 U
Aroclor-1242	2	0.033	0.025 U	0.023 U	0.023 U	0.025 U	0.026 U	0.023 U	0.026 U
Aroclor-1248	2	0.033	0.025 U	0.023 U	0.023 U	0.025 U	0.026 U	0.023 U	0.026 U
Aroclor-1254	2	0.033	0.066	0.023 U	0.008 J	0.013 J	0.026 U	0.023 U	0.010 J
Aroclor-1260	2	0.033	0.069	0.068	0.023 U	0.025 U	0.210	0.070	0.026 U
Aroclor-1262	2	0.033	0.025 U	0.023 U	0.023 U	0.025 U	0.026 U	0.023 U	0.026 U
Aroclor-1268	2	0.033	0.025 U	0.023 U	0.023 U	0.025 U	0.026 U	0.023 U	0.026 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	<b>0.135</b>	<b>0.068</b>	<b>0.008 J</b>	<b>0.013 J</b>	<b>0.210</b>	<b>0.070</b>	<b>0.010 J</b>
DILUTION FACTOR:		1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:		5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010
DATE EXTRACTED:		5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010
DATE ANALYZED:		5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010
% MOISTURE:		14	9	16	14	16	8	19	

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mg/kg = MILLIGRAMS PER KILOGRAM  
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BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
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MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25605  
LABORATORY: PEL/MITKEM LABORATORIES

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

SAMPLE NUMBER:	D25647	D25610	D25611	D25613	D25612	D25648	D25649		
SAMPLE LOCATION:	P-015-SB-02F	P-015-SB-03A	P-015-SB-03B	P-015-SB-03D	P-015-SB-03F	P-015-SB-04A	P-015-SB-04B		
LABORATORY NUMBER:	251584808	251584809	251584810	251584811	251584812	251584813	251584814		
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
Aroclor-1016	2	0.033	0.024 U	0.026 U	0.024 U	0.028 U	0.024 U	0.024 U	0.024 U
Aroclor-1221	2	0.033	0.024 U	0.026 U	0.024 U	0.028 U	0.024 U	0.024 U	0.024 U
Aroclor-1232	2	0.033	0.024 U	0.026 U	0.024 U	0.028 U	0.024 U	0.024 U	0.024 U
Aroclor-1242	2	0.033	0.024 U	0.026 U	0.024 U	0.028 U	0.024 U	0.024 U	0.024 U
Aroclor-1248	2	0.033	0.024 U	0.026 U	0.024 U	0.028 U	0.024 U	0.024 U	0.024 U
Aroclor-1254	2	0.033	0.024 U	0.026 U	0.024 U	0.010 J	0.024 U	0.024 U	0.024 U
Aroclor-1260	2	0.033	0.024 U	0.130	0.044	0.028 U	0.008 J	0.100	0.021 J
Aroclor-1262	2	0.033	0.024 U	0.026 U	0.024 U	0.028 U	0.024 U	0.024 U	0.024 U
Aroclor-1268	2	0.033	0.024 U	0.026 U	0.024 U	0.028 U	0.024 U	0.024 U	0.024 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	<b>0.024 U</b>	<b>0.130</b>	<b>0.044</b>	<b>0.010 J</b>	<b>0.008 J</b>	<b>0.100</b>	<b>0.021 J</b>
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:		5/4/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/4/2010	5/4/2010	5/4/2010
DATE EXTRACTED:		5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010
DATE ANALYZED:		5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/23/2010	5/23/2010	5/23/2010	5/23/2010
% MOISTURE:		9	15	10	20.9	9.8	11.3	12.1	

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

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MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25605  
LABORATORY: PEL/MITKEM LABORATORIES

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

SAMPLE NUMBER:		D25651	D25650	D25653	D25654	D25656	D25655	
SAMPLE LOCATION:		P-015-SB-04D	P-015-SB-04F	P-015-SB-05A	P-015-SB-05B	P-015-SB-05D	P-015-SB-05F	
LABORATORY NUMBER:		251584815	251584816	251584817	251584818	251584819	251584820	
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>						
Aroclor-1016	2	0.033	0.028 U	0.024 U	0.024 U	0.023 U	0.030 U	0.022 U
Aroclor-1221	2	0.033	0.028 U	0.024 U	0.024 U	0.023 U	0.030 U	0.022 U
Aroclor-1232	2	0.033	0.028 U	0.024 U	0.024 U	0.023 U	0.030 U	0.022 U
Aroclor-1242	2	0.033	0.028 U	0.024 U	0.024 U	0.023 U	0.030 U	0.022 U
Aroclor-1248	2	0.033	0.028 U	0.024 U	0.024 U	0.023 U	0.030 U	0.022 U
Aroclor-1254	2	0.033	0.028 U	0.024 U	0.024 U	0.023 U	0.030 U	0.022 U
Aroclor-1260	2	0.033	0.028 U	0.024 U	0.150	0.020 J	0.030 U	0.022 U
Aroclor-1262	2	0.033	0.028 U	0.024 U	0.024 U	0.023 U	0.030 U	0.022 U
Aroclor-1268	2	0.033	0.028 U	0.024 U	0.024 U	0.023 U	0.030 U	0.022 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	<b>0.028 U</b>	<b>0.024 U</b>	<b>0.150</b>	<b>0.020 J</b>	<b>0.030 U</b>	<b>0.022 U</b>
DILUTION FACTOR:		1.0	1.0	1.0	1.0	1.0	1	
DATE SAMPLED:		5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	
DATE EXTRACTED:		5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	
DATE ANALYZED:		5/23/2010	5/23/2010	5/23/2010	5/23/2010	5/23/2010	5/23/2010	
% MOISTURE:		24	9	13	7.8	26	7.1	

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\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25658  
LABORATORY: PEL/MITKEM LABORATORIES

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

SAMPLE NUMBER:		D25658	D25659	D25661	D25660	D25830	D25831	D25832	
SAMPLE LOCATION:		P-015-SB-06A	P-015-SB-06B	P-015-SB-06D	P-015-SB-06F	P-015-SB-07A	P-015-SB-07B	P-015-SB-07D	
LABORATORY NUMBER:		251585101	251585102	251585105	251585106	251585107	251585108	251585109	
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
Aroclor-1016	2	0.033	0.026 U	0.023 U	0.027 U	0.023 U	0.025 U	0.025 U	0.025 U
Aroclor-1221	2	0.033	0.026 U	0.023 U	0.027 U	0.023 U	0.025 U	0.025 U	0.025 U
Aroclor-1232	2	0.033	0.026 U	0.023 U	0.027 U	0.023 U	0.025 U	0.025 U	0.025 U
Aroclor-1242	2	0.033	0.026 U	0.023 U	0.027 U	0.023 U	0.025 U	0.025 U	0.025 U
Aroclor-1248	2	0.033	0.026 U	0.023 U	0.027 U	0.023 U	0.025 U	0.025 U	0.025 U
Aroclor-1254	2	0.033	0.026 U	0.023 U	0.011 J	0.023 U	0.025 U	0.025 U	0.025 U
Aroclor-1260	2	0.033	0.230	0.027	0.027 U	0.037	0.031	0.045	0.025 U
Aroclor-1262	2	0.033	0.026 U	0.023 U	0.027 U	0.023 U	0.025 U	0.025 U	0.025 U
Aroclor-1268	2	0.033	0.026 U	0.023 U	0.027 U	0.023 U	0.025 U	0.025 U	0.025 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	<b>0.230</b>	<b>0.027</b>	<b>0.011 J</b>	<b>0.037</b>	<b>0.031</b>	<b>0.045</b>	<b>0.025 U</b>
DILUTION FACTOR:		1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:		5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010
DATE EXTRACTED:		5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010
DATE ANALYZED:		5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010
% MOISTURE:		15	8	17.7	8.4	15.4	16.2	14.3	

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

RL = REPORTING LIMIT

U = VALUE IS NOT DETECTED.

UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.

J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25658  
LABORATORY: PEL/MITKEM LABORATORIES

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

SAMPLE NUMBER:	D25834	D25835	D25836	D25663	D25664	DD25665	D25666
SAMPLE LOCATION:	P-015-SB-08A	P-015-SB-08B	P-015-SB-08D	P-015-SB-09A	P-015-SB-09B	P-015-SB-10A	P-015-SB-10B
LABORATORY NUMBER:	251585110	251585111	251585112	251585113	251585114	251585115	251585116

ORGANIC ANALYTES	S-1	RL							
Aroclor-1016	2	0.033	0.031 U	0.027 U	0.023 U	0.025 U	0.025 U	0.026 U	0.024 U
Aroclor-1221	2	0.033	0.031 U	0.027 U	0.023 U	0.025 U	0.025 U	0.026 U	0.024 U
Aroclor-1232	2	0.033	0.031 U	0.027 U	0.023 U	0.025 U	0.025 U	0.026 U	0.024 U
Aroclor-1242	2	0.033	0.031 U	0.027 U	0.023 U	0.025 U	0.025 U	0.026 U	0.024 U
Aroclor-1248	2	0.033	0.031 U	0.027 U	0.023 U	0.025 U	0.025 U	0.026 U	0.024 U
Aroclor-1254	2	0.033	0.050	0.027 U	0.023 U	0.025 U	0.025 U	0.033 J	0.024 U
Aroclor-1260	2	0.033	0.031 U	0.027 U	0.023 U	0.061	0.020 J	0.045	0.019 J
Aroclor-1262	2	0.033	0.031 U	0.027 U	0.023 U	0.025 U	0.025 U	0.026 U	0.024 U
Aroclor-1268	2	0.033	0.031 U	0.027 U	0.023 U	0.025 U	0.025 U	0.026 U	0.024 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	<b>0.050</b>	<b>0.027 U</b>	<b>0.023 U</b>	<b>0.061</b>	<b>0.020 J</b>	<b>0.078 J</b>	<b>0.019 J</b>

DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:	5/5/2010	5/5/2010	5/5/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010
DATE EXTRACTED:	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010
DATE ANALYZED:	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010
% MOISTURE:	30.7	23.8	8.2	14.9	15.2	16.4	9.2

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

RL = REPORTING LIMIT

U = VALUE IS NOT DETECTED.

UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.

J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D25658  
LABORATORY: PEL/MITKEM LABORATORIES

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

		D25668	D25667	D25670	
SAMPLE NUMBER:		P-015-SB-10D	P-015-SB-10F	P-015-SB-20F	
SAMPLE LOCATION:		251585117	251585118	251585119	
LABORATORY NUMBER:					
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>			
Aroclor-1016	2	0.033	0.028 U	0.024 U	0.023 U
Aroclor-1221	2	0.033	0.028 U	0.024 U	0.023 U
Aroclor-1232	2	0.033	0.028 U	0.024 U	0.023 U
Aroclor-1242	2	0.033	0.028 U	0.024 U	0.023 U
Aroclor-1248	2	0.033	0.028 U	0.024 U	0.023 U
Aroclor-1254	2	0.033	0.028 U	0.024 U	0.023 U
Aroclor-1260	2	0.033	0.028 U	0.024 U	0.038
Aroclor-1262	2	0.033	0.028 U	0.024 U	0.023 U
Aroclor-1268	2	0.033	0.028 U	0.024 U	0.023 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	<b>0.028 U</b>	<b>0.024 U</b>	<b>0.038</b>

DILUTION FACTOR:	1.0	1.0	1.0
DATE SAMPLED:	5/4/2010	5/4/2010	5/4/2010
DATE EXTRACTED:	5/14/2010	5/14/2010	5/14/2010
DATE ANALYZED:	5/19/2010	5/19/2010	5/19/2010
% MOISTURE:	24.8	13.4	8.7

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

Data Summary Table 3  
Metals in Soil Analysis  
mg/Kg

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077 SDG No.: MA2113  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number: MA2113 Sample Location: PEIS0377 Laboratory Sample ID: B2233-01			MA2113 PEIS0377 B2233-01	MA2332 P015SB01A B2233-02	MA2333 P015SB01B B2233-03	MA2334 P015SB01D B2233-04	MA2336 P015SB01F B2233-05	MA2350 P015SB03A B2233-06	MA2351 P015SB03B B2233-07	MA2352 P015SB03D B2233-08	MA2354 P015SB03F B2233-09	MA23E1 P015SB02A B2233-11	
Analyte	S-1 (mg/Kg)	MDL (mg/Kg)											CRQL mg/Kg
VALIDATED RESULTS:													
Arsenic	20	0.30	16.5	2.9	1.2	0.48 J	1.6	2.4	1.9	3.7	1.5	3.8	1.0
Barium	1000	3.5	5.9 J	21.8	14.2 J	12.4 J	17.6	20.5	15.9 J	24.4	14.5 J	18.3	20
Cadmium	2.0	0.083	12.5	0.41 U	0.37 U	0.38 U	0.39 U	0.45 U	0.41 U	0.43 U	0.44 U	0.40 U	0.50
Chromium	30	0.026	4.8	8.8	8.3	6.3	11.7	9.6	8.7	7.9	8.9	9.2	1.0
Lead	300	0.22	4.5	77.5	8.0	2.8	16.8	56.3	18.2	27.7	5.3	60.9	1.0
NOT VALIDATED RESULTS:													
Aluminum		1.3	2950	6880	5500	3260	6020	7800	6870	6030	6740	8690	20
Calcium		1.4	966	605	561	528	507	566	425	454	366 J	299 J	500
Iron		2.2	3850	7460	8500	3690	10500	8830	8040	7610	8230	8150	10
Magnesium		2.1	327 J	1090	1740	1090	1830	1130	1530	1170	1460	784	500
Date Sampled:			5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/3/2010	5/4/2010	
Sample Number: MA23E2 Sample Location: P015SB02B Laboratory Sample ID: B2233-12			MA23E2 P015SB02B B2233-12	MA23E3 P015SB21B B2233-15	MA23E4 P015SB02D B2233-16	MA23E6 P015SB02F B2233-17	MA23F5 P015SB04A B2233-18	MA23F6 P015SB04B B2233-19	MA23F7 P015SB04D B2233-20	MA23F9 P015SB04F B2233-21	MA23G0 P015SB05A B2233-22	MA23G1 P015SB05B B2233-23	
Analyte	S-1 (mg/Kg)	MDL (mg/Kg)											CRQL mg/Kg
VALIDATED RESULTS:													
Arsenic	20	0.30	1.6	2.1	2.1	1.4	1.9	2.1	2.0	2.9	2.4	1.4	1.0
Barium	1000	3.5	13.7 J	30.9	15.0 J	16.8 J	11.6 J	12.6 J	12.5 J	32.2	15.7 J	13.1 J	20
Cadmium	2.0	0.083	0.55 U	0.38 U	0.45 U	0.43 U	0.39 U	0.42 U	0.47 U	0.40 U	0.43 U	0.41 U	0.50
Chromium	30	0.026	7.5	8.2	9.2	8.3	6.6	8.1	4.6	6.5	7.4	6.6	1.0
Lead	300	0.22	7.8	10.2	14.7	7.5	25.7	23.3	4.8	23.8	40.7	7.1	1.0
NOT VALIDATED RESULTS:													
Aluminum		1.3	5400	5400	8650	5530	4630	8340	5160	4910	6740	4980	20
Calcium		1.4	345 J	351 J	338 J	453	457	354 J	283 J	683	377 J	468	500
Iron		2.2	6610	9860	9290	6760	6120	8540	5630	8050	8140	6490	10
Magnesium		2.1	1380	1260	1480	1430	1140	981	782	1310	943	1330	500
Date Sampled:			5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010	
Method: P – ICP-AES			Qualifiers: J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected. Note: Bolded and shaded values exceed Massachusetts Contingency Plan (MCP) S-1 standards.										

Data Summary Table 3  
Metals in Soil/Water Analysis  
mg/Kg – µg/L

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077      SDG No.: MA2113  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number:			MA23G2	MA23G4								
Sample Location:			P015SB05D	P015SB05F								
Laboratory Sample ID:			B2233-24	B2233-25								
Analyte	S-1 (mg/Kg)	MDL (mg/Kg)										CRQL mg/Kg
VALIDATED RESULTS:												
Arsenic	20	0.30	2.4	1.2								1.0
Barium	1000	3.5	13.8 J	11.3 J								20
Cadmium	2.0	0.083	0.51 U	0.41 U								0.50
Chromium	30	0.026	6.3	6.7								1.0
Lead	300	0.22	101	3.5								1.0
NOT VALIDATED RESULTS:												
Aluminum		1.3	7850	4400								20
Calcium		1.4	271 J	416								500
Iron		2.2	8450	6400								10
Magnesium		2.1	713	1170								500
Date Sampled:			5/4/2010	5/4/2010								
Sample Number:			MA2362									
Sample Location:			RB-27									
Laboratory Sample ID:			B2233-10									
Analyte	Method	MDL (µg/L)										CRQL µg/L
VALIDATED RESULTS:												
Arsenic	P	3.3	10.0 U									10
Barium	P	2.4	200 U									200
Cadmium	P	0.13	5.0 U									5
Chromium	P	0.52	10.0 UJ									10
Lead	P	2.3	10.0 U									10
NOT VALIDATED RESULTS:												
Aluminum	P	5.6	200 U									200
Calcium	P	13.7	5000 U									5000
Iron	P	8.4	100 U									100
Magnesium	P	28.5	5000 U									5000
Date Sampled:			5/3/2010									
Method: P – ICP-AES			Qualifiers:      J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected.									

Prepared by Shaw, EPA Contract Number EP-W-06-005, Task Order Number 4018, Region I Metals Data Validation, June 9, 2010. Modified by Weston Solutions, Inc., Superfund Technical Assessment and Response Team (START), EPA Contract Number EP-W-05-042, August 27, 2010. START modifications include adding the S-1 standards and amending the title and footers.

Data Summary Table 3  
Metals in Soil Analysis  
mg/Kg

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077 SDG No.: MA2120  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number: Sample Location: Laboratory Sample ID:			MA2120 PEIS6337 B2234-01	MA2384 P015SB06A B2234-02	MA2385 P015SB06B B2234-03	MA2386 P015SB06D B2234-06	MA2388 P015SB06F B2234-07	MA2389 P015SB20F B2234-08	MA2390 P015SB09A B2234-09	MA2391 P015SB09B B2234-10	MA2392 P015SB10A B2234-11	MA2393 P015SB10B B2234-12	
Analyte	S-1 (mg/Kg)	MDL (mg/Kg)											CRQL mg/Kg
VALIDATED RESULTS:													
Arsenic	20	0.30	10.2	2.1	1.2	1.9	1.0	0.99	2.5	2.2	2.5	1.4	1.0
Barium	1000	3.5	296	17.5	10.7 J	16.2 J	12.9 J	12.3 J	19.7	14.9 J	21.0	14.7 J	20
Cadmium	2.0	0.083	0.50 U	0.43 U	0.54 U	0.43 U	0.37 U	0.41 U	0.44 U	0.44 U	0.45 U	0.39 U	0.50
Chromium	30	0.026	14.2	9.0	7.5	7.2	9.3	7.1	8.2	7.8	9.6	8.6	1.0
Lead	300	0.22	9.6	52.2	6.3	7.5	5.9	6.0	42.6	20.9	58.8	15.7	1.0
NOT VALIDATED RESULTS:													
Aluminum		1.3	3610	7610	4610	6040	4330	4090	7850	7490	7740	5370	20
Calcium		1.4	8410	551	495 J	315 J	520	450	288 J	193 J	776	466	500
Iron		2.2	2630	8660	6090	6670	6060	5630	7970	9800	9190	6880	10
Magnesium		2.1	306 J	1170	1370	1020	1210	1110	879	1050	1300	1390	500
Date Sampled:			5/03/2010	5/04/2010	5/04/2010	5/04/2010	5/04/2010	5/04/2010	5/04/2010	5/04/2010	5/04/2010	5/04/2010	
Sample Number: Sample Location: Laboratory Sample ID:			MA23A3 P015SB10D B2234-13	MA23A5 P015SB10F B2234-14	MA23M7 P015SB08D B2234-16	MA23M9 P015SB07A B2234-17	MA23N0 P015SB07B B2234-18	MA23N1 P015SB07D B2234-19	MA23P4 P015SB08A B2234-20	MA23P5 P015SB08B B2234-21			
Analyte	S-1 (mg/Kg)	MDL (mg/Kg)											CRQL mg/Kg
VALIDATED RESULTS:													
Arsenic	20	0.30	2.3	1.5	1.4	3.1	3.2	2.3	3.0	2.3			1.0
Barium	1000	3.5	14.9 J	10.8 J	7.2 J	34.7	24.4	12.2 J	19.3 J	22.2			20
Cadmium	2.0	0.083	0.51 U	0.43 U	0.38 U	0.44 U	0.44 U	0.44 U	0.53 U	0.45 U			0.50
Chromium	30	0.026	9.5	7.8	5.8	21.7	10	9.5	7.3	9.9			1.0
Lead	300	0.22	16.7	3.2	3.0	44.4	76.5	11.6	109	85.2			1.0
NOT VALIDATED RESULTS:													
Aluminum		1.3	9050	5760	3940	8670	7620	8000	3510	9150			20
Calcium		1.4	145 J	189 J	175 J	592	372 J	127 J	560	158 J			500
Iron		2.2	9460	6890	6210	10300	7560	8730	7010	10300			10
Magnesium		2.1	961	1160	946	2390	855	1390	337 J	1210			500
Date Sampled:			5/04/2010	5/04/2010	5/05/2010	5/05/2010	5/05/2010	5/05/2010	5/05/2010	5/05/2010			
Method: – ICP-AES			Qualifiers: J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected. Note: Bolded and shaded values exceed Massachusetts Contingency Plan (MCP) S-1 standards.										

Data Summary, Table 3  
Metals in Soil/Water Analysis  
ug/L

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077      SDG No.: MA2120  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number: MA23K0													
Sample Location: RB-33													
Laboratory Sample ID: B2234-15													
Analyte	Method	MDL (µg/L)											CRQL mg/Kg
VALIDATED RESULTS:													
Arsenic	P	3.3	10.0 U										1.0
Barium	P	2.4	200 U										20
Cadmium	P	0.13	5.0 U										0.50
Chromium	P	0.52	10.0 UJ										1.0
Lead	P	2.3	10.0 U										1.0
NOT VALIDATED RESULTS:													
Aluminum	P	5.6	8.4 J										20
Calcium	P	13.7	28.2 J										500
Iron	P	8.4	54.6 J										10
Magnesium	P	28.5	5000 U										500
Date Sampled:			5/04/2010										
Method: P- ICP-AES			Qualifiers:      J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected.										

Prepared by Shaw, EPA Contract Number EP-W-06-005, Task Order Number 4018, Region I Metals Data Validation, June 9, 2010. Modified by Weston Solutions, Inc., Superfund Technical Assessment and Response Team (START), EPA Contract Number EP-W-05-042, August 27, 2010. START modifications include adding the S-1 standards and amending the title and footers.

**REMOVAL PROGRAM  
SITE INVESTIGATION SUMMARY REPORT  
FOR THE  
PARKER STREET WASTE SITE PROPERTIES  
NEW BEDFORD, BRISTOL COUNTY, MASSACHUSETTS  
26 APRIL 2010 THROUGH 8 JUNE 2010**

**(P-022)  
DC NO. R-6273**

Prepared for:

U.S. Environmental Protection Agency  
Region I  
Emergency Planning and Response Branch  
5 Post Office Square, Suite 100  
Boston, MA 02109-3912

Submitted by:

Weston Solutions, Inc.  
Region I  
Superfund Technical Assessment and Response Team III (START)  
3 Riverside Drive  
Andover, MA 01810

August 2010

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Table 2 - Data Summary Table, Polychlorinated Biphenyls (PCB) Soil Analysis

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## **1.0 INTRODUCTION**

Weston Solutions, Inc. (WESTON) was tasked to provide technical support to U.S. Environmental Protection Agency (EPA) Region I with a Site Investigation (SI) at the Parker Street Waste Site (the site), located in New Bedford, Bristol County, Massachusetts (see Attachment A, Figure 1). The SI included conducting soil sampling activities at several residential, commercial, and private properties located along the periphery of the site. The sampling was conducted to assist the Massachusetts Department of Environmental Protection (MassDEP) and the City of New Bedford with defining the nature and extent of the site (*i.e.* extent of the landfill); determining whether there is an immediate risk to public health, safety, or the environment related to contamination from the site; determining whether site conditions warrant further action pursuant to applicable state and federal regulations; and identifying any additional data gaps.

## **2.0 SITE DESCRIPTION**

The Parker Street Waste Site (the site) is an approximately 105-acre site located in New Bedford, Bristol County, Massachusetts. In 2000, during an environmental due diligence investigation of the former McCoy Field as a possible location for the new Keith Middle School (KMS), polychlorinated biphenyl (PCB) levels above regulatory reporting limits were detected in soil. After reviewing data and information collected during subsequent investigations conducted by the City of New Bedford, and in an effort to assist MassDEP and the City of New Bedford in expediting the assessment of the Parker Street Waste Site, EPA and MassDEP, in consultation with the City of New Bedford and community leaders, identified 11 specific areas where further investigation was warranted to define the boundary of the site.

The property is an approximately 0.49-acre parcel which encompasses a . The property is bordered by residential properties to the north and west, Hathaway Boulevard to the east, and Parker Street to the south. The property features include the building, a paved parking lot and walkways, a shed, and a storage box. The property is bordered by a wooden fence to the north and west (see Attachment A, Figure 2).

## **3.0 NARRATIVE CHRONOLOGY**

On May 10, 2010, EPA and its contractors accessed the property (the property) to advance soil borings and subsequently collect soil samples from the borings. Sampling design and soil sampling activities conducted as part of the Parker Street Waste SI were conducted in accordance with the site-specific Sampling and Analysis Plan (SAP), which was approved by EPA and MassDEP, in consultation with various community leaders. The SAP was prepared as a separate document, entitled *Sampling and Analysis Plan for the Parker Street Waste Site, New Bedford, Bristol County, Massachusetts*, dated April 2010. Site activities were also conducted in accordance with health and safety requirements outlined in the site-specific Health and Safety Plan (HASP), entitled *Health and Safety Plan for the Parker Street Waste Site, New Bedford, Bristol County, Massachusetts*, dated April 2010.

A grid system consisting of approximately 25-foot (ft) by 25-ft grid cells was established on the property, resulting in 19 soil boring locations (P-022-SB-01 through P-022-SB-19) at intersecting

grid nodes. Subsequently, a total of 96 samples were collected and submitted for PCBs, polycyclic aromatic hydrocarbons (PAH), and metals analyses. This total sample number includes quality control (QC) samples [field duplicate, matrix spike/matrix spike duplicate (MS/MSD), rinsate blank, and performance evaluation samples]. All sample locations are prefaced with the property code designation “P-022”. The samples designated as SB-25 (or higher) indicate field duplicate samples.

A Trimble Pathfinder Global Positioning System (GPS) unit was used to record the geographic coordinates of soil boring locations. Boring locations are depicted in Figure 2.

Soil samples designated with an “A” were collected from the 0- to 1-foot below ground surface (bgs) interval; with a “B” from the 1- to 3-foot bgs interval; with a “C” from anthropogenic fill (*i.e.*, ash, slag) found below the 3 foot interval; and with a “D” from the top of native soil encountered below the fill material. In situations where anthropogenic fill was not encountered, but natural fill was encountered, a sample was collected from natural fill material and designated as “F”. Samples were also collected from the bottom interval of the native soil, designated as “E”, and stored pending analytical results from the “D” sample. See Attachment A, Figure 3 for soil sample designations.

The soil samples, along with the appropriate number of QC samples, were sent to a Delivery of Analytical Services (DAS) laboratory for PCB and PAH analyses and to a Contract Laboratory Program (CLP) laboratory for metals analyses. Analytical results are included in Attachment B, Tables 1, 2, and 3 and are discussed in Section 4.0 below.

#### **4.0 ANALYTICAL RESULTS**

##### **Polycyclic Aromatic Hydrocarbons (PAHs)**

Seventeen PAHs were detected in the soil samples collected from the property. Five of these PAHs [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene] exceeded the applicable Massachusetts Contingency Plan (MCP) Method 1 S-1 standards. Category S-1 soils are associated with the highest potential for human exposure and the standards are based on a residential exposure scenario in which the potential receptor may come into contact with the contaminated soil. The S-1 soil standards consider incidental ingestion of the soil, dermal contact with the soil, and ingestion of produce grown in the soil. See Appendix B, Data Summary Table 1. The PAH compounds are listed on the left, and the MCP Method 1 S-1 standards are listed in bold type in the next column. Sample numbers and sample locations are listed in the column headers. Concentrations of PAHs exceeding the MCP standards are shown in bold type and are shaded. QC samples results are not shown in Table 1.

##### **Polychlorinated Biphenyls (PCBs)**

Four PCB Aroclors were detected in the soil samples collected from the property. One Aroclor (1254) exceeded the MCP Method 1 S-1 standard. No other individual or total PCB Aroclors exceeded the MCP Method 1 S-1 standard. See Appendix B, Data Summary Table 2. PCBs are listed on the left, and the MCP Method 1 S-1 standards are listed in bold type in the next column. Sample numbers and sample locations are listed in the column headers. Concentrations of PCBs

exceeding the MCP standards are shown in bold type and are shaded. QC samples results are not shown in Table 2.

### **Metals**

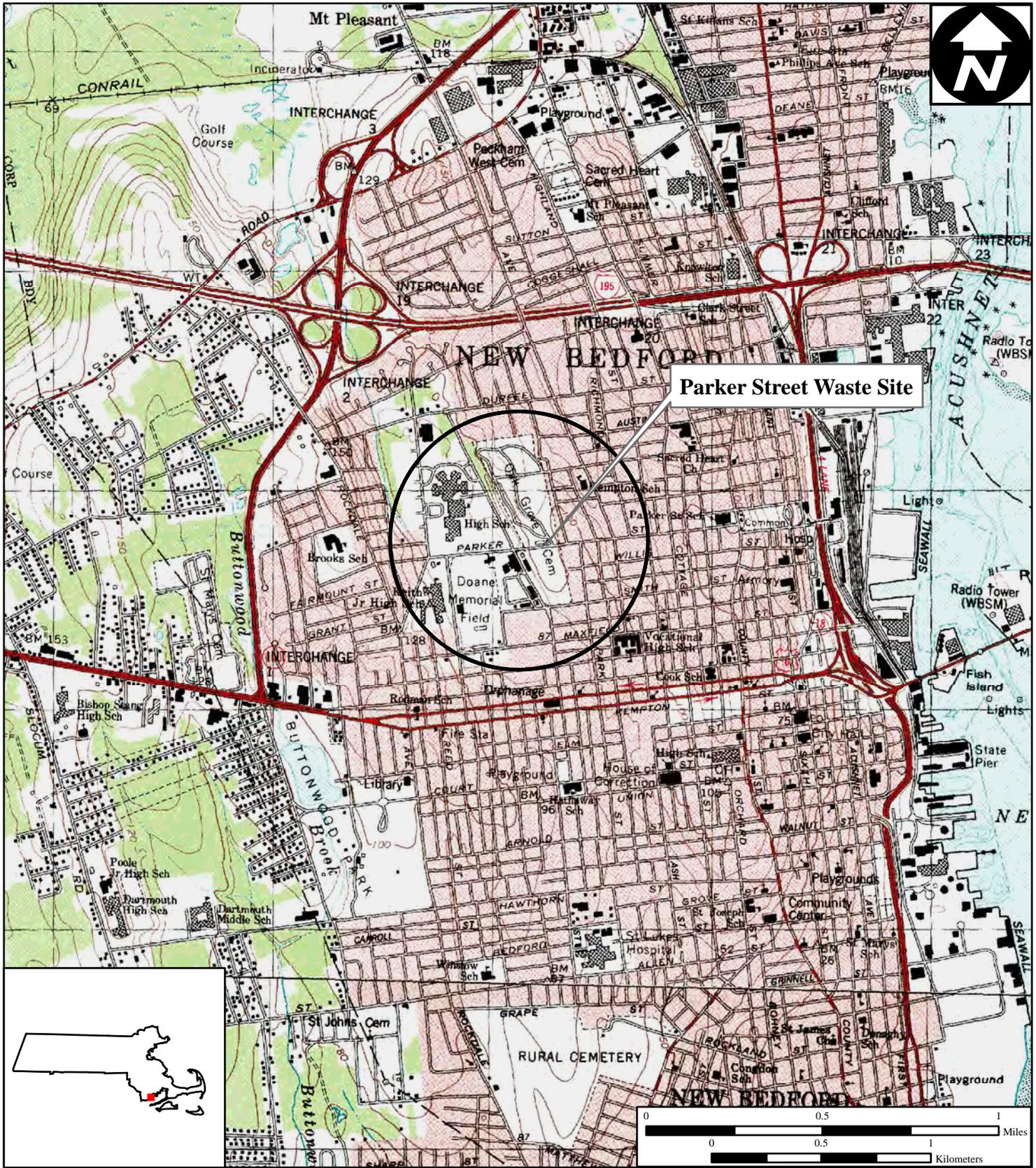
Five metals (arsenic, barium, cadmium, chromium, and lead) were detected in the soil samples collected from the property. Four of these metals (arsenic, cadmium, chromium, and lead) exceeded MCP Method 1 S-1 standards. See Appendix B, Summary Table 3. Metals are listed on the left, and the MCP Method 1 S-1 standards are listed in the third column from the left. Sample numbers and sample locations are listed in the column headers. Concentrations of metals exceeding the MCP standards are bolded and shaded. QC samples results for performance evaluation (PE) samples and rinsate blank (RB) samples are shown in Table 3.

**Attachment A**  
**(Figures)**

Figure 1 - Site Location Map

Figure 2 - Soil Boring Location Map

Figure 3 - Soil Sample Designations



**Figure 1**

**Site Location Map**

**Parker Street Waste Site  
New Bedford, Massachusetts**

**EPA Region I  
Superfund Technical Assessment and  
Response Team (START) III  
Contract No. EP-W-05-042**

TDD Number: 09-10-0001  
 Created by: T. Benton  
 Created on: 8 June 2010  
 Modified by: T. Benton  
 Modified on: 8 June 2010

**Data Sources:**  
 Topos: MicroPath/USGS  
 Quadrangle Name(s): L41070E8  
 All other data: START





Figure 2

(P-022)

**Soil Boring Location Map**

**Parker Street Waste Site  
New Bedford, Massachusetts**

**EPA Region I  
Superfund Technical Assessment and  
Response Team (START) III  
Contract No. EP-W-05-042**

TDD Number: 09-10-0001  
 Created by: T. Benton  
 Created on: 8 June 2010  
 Modified by: T. Benton  
 Modified on: 8 June 2010

**LEGEND**

- Soil Boring Location
- Parcel Boundary



0 12.5 25 50  
 Feet

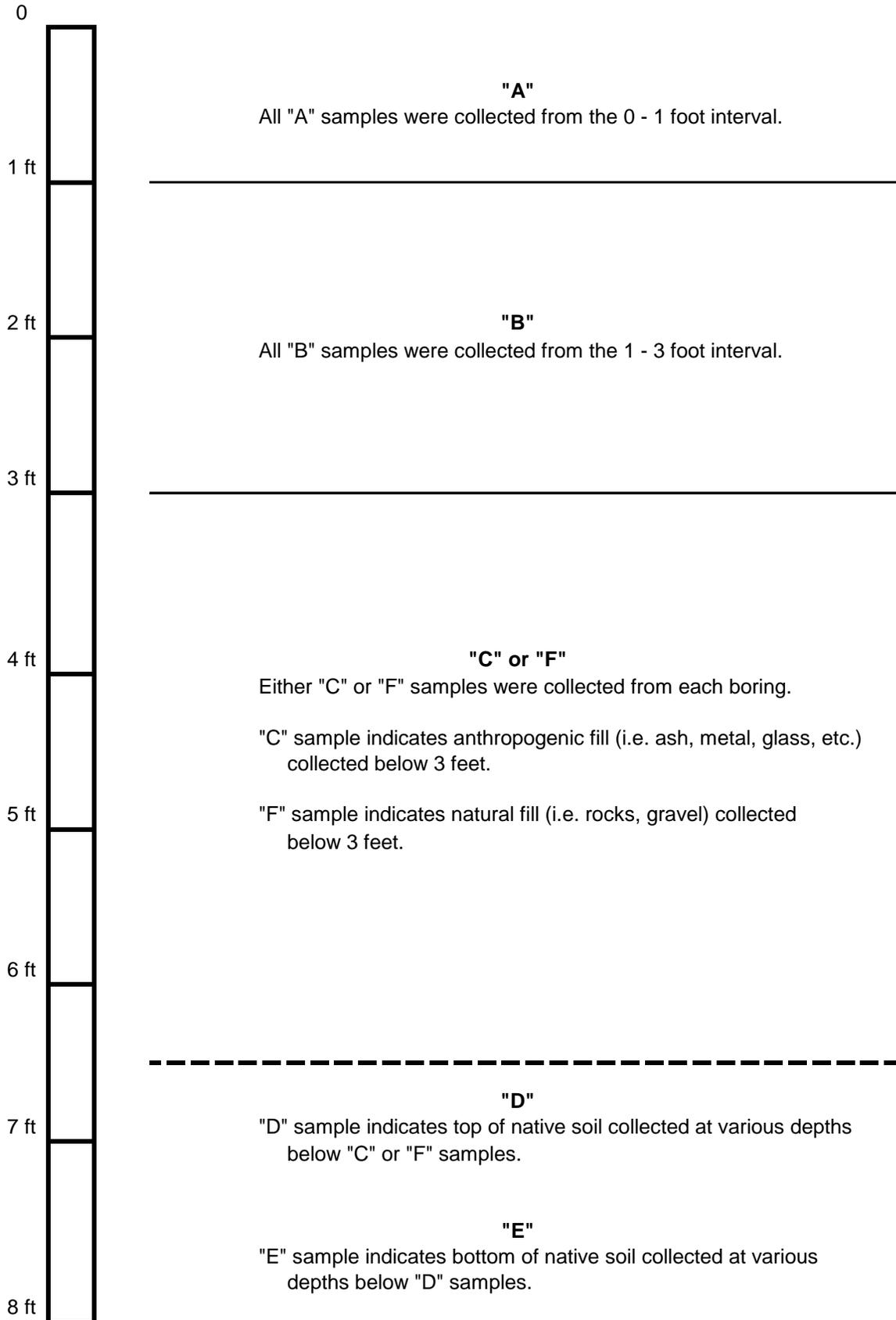
**Data Sources:**

Imagery: MassGIS (2008 Aerial - 24628210)  
 All other data: START



**FIGURE 3**

**SOIL SAMPLE DESIGNATIONS**



**Attachment B**  
**(Tables)**

Table 1 - Data Summary Table, Polycyclic Aromatic Hydrocarbon (PAH) Organic Soil Analyses

Table 2 - Data Summary Table, Polychlorinated Biphenyls (PCB) Soil Analysis

Table 3 - Data Summary Table, Metals in Soil and Metals in Soil/Water Analysis

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26256  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	SAMPLE NUMBER:	D26256	D26257	D26258	D26259	D26261	D26262	D26263	
	SAMPLE LOCATION:	P-022-SB-01A	P-022-SB-01B	P-022-SB-01C	P-022-SB-01D	P-022-SB-02A	P-022-SB-02B	P-022-SB-02C	
	LABORATORY NUMBER:	L1007071-01	L1007071-02	L1007071-03	L1007071-04	L1007071-05	L1007071-06	L1007071-07	
COMPOUND	S-1	RL							
Acenaphthene	<b>1,000</b>	0.17	0.19 U	0.39	2.0	0.19 U	0.95 U	0.22	1.1 U
Fluoranthene	<b>1,000</b>	0.17	0.84	4.6	26	0.19 U	5.7	4.5	8.2
Naphthalene	<b>40</b>	0.17	0.19 U	1.1	1.7	0.19 U	0.95 U	0.21	1.1 U
Benzo(a)anthracene	<b>7</b>	0.17	0.46	2.6	<b>10</b>	0.19 U	3.0	2.1	4.2
Benzo(a)pyrene	<b>2</b>	0.17	0.46	<b>2.2</b>	<b>8.3</b>	0.19 U	<b>2.7</b>	1.9	<b>3.7</b>
Benzo(b)fluoranthene	<b>7</b>	0.17	0.65	3.8	<b>7.6</b>	0.19 U	2.3	1.7	3.4
Benzo(k)fluoranthene	<b>70</b>	0.17	0.22	1.1	6.4	0.19 U	2.1	1.5	2.8
Chrysene	<b>70</b>	0.17	0.52	3.7	9.2	0.19 U	3.2	2.2	3.8
Acenaphthylene	<b>600</b>	0.17	0.20	1.0	1.8	0.19 U	1.4	0.77	1.1 U
Anthracene	<b>1,000</b>	0.17	0.19	1.6	6.0	0.19 U	1.4	1.1	2.2
Benzo(g,h,i)perylene	<b>1,000</b>	0.17	0.33	2.0	4.3	0.19 U	1.8	1.3	2.4
Fluorene	<b>1,000</b>	0.17	0.19 U	0.38	2.5	0.19 U	0.95 U	0.33	1.1 U
Phenanthrene	<b>500</b>	0.17	0.55	7.4	26	0.19 U	5.4	4.1	8.8
Dibenzo(a,h)anthracene	<b>0.7</b>	0.17	0.19 U	0.61	<b>1.1</b>	0.19 U	<b>0.95 U</b>	0.32	<b>1.1 U</b>
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.17	0.35	2.1	3.8	0.19 U	1.4	1.1	1.8
Pyrene	<b>1,000</b>	0.17	0.77	4.3	20	0.19 U	5.0	3.9	6.2
2-Methylnaphthalene	<b>80</b>	0.17	0.19 U	1.3	1.1	0.19 U	0.95 U	0.20 U	1.1 U
DILUTION FACTOR:		1	1	5	1	5	1	5	
DATE SAMPLED:		5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	
DATE EXTRACTED:		5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	
DATE ANALYZED:		5/24/2010	5/24/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	5/20/2010	
SAMPLE WEIGHT (GRAMS):		30.18	30.02	30.10	30.50	30.28	30.47	30.00	
% MOISTURE:		14	15	23	14	13	16	22	

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

RL = REPORTING LIMIT

U = VALUE IS NOT DETECTED.

UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.

J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26256  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	SAMPLE NUMBER:	D26264	D26266	D26267	D26268	D26269	D26306	D26307	
	SAMPLE LOCATION:	P-022-SB-02D	P-022-SB-03A	P-022-SB-03B	P-022-SB-03C	P-022-SB-03D	P-022-SB-04A	P-022-SB-04B	
	LABORATORY NUMBER:	L1007071-08	L1007071-09	L1007071-10	L1007071-11	L1007071-12	L1007071-13	L1007071-14	
COMPOUND	S-1	RL							
Acenaphthene	<b>1,000</b>	0.17	0.44 U	0.38 U	2.4	1.0 U	0.24 U	0.20 U	0.40 U
Fluoranthene	<b>1,000</b>	0.17	0.44 U	3.5	29	12	0.24 U	3.2	1.9
Naphthalene	<b>40</b>	0.17	0.44 U	0.38 U	1.9 U	1.0 U	0.24 U	0.20 U	0.40 U
Benzo(a)anthracene	<b>7</b>	0.17	0.44 U	2.8	<b>13</b>	6.2	0.24 U	1.5	1.2
Benzo(a)pyrene	<b>2</b>	0.17	0.44 U	<b>2.4</b>	<b>10</b>	<b>5.7</b>	0.24 U	1.3	1.0
Benzo(b)fluoranthene	<b>7</b>	0.17	0.44 U	2.0	<b>14</b>	<b>8.0</b>	0.24 U	1.7	1.3
Benzo(k)fluoranthene	<b>70</b>	0.17	0.44 U	1.8	5.1	3.0	0.24 U	0.54	0.52
Chrysene	<b>70</b>	0.17	0.44 U	3.3	14	6.9	0.24 U	1.6	1.3
Acenaphthylene	<b>600</b>	0.17	0.44 U	1.4	1.9 U	1.1	0.24 U	0.34	0.70
Anthracene	<b>1,000</b>	0.17	0.44 U	1.2	7.3	2.5	0.24 U	0.65	0.61
Benzo(g,h,i)perylene	<b>1,000</b>	0.17	0.44 U	1.7	6.2	3.9	0.24 U	0.93	0.83
Fluorene	<b>1,000</b>	0.17	0.44 U	0.38 U	3.5	1.2	0.24 U	0.20 U	0.40 U
Phenanthrene	<b>500</b>	0.17	0.44 U	2.8	30	9.3	0.24 U	2.3	1.3
Dibenzo(a,h)anthracene	<b>0.7</b>	0.17	0.44 U	0.48	<b>1.9</b>	<b>1.0</b>	0.24 U	0.20	0.40 U
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.17	0.44 U	1.3	<b>7.2</b>	4.1	0.24 U	0.67	0.81
Pyrene	<b>1,000</b>	0.17	0.44 U	4.3	22	9.8	0.24 U	3.1	2.0
2-Methylnaphthalene	<b>80</b>	0.17	0.44 U	0.38 U	1.9 U	1.0 U	0.24 U	0.20 U	0.40 U
DILUTION FACTOR:		2	2	10	5	1	1	2	
DATE SAMPLED:		5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/11/2010	5/11/2010	
DATE EXTRACTED:		5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	
DATE ANALYZED:		5/20/2010	5/20/2010	5/23/2010	5/23/2010	5/20/2010	5/25/2010	5/24/2010	
SAMPLE WEIGHT (GRAMS):		30.02	30.25	30.06	30.09	30.15	30.45	30.20	
% MOISTURE:		24	14	13	21	30	17	18	

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

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U = VALUE IS NOT DETECTED.

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26256  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	SAMPLE NUMBER:	D26308	D26309	D26271	D26273	D26311	D26312	D26359	
	SAMPLE LOCATION:	P-022-SB-04C	P-022-SB-04D	P-022-SB-05A	P-022-SB-05C	P-022-SB-06A	P-022-SB-06B	P-022-SB-27C	
	LABORATORY NUMBER:	L1007071-15	L1007071-16	L1007071-17	L1007071-18	L1007071-19	L1007071-20	L1007071-21	
COMPOUND	S-1	RL							
Acenaphthene	<b>1,000</b>	0.17	1.0 U	0.20 U	0.19 U	1.8 U	0.20 U	0.19 U	1.0 U
Fluoranthene	<b>1,000</b>	0.17	1.3	0.20 U	1.3	14	2.1	2.7 J	1.3
Naphthalene	<b>40</b>	0.17	1.0 U	0.20 U	0.19 U	1.8 U	0.20 U	0.19 U	1.0 U
Benzo(a)anthracene	<b>7</b>	0.17	1.0	0.20 U	0.78	<b>7.9</b>	1.2	1.5 J	1.0 U
Benzo(a)pyrene	<b>2</b>	0.17	1.4	0.20 U	0.81	<b>7.6</b>	1.2	1.5 J	1.3
Benzo(b)fluoranthene	<b>7</b>	0.17	1.8	0.20 U	1.0	<b>9.6</b>	1.6	2.0 J	1.7
Benzo(k)fluoranthene	<b>70</b>	0.17	1.0 U	0.20 U	0.36	3.5	0.64	0.66 J	1.0 U
Chrysene	<b>70</b>	0.17	1.3	0.20 U	0.83	10	1.3	1.6 J	1.2
Acenaphthylene	<b>600</b>	0.17	1.0 U	0.20 U	0.31	1.9	0.44	0.54 J	1.0 U
Anthracene	<b>1,000</b>	0.17	1.0 U	0.20 U	0.32	1.9	0.50	0.68 J	1.0 U
Benzo(g,h,i)perylene	<b>1,000</b>	0.17	1.3	0.20 U	0.53	4.8	0.77	0.93 J	1.1
Fluorene	<b>1,000</b>	0.17	1.0 U	0.20 U	0.19 U	1.8 U	0.20 U	0.19 UJ	1.0 U
Phenanthrene	<b>500</b>	0.17	1.0 U	0.20 U	0.76	8.8	1.3	1.9 J	1.0 U
Dibenzo(a,h)anthracene	<b>0.7</b>	0.17	<b>1.0 U</b>	0.20 U	0.19 U	<b>1.8 U</b>	0.22	0.29	<b>1.0 U</b>
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.17	1.1	0.20 U	0.59	5.0	0.86	1.0 J	1.1
Pyrene	<b>1,000</b>	0.17	1.7	0.20 U	1.3	16	2.0	2.5 J	1.5
2-Methylnaphthalene	<b>80</b>	0.17	1.0 U	0.20 U	0.19 U	1.8 U	0.20 U	0.19 U	1.0 U
DILUTION FACTOR:		5	1	1	10	1	1	5	
DATE SAMPLED:		5/11/2010	5/11/2010	5/10/2010	5/10/2010	5/11/2010	5/11/2010	5/11/2010	
DATE EXTRACTED:		5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	
DATE ANALYZED:		5/23/2010	5/24/2010	5/24/2010	5/23/2010	5/24/2010	5/24/2010	5/24/2010	
SAMPLE WEIGHT (GRAMS):		30.15	30.35	30.40	30.22	30.10	30.46	30.29	
% MOISTURE:		21	19	14	10	17	14	22	

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

RL = REPORTING LIMIT

U = VALUE IS NOT DETECTED.

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26274  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

			D26274	D26313	D26315	D26276	D26277	D26278	D26279
			P-022-SB-05D	P-022-SB-06D	P-022-SB-06F	P-022-SB-07A	P-022-SB-07B	P-022-SB-07C	P-022-SB-07D
			L1007060-01	L1007060-02	L1007060-03	L1007060-04	L1007060-05	L1007060-06D	L1007060-07
COMPOUND	S-1	RL							
Acenaphthene	<b>1,000</b>	0.33	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.40 U	0.18 U
Fluoranthene	<b>1,000</b>	0.33	0.20 U	0.21	0.65	1.10	0.74	0.40 U	0.18 U
Naphthalene	<b>40</b>	0.33	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.40 U	0.18 U
Benzo(a)anthracene	<b>7</b>	0.33	0.20 U	0.20 U	0.33	0.71	0.48	0.40 U	0.18 U
Benzo(a)pyrene	<b>2</b>	0.33	0.20 U	0.20 U	0.32	0.74	0.53	0.40 U	0.18 U
Benzo(b)fluoranthene	<b>7</b>	0.33	0.20 U	0.20 U	0.43	0.88	0.61	0.40 U	0.18 U
Benzo(k)fluoranthene	<b>70</b>	0.33	0.20 U	0.20 U	0.20 U	0.39	0.23	0.40 U	0.18 U
Chrysene	<b>70</b>	0.33	0.20 U	0.20 U	0.40	0.79	0.54	0.40 U	0.18 U
Acenaphthylene	<b>600</b>	0.33	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.40 U	0.18 U
Anthracene	<b>1,000</b>	0.33	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.40 U	0.18 U
Benzo(g,h,i)perylene	<b>1,000</b>	0.33	0.20 U	0.20 U	0.23	0.56	0.37	0.40 U	0.18 U
Fluorene	<b>1,000</b>	0.33	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.40 U	0.18 U
Phenanthrene	<b>500</b>	0.33	0.20 U	0.20 U	0.29	0.48	0.40	0.40 U	0.18 U
Dibenzo(a,h)anthracene	<b>0.7</b>	0.33	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.40 U	0.18 U
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.33	0.20 U	0.20 U	0.24	0.56	0.38	0.40 U	0.18 U
Pyrene	<b>1,000</b>	0.33	0.20 U	0.21	0.60	1.10	0.79	0.40 U	0.18 U
2-Methylnaphthalene	<b>80</b>	0.33	0.20 U	0.20 U	0.20 U	0.20 U	0.19 U	0.40 U	0.18 U
DILUTION FACTOR:			1	1.0	1.0	1.0	1.0	2.0	1.0
DATE SAMPLED:			5/10/2010	5/11/2010	5/11/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010
DATE EXTRACTED:			5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010
DATE ANALYZED:			5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/23/2010	5/19/2010
SAMPLE WEIGHT (GRAMS):			30	30	30	30	30	30	30
% MOISTURE:			16.0	16.0	19.0	15.0	15.0	17.0	8.0

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

RL = REPORTING LIMIT

U = VALUE IS NOT DETECTED.

UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.

J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26274  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

			D26316	D26317	D26318	D26319	D26321	D26322	D26323
			P-022-SB-08A	P-022-SB-08B	P-022-SB-08C	P-022-SB-08D	P-022-SB-09A	P-022-SB-09B	P-022-SB-09C
			L1007060-08	L1007060-09	L1007060-10	L1007060-11	L1007060-12	L1007060-13	L1007060-14
COMPOUND	S-1	RL							
Acenaphthene	<b>1,000</b>	0.33	0.18 U	0.20	0.19 U	0.19 U	0.18 U	0.19 U	0.94 U
Fluoranthene	<b>1,000</b>	0.33	1.40	3.80	5.60	0.19 U	2.80	5.20	20.00
Naphthalene	<b>40</b>	0.33	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U	0.19 U	0.94 U
Benzo(a)anthracene	<b>7</b>	0.33	0.76	2.20	3.20	0.19 U	1.50	2.40	<b>10.00</b>
Benzo(a)pyrene	<b>2</b>	0.33	0.71	1.90	<b>2.70</b>	0.19 U	1.40	<b>2.20</b>	<b>8.40</b>
Benzo(b)fluoranthene	<b>7</b>	0.33	0.95	2.40	3.50	0.19 U	2.00	2.80	<b>11.00</b>
Benzo(k)fluoranthene	<b>70</b>	0.33	0.36	0.96	1.40	0.19 U	0.64	1.00	3.90
Chrysene	<b>70</b>	0.33	0.84	2.40	3.30	0.19 U	1.50	2.40	9.80
Acenaphthylene	<b>600</b>	0.33	0.21	0.60	1.60	0.19 U	0.55	0.73	1.40
Anthracene	<b>1,000</b>	0.33	0.35	0.88	2.00	0.19 U	0.51	1.50	4.50
Benzo(g,h,i)perylene	<b>1,000</b>	0.33	0.46	1.20	1.70	0.19 U	0.98	1.40	4.40
Fluorene	<b>1,000</b>	0.33	0.18 U	0.23	0.38	0.19 U	0.18 U	0.44	1.10
Phenanthrene	<b>500</b>	0.33	1.00	2.50	4.60	0.19 U	0.96	4.40	13.00
Dibenzo(a,h)anthracene	<b>0.7</b>	0.33	0.18 U	0.34	0.45	0.19 U	0.23	0.36	<b>1.30</b>
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.33	0.50	1.40	1.90	0.19 U	1.00	1.50	5.00
Pyrene	<b>1,000</b>	0.33	1.20	3.70	5.50	0.19 U	2.70	4.20	15.00
2-Methylnaphthalene	<b>80</b>	0.33	0.18 U	0.19 U	0.19 U	0.19 U	0.18 U	0.19 U	0.94 U
DILUTION FACTOR:			1.0	1.0	1.0	1.0	1.0	1.0	5.0
DATE SAMPLED:			5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010
DATE EXTRACTED:			5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010
DATE ANALYZED:			5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/23/2010
SAMPLE WEIGHT (GRAMS):			30	30	30	30	31	30	30
% MOISTURE:			8	12.0	14.0	12.0	7.0	11.0	11.0

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26274  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

			D26324	D26326	D26327	D26328	D26329	D26331
			P-022-SB-09D	P-022-SB-10A	P-022-SB-10B	P-022-SB-10C	P-022-SB-10D	P-022-SB-11A
			L1007060-15	L1007060-16	L1007060-17	L1007060-18	L1007060-19	L1007060-20
COMPOUND	S-1	RL						
Acenaphthene	<b>1,000</b>	0.33	0.20 U	0.18 U	0.19 U	0.19 U	0.21 U	0.18 U
Fluoranthene	<b>1,000</b>	0.33	0.20 U	0.18	2.50	3.20	0.21 U	0.25
Naphthalene	<b>40</b>	0.33	0.20 U	0.18 U	0.19 U	0.19 U	0.21 U	0.18 U
Benzo(a)anthracene	<b>7</b>	0.33	0.20 U	0.18 U	1.20	1.60	0.21 U	0.18 U
Benzo(a)pyrene	<b>2</b>	0.33	0.20 U	0.18	1.20	1.40	0.21 U	0.18 U
Benzo(b)fluoranthene	<b>7</b>	0.33	0.20 U	0.22	1.50	2.00	0.21 U	0.20
Benzo(k)fluoranthene	<b>70</b>	0.33	0.20 U	0.18 U	0.56	0.76	0.21 U	0.18 U
Chrysene	<b>70</b>	0.33	0.20 U	0.18	1.30	1.70	0.21 U	0.18 U
Acenaphthylene	<b>600</b>	0.33	0.20 U	0.18 U	0.21	0.32	0.21 U	0.18 U
Anthracene	<b>1,000</b>	0.33	0.20 U	0.18 U	0.40	0.80	0.21 U	0.18 U
Benzo(g,h,i)perylene	<b>1,000</b>	0.33	0.20 U	0.18 U	0.71	0.80	0.21 U	0.18 U
Fluorene	<b>1,000</b>	0.33	0.20 U	0.18 U	0.19 U	0.29	0.21 U	0.18 U
Phenanthrene	<b>500</b>	0.33	0.20 U	0.18 U	1.80	2.60	0.21 U	0.18 U
Dibenzo(a,h)anthracene	<b>0.7</b>	0.33	0.20 U	0.18 U	0.20	0.27	0.21 U	0.18 U
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.33	0.20 U	0.18 U	0.82	0.94	0.21 U	0.18 U
Pyrene	<b>1,000</b>	0.33	0.20 U	0.20	2.10	2.40	0.21 U	0.23
2-Methylnaphthalene	<b>80</b>	0.33	0.20 U	0.18 U	0.19 U	0.19 U	0.21 U	0.18 U
DILUTION FACTOR:			1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:			5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010
DATE EXTRACTED:			5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010
DATE ANALYZED:			5/19/2010	5/19/2010	5/19/2010	5/23/2010	5/19/2010	5/23/2010
SAMPLE WEIGHT (GRAMS):			30	30	30	30	30	31
% MOISTURE:			17.0	7.0	11.0	14.0	20.0	7.0

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

RL = REPORTING LIMIT

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26272  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

			D26272	D26332	D26333	D26334	D26336	D26337	D26338
			P-022-SB-05B	P-022-SB-11B	P-022-SB-11C	P-022-SB-11D	P-022-SB-12A	P-022-SB-12B	P-022-SB-12C
			L1007073-01	L1007073-02	L1007073-03	L1007073-04	L1007073-05	L1007073-06	L1007073-07
SAMPLE NUMBER:			D26272	D26332	D26333	D26334	D26336	D26337	D26338
SAMPLE LOCATION:			P-022-SB-05B	P-022-SB-11B	P-022-SB-11C	P-022-SB-11D	P-022-SB-12A	P-022-SB-12B	P-022-SB-12C
LABORATORY NUMBER:			L1007073-01	L1007073-02	L1007073-03	L1007073-04	L1007073-05	L1007073-06	L1007073-07
COMPOUND	S-1	RL							
Acenaphthene	<b>1,000</b>	0.17	0.18 U	2.9	0.21 U	0.18 U	0.18 U	0.52	0.18 U
Fluoranthene	<b>1,000</b>	0.17	0.36	*30	0.29	0.18 U	0.43	6.4	1.8
Naphthalene	<b>40</b>	0.17	0.18 U	2.2	0.21 U	0.18 U	0.18 U	0.19	0.18 U
Benzo(a)anthracene	<b>7</b>	0.17	0.19	<b>*12</b>	0.21 U	0.18 U	0.32	3.6	1.0
Benzo(a)pyrene	<b>2</b>	0.17	0.20	<b>*9.3</b>	0.21 U	0.18 U	0.36	<b>3.4</b>	1.0
Benzo(b)fluoranthene	<b>7</b>	0.17	0.20	<b>*12</b>	0.21 U	0.18 U	0.24	4.1	1.3
Benzo(k)fluoranthene	<b>70</b>	0.17	0.18 U	*5	0.21 U	0.18 U	0.28	1.5	0.55
Chrysene	<b>70</b>	0.17	0.19	*11	0.21 U	0.18 U	0.31	3.6	1.1
Acenaphthylene	<b>600</b>	0.17	0.18 U	1.4	0.21 U	0.18 U	0.18 U	0.72	0.40
Anthracene	<b>1,000</b>	0.17	0.18 U	*10	0.21 U	0.18 U	0.18 U	1.9	0.38
Benzo(g,h,i)perylene	<b>1,000</b>	0.17	0.18 U	5.2	0.21 U	0.18 U	0.28	2.0	0.68
Fluorene	<b>1,000</b>	0.17	0.18 U	4.9	0.21 U	0.18 U	0.18 U	0.64	0.18 U
Phenanthrene	<b>500</b>	0.17	0.21	*38	0.21 U	0.18 U	0.20	5.7	0.92
Dibenzo(a,h)anthracene	<b>0.7</b>	0.17	0.18 U	<b>3.1</b>	0.21 U	0.18 U	0.18 U	0.52	0.18 U
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.17	0.18 U	5	0.21 U	0.18 U	0.22	2.2	0.73
Pyrene	<b>1,000</b>	0.17	0.32	*22	0.23	0.18 U	0.43	5.9	1.6
2-Methylnaphthalene	<b>80</b>	0.17	0.18 U	1.9	0.21 U	0.18 U	0.18 U	0.18	0.18 U
DILUTION FACTOR:			1	1/10	1	1	1	1	1
DATE SAMPLED:			5/10/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010
DATE EXTRACTED:			5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010
DATE ANALYZED:			5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/24/2010	5/24/2010
SAMPLE WEIGHT (GRAMS):			30.36	30.15	30.28	30.45	30.35	30.26	30.12
% SOLID:			89	89	78	92	94	89	90

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26272  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	SAMPLE NUMBER:	D26339	D26341	D26342	D26343	D26344	D26281	D26282	
	SAMPLE LOCATION:	P-022-SB-12D	P-022-SB-13A	P-022-SB-13B	P-022-SB-13C	P-022-SB-13D	P-022-SB-14A	P-022-SB-14B	
	LABORATORY NUMBER:	L1007073-08	L1007073-09	L1007073-10	L1007073-11	L1007073-12	L1007073-013	L1007073-14	
COMPOUND	S-1	RL							
Acenaphthene	<b>1,000</b>	0.17	0.19 U	0.17 U	0.18 U	0.21 U	0.18 U	0.19 U	0.32
Fluoranthene	<b>1,000</b>	0.17	0.19 U	0.17 U	0.67	2.2	0.18 U	0.85	8.7
Naphthalene	<b>40</b>	0.17	0.19 U	0.17 U	0.18 U	0.21 U	0.18 U	0.19 U	0.25
Benzo(a)anthracene	<b>7</b>	0.17	0.19 U	0.17 U	0.44	1.1	0.18 U	0.60	4.3
Benzo(a)pyrene	<b>2</b>	0.17	0.19 U	0.17 U	0.48	1.0	0.18 U	0.61	<b>3.8</b>
Benzo(b)fluoranthene	<b>7</b>	0.17	0.19 U	0.17 U	0.44	1.4	0.18 U	0.54	3.0
Benzo(k)fluoranthene	<b>70</b>	0.17	0.19 U	0.17 U	0.40	0.49	0.18 U	0.42	0.23 U
Chrysene	<b>70</b>	0.17	0.19 U	0.17 U	0.44	1.2	0.18 U	0.54	3.8
Acenaphthylene	<b>600</b>	0.17	0.19 U	0.17 U	0.21	0.21 U	0.18 U	0.20	1.7
Anthracene	<b>1,000</b>	0.17	0.19 U	0.17 U	0.18 U	0.43	0.18 U	0.20	2.0
Benzo(g,h,i)perylene	<b>1,000</b>	0.17	0.19 U	0.17 U	0.36	0.63	0.18 U	0.42	1.8
Fluorene	<b>1,000</b>	0.17	0.19 U	0.17 U	0.18 U	0.21 U	0.18 U	0.19 U	0.59
Phenanthrene	<b>500</b>	0.17	0.19 U	0.17 U	0.30	1.7	0.18 U	0.45	6.1
Dibenzo(a,h)anthracene	<b>0.7</b>	0.17	0.19 U	0.17 U	0.18 U	0.21 U	0.18 U	0.19 U	<b>0.79</b>
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.17	0.19 U	0.17 U	0.29	0.68	0.18 U	0.32	1.7
Pyrene	<b>1,000</b>	0.17	0.19 U	0.17 U	0.64	2.0	0.18 U	0.74	8.4
2-Methylnaphthalene	<b>80</b>	0.17	0.19 U	0.17 U	0.18 U	0.21 U	0.18 U	0.19 U	0.23 U
DILUTION FACTOR:		1	1	1	1	1	1	1	1
DATE SAMPLED:		5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/10/2010	5/10/2010	5/10/2010
DATE EXTRACTED:		5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010
DATE ANALYZED:		5/19/2010	5/24/2010	5/19/2010	5/24/2010	5/19/2010	5/19/2010	5/19/2010	5/19/2010
SAMPLE WEIGHT (GRAMS):		30.06	30.12	30.1	30.32	30.04	30.38	30	30
% SOLID:		89	96	90	80	91	86	72	72

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
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mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26272  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

		D26283	D26284	D26349	D26350	D26351	D26352	D26301	
		P-022-SB-14C	P-022-SB-14D	P-022-SB-15A	P-022-SB-15B	P-022-SB-15C	P-022-SB-15D	P-022-SB-25B	
		L1007073-15	L1007073-16	L1007073-17	L1007073-18	L1007073-19	L1007073-20	L1007073-21	
SAMPLE NUMBER:									
SAMPLE LOCATION:									
LABORATORY NUMBER:									
COMPOUND	S-1	RL							
Acenaphthene	<b>1,000</b>	0.17	0.19 U	0.18 U	0.18 U	0.74	0.19 U	0.18 U	0.18 U
Fluoranthene	<b>1,000</b>	0.17	4.0	0.18 U	0.32	*9.4	4.1	0.18 U	0.20
Naphthalene	<b>40</b>	0.17	0.19 U	0.18 U	0.18 U	0.71	0.19 U	0.18 U	0.18 U
Benzo(a)anthracene	<b>7</b>	0.17	2.4	0.18 U	0.21	5.0	2.0	0.18 U	0.18 U
Benzo(a)pyrene	<b>2</b>	0.17	<b>2.5</b>	0.18 U	0.23	<b>4.6</b>	1.8	0.18 U	0.18 U
Benzo(b)fluoranthene	<b>7</b>	0.17	1.8	0.18 U	0.18 U	3.9	2.4	0.18 U	0.18 U
Benzo(k)fluoranthene	<b>70</b>	0.17	1.6	0.18 U	0.18 U	3.3	0.91	0.18 U	0.18 U
Chrysene	<b>70</b>	0.17	2.1	0.18 U	0.22	4.0	2.0	0.18 U	0.18 U
Acenaphthylene	<b>600</b>	0.17	0.32	0.18 U	0.18 U	0.95	0.63	0.18 U	0.18 U
Anthracene	<b>1,000</b>	0.17	0.82	0.18 U	0.18 U	2.7	1.0	0.18 U	0.18 U
Benzo(g,h,i)perylene	<b>1,000</b>	0.17	1.1	0.18 U	0.18 U	2.2	1.2	0.18 U	0.18 U
Fluorene	<b>1,000</b>	0.17	0.26	0.18 U	0.18 U	1.1	0.25	0.18 U	0.18 U
Phenanthrene	<b>500</b>	0.17	2.7	0.18 U	0.21	*9.4	3.0	0.18 U	0.18 U
Dibenzo(a,h)anthracene	<b>0.7</b>	0.17	0.47	0.18 U	0.18 U	<b>0.95</b>	0.34	0.18 U	0.18 U
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.17	0.98	0.18 U	0.18 U	1.9	1.3	0.18 U	0.18 U
Pyrene	<b>1,000</b>	0.17	3.2	0.18 U	0.27	*8.0	3.5	0.18 U	0.20
2-Methylnaphthalene	<b>80</b>	0.17	0.19 U	0.18 U	0.18 U	0.40	0.19 U	0.18 U	0.18 U
DILUTION FACTOR:		1	1	1	1	1	1	1	1
DATE SAMPLED:		5/10/2010	5/10/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/10/2010	
DATE EXTRACTED:		5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	
DATE ANALYZED:		5/19/2010	5/19/2010	5/19/2010	5/19/2010	5/24/2010	5/20/2010	5/21/2010	
SAMPLE WEIGHT (GRAMS):		30.52	30.26	30.5	30.08	30.5	30.12	30.28	
% SOLID:		86	91	90	89	87	90	89	

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

RL = REPORTING LIMIT

U = VALUE IS NOT DETECTED.

UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.

J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26286  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	D26286		D26287		D26288		D26290		D26291		D26292		D26293	
SAMPLE NUMBER:	D26286		D26287		D26288		D26290		D26291		D26292		D26293	
SAMPLE LOCATION:	P-022-SB-16A		P-022-SB-16B		P-022-SB-16D		P-022-SB-16F		P-022-SB-17A		P-022-SB-17B		P-022-SB-17D	
LABORATORY NUMBER:	L1007068-01		L1007068-02		L1007068-03		L1007068-04		L1007068-05		L1007068-06		L1007068-07	
COMPOUND	S-1	RL												
Acenaphthene	<b>1,000</b>	0.17	0.18 UJ	21	0.18 U	0.19 U	0.19 U	0.19 U						
Fluoranthene	<b>1,000</b>	0.17	0.18 UJ	170	0.18 U	0.19 U	1.8	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Naphthalene	<b>40</b>	0.17	0.18 UJ	12	0.18 U	0.19 U	0.19 U	0.19 U						
Benzo(a)anthracene	<b>7</b>	0.17	0.18 UJ	<b>65</b>	0.18 U	0.19 U	0.92	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(a)pyrene	<b>2</b>	0.17	0.18 UJ	<b>50</b>	0.18 U	0.19 U	0.77	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(b)fluoranthene	<b>7</b>	0.17	0.18 UJ	<b>60</b>	0.18 U	0.19 U	1.0	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(k)fluoranthene	<b>70</b>	0.17	0.18 UJ	26	0.18 U	0.19 U	0.40	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Chrysene	<b>70</b>	0.17	0.18 UJ	64	0.18 U	0.19 U	0.99	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Acenaphthylene	<b>600</b>	0.17	0.18 UJ	9.1 U	0.18 U	0.19 U	0.30	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Anthracene	<b>1,000</b>	0.17	0.18 UJ	55	0.18 U	0.19 U	0.41	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Benzo(g,h,i)perylene	<b>1,000</b>	0.17	0.18 UJ	26	0.18 U	0.19 U	0.46	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Fluorene	<b>1,000</b>	0.17	0.18 UJ	24	0.18 U	0.19 U	0.19 U	0.19 U						
Phenanthrene	<b>500</b>	0.17	0.18 UJ	210	0.18 U	0.19 U	1.4	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Dibenzo(a,h)anthracene	<b>0.7</b>	0.17	0.18 UJ	<b>9.1 U</b>	0.18 U	0.19 U	0.19 U	0.19 U						
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.17	0.18 UJ	<b>31</b>	0.18 U	0.19 U	0.53	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
Pyrene	<b>1,000</b>	0.17	0.18 UJ	130	0.18 U	0.19 U	1.5	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
2-Methylnaphthalene	<b>80</b>	0.17	0.18 UJ	9.1 U	0.18 U	0.19 U	0.19 U	0.19 U						
DILUTION FACTOR:			1	50	1	1	1	1	1	1	1	1	1	1
DATE SAMPLED:			05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10
DATE EXTRACTED:			5/26/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010
DATE ANALYZED:			5/27/2010	5/23/2010	5/20/2010	5/20/2010	5/20/2010	5/23/2010	5/23/2010	5/23/2010	5/23/2010	5/23/2010	5/23/2010	5/23/2010
SAMPLE WEIGHT (GRAMS):			30.63	30.29	30.56	30.60	30.80	30.80	30.80	30.80	30.55	30.55	30.00	30.00
% MOISTURE:			11	9	8	14	15	15	15	15	15	15	15	11

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26286  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

	SAMPLE NUMBER:	D26295	D26296	D26297	D26298	D26300	D26354	D26355	
	SAMPLE LOCATION:	P-022-SB-17F	P-022-SB-18A	P-022-SB-18B	P-022-SB-18D	P-022-SB-18F	P-022-SB-19A	P-022-SB-19B	
	LABORATORY NUMBER:	L1007068-08	L1007068-09	L1007068-10	L1007068-11	L1007068-12	L1007068-13	L1007068-14	
COMPOUND	S-1	RL							
Acenaphthene	<b>1,000</b>	0.17	0.19 U	0.20 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Fluoranthene	<b>1,000</b>	0.17	0.19 U	0.80	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Naphthalene	<b>40</b>	0.17	0.19 U	0.20 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Benzo(a)anthracene	<b>7</b>	0.17	0.19 U	0.54	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Benzo(a)pyrene	<b>2</b>	0.17	0.19 U	0.47	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Benzo(b)fluoranthene	<b>7</b>	0.17	0.19 U	0.69	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Benzo(k)fluoranthene	<b>70</b>	0.17	0.19 U	0.21	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Chrysene	<b>70</b>	0.17	0.19 U	0.58	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Acenaphthylene	<b>600</b>	0.17	0.19 U	0.20 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Anthracene	<b>1,000</b>	0.17	0.19 U	0.20 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Benzo(g,h,i)perylene	<b>1,000</b>	0.17	0.19 U	0.40	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Fluorene	<b>1,000</b>	0.17	0.19 U	0.20 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Phenanthrene	<b>500</b>	0.17	0.19 U	0.56	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Dibenzo(a,h)anthracene	<b>0.7</b>	0.17	0.19 U	0.20 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.17	0.19 U	0.30	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
Pyrene	<b>1,000</b>	0.17	0.19 U	0.84	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
2-Methylnaphthalene	<b>80</b>	0.17	0.19 U	0.20 U	0.18 U	0.18 U	0.18 U	0.19 U	0.18 U
DILUTION FACTOR:		1	1	1	1	1	1	1	
DATE SAMPLED:		05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/11/10	05/11/10	
DATE EXTRACTED:		5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	5/16/2010	
DATE ANALYZED:		5/27/2010	5/27/2010	5/21/2010	5/21/2010	5/21/2010	5/20/2010	5/20/2010	
SAMPLE WEIGHT (GRAMS):		30.00	30.01	30.06	30.02	30.00	30.39	30.23	
% MOISTURE:		11	16	9	10	9	14	11	

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26286  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 1  
POLYCYCLIC AROMATIC HYDROCARBON (PAH) ORGANIC SOIL ANALYSES  
mg/kg

SAMPLE NUMBER:	D26356	D26358
SAMPLE LOCATION:	P-022-SB-19D	P-022-SB-19F
LABORATORY NUMBER:	L1007068-15	L1007068-16

COMPOUND	S-1	RL		
Acenaphthene	<b>1,000</b>	0.17	0.18 U	0.18 U
Fluoranthene	<b>1,000</b>	0.17	0.18 U	0.18 U
Naphthalene	<b>40</b>	0.17	0.18 U	0.18 U
Benzo(a)anthracene	<b>7</b>	0.17	0.18 U	0.18 U
Benzo(a)pyrene	<b>2</b>	0.17	0.18 U	0.18 U
Benzo(b)fluoranthene	<b>7</b>	0.17	0.18 U	0.18 U
Benzo(k)fluoranthene	<b>70</b>	0.17	0.18 U	0.18 U
Chrysene	<b>70</b>	0.17	0.18 U	0.18 U
Acenaphthylene	<b>600</b>	0.17	0.18 U	0.18 U
Anthracene	<b>1,000</b>	0.17	0.18 U	0.18 U
Benzo(g,h,i)perylene	<b>1,000</b>	0.17	0.18 U	0.18 U
Fluorene	<b>1,000</b>	0.17	0.18 U	0.18 U
Phenanthrene	<b>500</b>	0.17	0.18 U	0.18 U
Dibenzo(a,h)anthracene	<b>0.7</b>	0.17	0.18 U	0.18 U
Indeno(1,2,3-cd)pyrene	<b>7</b>	0.17	0.18 U	0.18 U
Pyrene	<b>1,000</b>	0.17	0.18 U	0.18 U
2-Methylnaphthalene	<b>80</b>	0.17	0.18 U	0.18 U

DILUTION FACTOR:	1	1
DATE SAMPLED:	05/11/10	05/11/10
DATE EXTRACTED:	5/16/2010	5/16/2010
DATE ANALYZED:	5/24/2010	5/24/2010
SAMPLE WEIGHT (GRAMS):	30.80	30.63
% MOISTURE:	10	10

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26256  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

		D26256	D26257	D26258	D26259	D26261	D26262	D26263	
SAMPLE NUMBER:		P-022-SB-01A	P-022-SB-01B	P-022-SB-01C	P-022-SB-01D	P-022-SB-02A	P-022-SB-02B	P-022-SB-02C	
SAMPLE LOCATION:		L1007070-01	L1007070-02	L1007070-03	L1007070-04	L1007070-06	L1007070-07	L1007070-08	
LABORATORY NUMBER:									
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
Aroclor-1016	2	0.020	0.025 U	0.447 U	0.053 U	0.022 U	0.048 U	0.023 U	0.027 U
Aroclor-1221	2	0.020	0.025 U	0.447 U	0.053 U	0.022 U	0.048 U	0.023 U	0.027 U
Aroclor-1232	2	0.020	0.025 U	0.447 U	0.053 U	0.022 U	0.048 U	0.023 U	0.027 U
Aroclor-1242	2	0.020	0.025 U	0.447 U	0.053 U	0.022 U	0.048 U	0.023 U	0.027 U
Aroclor-1248	2	0.013	0.016 U	0.298 U	0.035 U	0.015 U	0.032 U	0.016 U	0.018 U
Aroclor-1254	2	0.020	0.256	<b>2.330</b>	0.837	0.388	0.153	0.343	0.027 U
Aroclor-1260	2	0.013	0.321 J	0.298 U	0.347 J	0.015 U	0.131	0.365 J	0.018 U
Aroclor-1262	2	0.007	0.008 U	0.149 U	0.018 U	0.007 U	0.016 U	0.008 U	0.009 U
Aroclor-1268	2	0.007	0.097 J	0.149 U	0.018 U	0.007 U	0.048 J	0.008 U	0.009 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	0.674 J	<b>2.330</b>	1.184 J	0.388	0.332 J	0.708 J	0.027 U

DILUTION FACTOR:	1	20	2	1	2	1	1
DATE SAMPLED:	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10
DATE EXTRACTED:	05/15/10	05/15/10	05/15/10	05/15/10	05/15/10	05/15/10	05/15/10
DATE ANALYZED:	05/18/10	05/19/10	05/18/10	05/18/10	05/18/10	05/18/10	05/18/10
% MOISTURE:	14	15	23	14	13	16	22

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26256  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

		D26264	D26266	D26267	D26268	D26269	D26306	D26307	
SAMPLE NUMBER:		P-022-SB-02D	P-022-SB-03A	P-022-SB-03B	P-022-SB-03C	P-022-SB-03D	P-022-SB-04A	P-022-SB-04B	
SAMPLE LOCATION:		L1007070-09	L1007070-11	L1007070-12	L1007070-13	L1007070-14	L1007070-16	L1007070-17	
LABORATORY NUMBER:									
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
Aroclor-1016	2	0.020	0.028 U	0.024 U	0.048 U	0.024 U	0.061 U	0.024 U	0.026 U
Aroclor-1221	2	0.020	0.028 U	0.024 U	0.048 U	0.024 U	0.061 U	0.024 U	0.026 U
Aroclor-1232	2	0.020	0.028 U	0.024 U	0.048 U	0.024 U	0.061 U	0.024 U	0.026 U
Aroclor-1242	2	0.020	0.028 U	0.024 U	0.048 U	0.024 U	0.061 U	0.024 U	0.026 U
Aroclor-1248	2	0.013	0.019 U	0.016 U	0.032 U	0.016 U	0.040 U	0.016 U	0.017 U
Aroclor-1254	2	0.020	0.028 U	0.114	0.365	0.024 U	0.061 U	0.089	0.218
Aroclor-1260	2	0.013	0.019 U	0.157 J	0.539 J	0.016 U	0.040 U	0.230	0.244 J
Aroclor-1262	2	0.007	0.009 U	0.008 U	0.016 U	0.008 U	0.020 U	0.008 U	0.009 U
Aroclor-1268	2	0.007	0.009 U	0.046	0.231 J	0.008 U	0.020 U	0.008 U	0.009 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	<b>0.028 U</b>	<b>0.317 J</b>	<b>1.135 J</b>	<b>0.024 U</b>	<b>0.061 U</b>	<b>0.319</b>	<b>0.462 J</b>

DILUTION FACTOR:	1	1	2	1	2	1	1
DATE SAMPLED:	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/11/10	05/11/10
DATE EXTRACTED:	05/15/10	05/15/10	05/15/10	05/15/10	05/15/10	05/15/10	05/15/10
DATE ANALYZED:	05/18/10	05/18/10	05/18/10	05/18/10	05/18/10	05/18/10	05/18/10
% MOISTURE:	24	14	13	21	30	17	18

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDING AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDING "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26256  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

		D26308	D26309	D26271	D26273	D26311	D26312	D26359	
SAMPLE NUMBER:		P-022-SB-04C	P-022-SB-04D	P-022-SB-05A	P-022-SB-05C	P-022-SB-06A	P-022-SB-06B	P-022-SB-27C	
SAMPLE LOCATION:		L1007070-18	L1007070-19	L1007070-21	L1007070-22	L1007070-24	L1007070-25	L1007070-26	
LABORATORY NUMBER:									
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
Aroclor-1016	2	0.020	0.129 U	0.024 U	0.049 U	0.047 U	0.023 U	0.046 U	0.053 U
Aroclor-1221	2	0.020	0.129 U	0.024 U	0.049 U	0.047 U	0.023 U	0.046 U	0.053 U
Aroclor-1232	2	0.020	0.129 U	0.024 U	0.049 U	0.047 U	0.023 U	0.046 U	0.053 U
Aroclor-1242	2	0.020	0.129 U	0.024 U	0.049 U	0.047 U	0.023 U	0.046 U	0.053 U
Aroclor-1248	2	0.013	0.086 U	0.016 U	0.033 U	0.528	0.015 U	0.031 U	0.035 U
Aroclor-1254	2	0.020	0.129 U	0.024 U	0.098	0.247	0.035	0.046 U	0.140
Aroclor-1260	2	0.013	0.123 J	0.016 U	0.086	0.031 U	0.078	0.051	0.144 J
Aroclor-1262	2	0.007	0.043 U	0.008 U	0.016 U	0.016 U	0.008 U	0.015 U	0.018 U
Aroclor-1268	2	0.007	0.043 U	0.008 U	0.016 U	0.016 U	0.008 U	0.015 U	0.077 J
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	0.123 J	0.024 U	0.184	0.775	0.113	0.051	0.361 J

DILUTION FACTOR:	5	1	2	2	1	2	2
DATE SAMPLED:	05/11/10	05/11/10	05/10/10	05/10/10	05/11/10	05/11/10	05/11/10
DATE EXTRACTED:	05/15/10	05/15/10	05/15/10	05/15/10	05/15/10	05/15/10	05/19/10
DATE ANALYZED:	05/18/10	05/18/10	05/18/10	05/18/10	05/18/10	05/18/10	05/20/10
% MOISTURE:	21	19	14	10	17	14	22

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
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J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDING AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDING "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26274  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

			D26274	D26313	D26315	D26276	D26277	D26278	D26279
			P-022-SB-05D	P-022-SB-06D	P-022-SB-06F	P-022-SB-07A	P-022-SB-07B	P-022-SB-07C	P-022-SB-07D
			L1007059-01	L1007059-02	L1007059-04	L1007059-05	L1007059-06	L1007059-07	L1007059-08
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
Aroclor-1016	2	0.033	0.023 U	0.023 U	0.024 U	0.022 U	0.023 U	0.023 U	0.022 U
Aroclor-1221	2	0.033	0.023 U	0.023 U	0.024 U	0.022 U	0.023 U	0.023 U	0.022 U
Aroclor-1232	2	0.033	0.023 U	0.023 U	0.024 U	0.022 U	0.023 U	0.023 U	0.022 U
Aroclor-1242	2	0.033	0.023 U	0.023 U	0.024 U	0.022 U	0.023 U	0.023 U	0.022 U
Aroclor-1248	2	0.033	0.015 U	0.015 U	0.016 U	0.015 U	0.016 U	0.015 U	0.014 U
Aroclor-1254	2	0.033	0.023 U	0.023 U	0.024 U	0.022 U	0.023 U	0.023 U	0.022 U
Aroclor-1260	2	0.033	0.015 U	0.015 U	0.042	0.052	0.031	0.015 U	0.014 U
Aroclor-1262	2	0.033	0.008 U	0.008 U	0.008 U	0.007 U	0.008 U	0.008 U	0.007 U
Aroclor-1268	2	0.033	0.008 U	0.008 U	0.008 U	0.007 U	0.008 U	0.008 U	0.007 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	0.023 U	0.023 U	0.042	0.052	0.031	0.023 U	0.022 U
DILUTION FACTOR:			1	1.0	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:			5/10/2010	5/11/2010	5/11/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010
DATE EXTRACTED:			5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010
DATE ANALYZED:			5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010
% MOISTURE:			16	16	19	15	15	17	8

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26274  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

			D26316	D26317	D26318	D26319	D26321	D26322	D26323
			P-022-SB-08A	P-022-SB-08B	P-022-SB-08C	P-022-SB-08D	P-022-SB-09A	P-022-SB-09B	P-022-SB-09C
			L1007059-10	L1007059-11	L1007059-12	L1007059-13	L1007059-15	L1007059-16	L1007059-17
ORGANIC ANALYTES	S-1	RL							
Aroclor-1016	2	0.033	0.021 U	0.023 U	0.223 U	0.022 U	0.021 U	0.022 U	0.022 U
Aroclor-1221	2	0.033	0.021 U	0.023 U	0.223 U	0.022 U	0.021 U	0.022 U	0.022 U
Aroclor-1232	2	0.033	0.021 U	0.023 U	0.223 U	0.022 U	0.021 U	0.022 U	0.022 U
Aroclor-1242	2	0.033	0.021 U	0.023 U	0.223 U	0.022 U	0.021 U	0.022 U	0.022 U
Aroclor-1248	2	0.033	0.014 U	0.015 U	0.149 U	0.015 U	0.014 U	0.015 U	0.015 U
Aroclor-1254	2	0.033	0.021 U	0.023 U	<b>2.910</b>	0.022 U	0.021 U	0.022 U	0.022 U
Aroclor-1260	2	0.033	0.038	0.107	0.149 U	0.015 U	0.029	0.096	0.060
Aroclor-1262	2	0.033	0.007 U	0.008 U	0.074 U	0.007 U	0.007 U	0.007 U	0.007 U
Aroclor-1268	2	0.033	0.007 U	0.008 U	0.074 U	0.007 U	0.007 U	0.007 U	0.007 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	0.038	0.107	<b>2.910</b>	0.022 U	0.029	0.096	0.06
DILUTION FACTOR:			1.0	1.0	10.0	1.0	1.0	1.0	1.0
DATE SAMPLED:			5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010
DATE EXTRACTED:			5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010
DATE ANALYZED:			5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010
% MOISTURE:			8	12	14	12	7	11	11

NOTES: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26274  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

SAMPLE NUMBER:	D26324	D26326	D26327	D26328	D26329	D26331
SAMPLE LOCATION:	P-022-SB-09D	P-022-SB-10A	P-022-SB-10B	P-022-SB-10C	P-022-SB-10D	P-022-SB-11A
LABORATORY NUMBER:	L1007059-18	L1007059-20	L1007059-21	L1007059-22	L1007059-23	L1007059-25

ORGANIC ANALYTES	S-1	RL						
Aroclor-1016	2	0.033	0.023 U	0.021 U	0.022 U	0.022 U	0.025 U	0.021 U
Aroclor-1221	2	0.033	0.023 U	0.021 U	0.022 U	0.022 U	0.025 U	0.021 U
Aroclor-1232	2	0.033	0.023 U	0.021 U	0.022 U	0.022 U	0.025 U	0.021 U
Aroclor-1242	2	0.033	0.023 U	0.021 U	0.022 U	0.022 U	0.025 U	0.021 U
Aroclor-1248	2	0.033	0.015 U	0.014 U	0.014 U	0.015 U	0.016 U	0.014 U
Aroclor-1254	2	0.033	0.023 U	0.021 U	0.084	0.022 U	0.025 U	0.021 U
Aroclor-1260	2	0.033	0.015 U	0.023	0.045 U	0.043	0.025 U	0.020
Aroclor-1262	2	0.033	0.008 U	0.007 U	0.007 U	0.007 U	0.008 U	0.007 U
Aroclor-1268	2	0.033	0.008 U	0.007 U	0.007 U	0.007 U	0.008 U	0.007 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	<b>0.023 U</b>	<b>0.023</b>	<b>0.084</b>	<b>0.043</b>	<b>0.025 U</b>	<b>0.020</b>

DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0	1
DATE SAMPLED:	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010
DATE EXTRACTED:	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010	5/14/2010
DATE ANALYZED:	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010	5/17/2010
% MOISTURE:	17	7	11	14	20	7

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J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26272  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

		D26272	D26332	D26333	D26334	D26336	D26337	D26338	
SAMPLE NUMBER:		D26272	D26332	D26333	D26334	D26336	D26337	D26338	
SAMPLE LOCATION:		P-022-SB-05B	P-022-SB-11B	P-022-SB-11C	P-022-SB-11D	P-022-SB-12A	P-022-SB-12B	P-022-SB-12C	
LABORATORY NUMBER:		L1007072-01	L1007072-02	L1007072-03	L1007072-04	L1007072-06	L1007072-07	L1007072-08	
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
<b>Aroclor-1016</b>	<b>2</b>	0.020	0.023 U	0.022 U	0.026 U	0.021 U	0.022 U	0.024 U	0.022 U
<b>Aroclor-1221</b>	<b>2</b>	0.020	0.023 U	0.022 U	0.026 U	0.021 U	0.022 U	0.024 U	0.022 U
<b>Aroclor-1232</b>	<b>2</b>	0.020	0.023 U	0.022 U	0.026 U	0.021 U	0.022 U	0.024 U	0.022 U
<b>Aroclor-1242</b>	<b>2</b>	0.020	0.023 U	0.022 U	0.026 U	0.021 U	0.022 U	0.024 U	0.022 U
<b>Aroclor-1248</b>	<b>2</b>	0.013	0.060	0.015 U	0.018 U	0.014 U	0.015 U	0.016 U	0.015 U
<b>Aroclor-1254</b>	<b>2</b>	0.020	0.059	0.056	0.030	0.021 U	0.025	0.13	0.060
<b>Aroclor-1260</b>	<b>2</b>	0.013	0.053	0.037	0.020	0.014 U	0.033	0.12	0.049
<b>Aroclor-1262</b>	<b>2</b>	0.0067	0.0075 U	0.0073 U	0.0087 U	0.0071 U	0.0074 U	0.0079 U	0.0074 U
<b>Aroclor-1268</b>	<b>2</b>	0.0067	0.0075 U	0.0073 U	0.0087 U	0.0071 U	0.0074 U	0.0079 U	0.0074 U
<b>Total PCBs</b>	<b>2</b>	-----	0.172	0.093	0.050	0.021 U	0.058	0.25	0.109
DILUTION FACTOR:		1	1	1	1	1	1	1	1
DATE SAMPLED:		5/10/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010
DATE EXTRACTED:		5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/19/2010
DATE ANALYZED:		5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/20/2010
SAMPLE WEIGHT (GRAMS):		14.95	15.43	14.67	15.42	14.15	14.28	15.07	
% SOLID:		89	89	78	92	94	89	90	

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
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J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26272  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

		D26339	D26341	D26342	D26343	D26344	D26281	D26282	
SAMPLE NUMBER:		D26339	D26341	D26342	D26343	D26344	D26281	D26282	
SAMPLE LOCATION:		P-022-SB-12D	P-022-SB-13A	P-022-SB-13B	P-022-SB-13C	P-022-SB-13D	P-022-SB-14A	P-022-SB-14B	
LABORATORY NUMBER:		L1007072-09	L1007072-11	L1007072-12	L1007072-013	L1007072-14	L1007072-16	L1007072-17	
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
<b>Aroclor-1016</b>	<b>2</b>	0.020	0.022 U	0.022 U	0.023 U	0.026 U	0.023 U	0.024 U	0.029 U
<b>Aroclor-1221</b>	<b>2</b>	0.020	0.022 U	0.022 U	0.023 U	0.026 U	0.023 U	0.024 U	0.029 U
<b>Aroclor-1232</b>	<b>2</b>	0.020	0.022 U	0.022 U	0.023 U	0.026 U	0.023 U	0.024 U	0.029 U
<b>Aroclor-1242</b>	<b>2</b>	0.020	0.022 U	0.022 U	0.023 U	0.026 U	0.023 U	0.024 U	0.029 U
<b>Aroclor-1248</b>	<b>2</b>	0.013	0.015 U	0.015 U	0.016 U	0.018 U	0.015 U	0.016 U	0.020 U
<b>Aroclor-1254</b>	<b>2</b>	0.020	0.022 U	0.022 U	0.11	0.067	0.023 U	0.036	0.049
<b>Aroclor-1260</b>	<b>2</b>	0.013	0.015 U	0.015 U	0.12	0.099	0.015 U	0.044	0.108
<b>Aroclor-1262</b>	<b>2</b>	0.0067	0.0074 U	0.0073 U	0.0078 U	0.0088 U	0.0075 U	0.0081 U	0.0098 U
<b>Aroclor-1268</b>	<b>2</b>	0.0067	0.0074 U	0.0073 U	0.0078 U	0.0088 U	0.0075 U	0.0081 U	0.0098 U
<b>Total PCBs</b>	<b>2</b>	-----	0.022 U	0.022 U	0.23	0.166	0.023 U	0.080	0.157
DILUTION FACTOR:		1	1	1	1	1	1	1	
DATE SAMPLED:		5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/10/2010	5/10/2010	
DATE EXTRACTED:		5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	
DATE ANALYZED:		5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	
SAMPLE WEIGHT (GRAMS):		15.12	14.37	14.24	14.24	14.66	14.36	14.17	
% SOLID:		89	96	90	80	91	86	72	

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

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J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26272  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

		D26283	D26284	D26349	D26350	D26351	D26352	D26301	
		P-022-SB-14C	P-022-SB-14D	P-022-SB-15A	P-022-SB-15B	P-022-SB-15C	P-022-SB-15D	P-022-SB-25B	
		L1007072-18	L1007072-19	L1007072-21	L1007072-22	L1007072-23	L1007072-24	L1007072-25	
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
<b>Aroclor-1016</b>	<b>2</b>	0.020	0.023 U	0.023 U	0.022 U	0.0221 U	0.023 U	0.022 U	0.022 U
<b>Aroclor-1221</b>	<b>2</b>	0.020	0.023 U	0.023 U	0.022 U	0.022 U	0.023 U	0.022 U	0.022 U
<b>Aroclor-1232</b>	<b>2</b>	0.020	0.023 U	0.023 U	0.022 U	0.022 U	0.023 U	0.022 U	0.022 U
<b>Aroclor-1242</b>	<b>2</b>	0.020	0.023 U	0.023 U	0.022 U	0.022 U	0.023 U	0.022 U	0.022 U
<b>Aroclor-1248</b>	<b>2</b>	0.013	0.016 U	0.016 U	0.015 U	0.015 U	0.015 U	0.015 U	0.054
<b>Aroclor-1254</b>	<b>2</b>	0.020	0.046	0.023 U	0.037	0.19	0.023 U	0.022 U	0.057
<b>Aroclor-1260</b>	<b>2</b>	0.013	0.054	0.016 U	0.026	0.31	0.39	0.015 U	0.046
<b>Aroclor-1262</b>	<b>2</b>	0.0067	0.0078 U	0.0078 U	0.0073 U	0.0074 U	0.0076 U	0.0072 U	0.0074 U
<b>Aroclor-1268</b>	<b>2</b>	0.0067	0.0078 U	0.0078 U	0.0073 U	0.0074 U	0.0076 U	0.0072 U	0.0074 U
<b>Total PCBs</b>	<b>2</b>	-----	0.10	0.023 U	0.063	0.50	0.39	0.022 U	0.157
DILUTION FACTOR:		1	1	1	1	1	1	1	1
DATE SAMPLED:		5/10/2010	5/10/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/10/2010	5/10/2010
DATE EXTRACTED:		5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010	5/15/2010
DATE ANALYZED:		5/18/2010	5/18/2010	5/18/2010	5/17/2010	5/17/2010	5/17/2010	5/18/2010	5/18/2010
SAMPLE WEIGHT (GRAMS):		15.01	14.17	15.18	15.27	15.16	15.35	15.29	15.29
% SOLID:		86	91	90	89	87	90	89	89

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

RL = REPORTING LIMIT

U = VALUE IS NOT DETECTED.

UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.

J = VALUE IS ESTIMATED.

mg/kg = MILLIGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26286  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

		D26286	D26287	D26288	D26290	D26291	D26292	D26293
SAMPLE NUMBER:		P-022-SB-16A	P-022-SB-16B	P-022-SB-16D	P-022-SB-16F	P-022-SB-17A	P-022-SB-17B	P-022-SB-17D
SAMPLE LOCATION:		L1007067-02	L1007067-03	L1007067-04	L1007067-06	L1007067-07	L1007067-08	L1007067-09
LABORATORY NUMBER:								
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>						
<b>Aroclor-1016</b>	<b>2</b>	0.0200	0.0224 U	0.0218 U	0.0228 U	0.0228 U	0.0229 U	0.0218 U
<b>Aroclor-1221</b>	<b>2</b>	0.0200	0.0224 U	0.0218 U	0.0228 U	0.0228 U	0.0229 U	0.0218 U
<b>Aroclor-1232</b>	<b>2</b>	0.0200	0.0224 U	0.0218 U	0.0228 U	0.0228 U	0.0229 U	0.0218 U
<b>Aroclor-1242</b>	<b>2</b>	0.0200	0.0224 U	0.0218 U	0.0228 U	0.0228 U	0.0229 U	0.0218 U
<b>Aroclor-1248</b>	<b>2</b>	0.0133	0.0149 U	0.0145 U	0.0152 U	0.0152 U	0.0153 U	0.0146 U
<b>Aroclor-1254</b>	<b>2</b>	0.0200	0.0572	0.0218 U	0.0228 U	0.0228 U	0.0969	0.0218 U
<b>Aroclor-1260</b>	<b>2</b>	0.0133	0.0494	0.0145 U	0.0152 U	0.0152 U	0.2070	0.0146 U
<b>Aroclor-1262</b>	<b>2</b>	0.0067	0.0075 U	0.0073 U	0.0076 U	0.0076 U	0.0076 U	0.0073 U
<b>Aroclor-1268</b>	<b>2</b>	0.0067	0.0075 U	0.0073 U	0.0076 U	0.0076 U	0.0076 U	0.0073 U
<b>Total PCBs</b>	<b>2</b>	-----	0.107	0.0218 U	0.0228 U	0.0228 U	0.304	0.0218 U

DILUTION FACTOR:	1	1	1	1	1	1	1	1
DATE SAMPLED:	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/10/10
DATE EXTRACTED:	05/15/10	05/15/10	05/15/10	05/15/10	05/15/10	05/15/10	05/15/10	05/15/10
DATE ANALYZED:	05/17/10	05/17/10	05/17/10	05/17/10	05/17/10	05/17/10	05/17/10	05/17/10
% MOISTURE:	11	9	8	14	15	15	11	

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26286  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

		D26295	D26296	D26297	D26298	D26300	D26354	D26355	
SAMPLE NUMBER:									
SAMPLE LOCATION:		P-022-SB-17F	P-022-SB-18A	P-022-SB-18B	P-022-SB-18D	P-022-SB-18F	P-022-SB-19A	P-022-SB-19B	
LABORATORY NUMBER:		L1007067-11	L1007067-12	L1007067-13	L1007067-14	L1007067-16	L1007067-17	L1007067-18	
<b>ORGANIC ANALYTES</b>	<b>S-1</b>	<b>RL</b>							
<b>Aroclor-1016</b>	<b>2</b>	0.0200	0.0224 U	0.0250 U	0.0213 U	0.0218 U	0.0230 U	0.0236 U	0.0222 U
<b>Aroclor-1221</b>	<b>2</b>	0.0200	0.0224 U	0.0250 U	0.0213 U	0.0218 U	0.0230 U	0.0236 U	0.0222 U
<b>Aroclor-1232</b>	<b>2</b>	0.0200	0.0224 U	0.0250 U	0.0213 U	0.0218 U	0.0230 U	0.0236 U	0.0222 U
<b>Aroclor-1242</b>	<b>2</b>	0.0200	0.0224 U	0.0250 U	0.0213 U	0.0218 U	0.0230 U	0.0236 U	0.0222 U
<b>Aroclor-1248</b>	<b>2</b>	0.0133	0.0149 U	0.0167 U	0.0142 U	0.0145 U	0.0153 U	0.0157 U	0.0148 U
<b>Aroclor-1254</b>	<b>2</b>	0.0200	0.0224 U	0.1280	0.0213 U	0.0218 U	0.0230 U	0.0236 U	0.0222 U
<b>Aroclor-1260</b>	<b>2</b>	0.0133	0.0149 U	0.0727	0.0142 U	0.0145 U	0.0153 U	0.0310	0.0148 U
<b>Aroclor-1262</b>	<b>2</b>	0.0067	0.0075 U	0.0083 U	0.0071 U	0.0073 U	0.0077 U	0.0079 U	0.0074 U
<b>Aroclor-1268</b>	<b>2</b>	0.0067	0.0075 U	0.0083 U	0.0071 U	0.0073 U	0.0077 U	0.0079 U	0.0074 U
<b>Total PCBs</b>	<b>2</b>	-----	0.0224 U	0.201	0.0213 U	0.0218 U	0.0230 U	0.0310	0.0222 U
DILUTION FACTOR:		1	1	1	1	1	1	1	
DATE SAMPLED:		05/10/10	05/10/10	05/10/10	05/10/10	05/10/10	05/11/10	05/11/10	
DATE EXTRACTED:		05/15/10	05/15/10	05/15/10	05/15/10	05/15/10	05/15/10	05/15/10	
DATE ANALYZED:		05/17/10	05/17/10	05/17/10	05/17/10	05/17/10	05/19/10	05/19/10	
% MOISTURE:		11	16	9	10	9	14	11	

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

SITE: PARKER STREET WASTE SITE  
CASE: 0808F SDG: D26286  
LABORATORY: ALPHA ANALYTICAL

DATA SUMMARY TABLE 2  
POLYCHLORINATED BIPHENYLS (PCB) SOIL ANALYSIS  
mg/kg

SAMPLE NUMBER:	D26356	D26358
SAMPLE LOCATION:	P-022-SB-19D	P-022-SB-19F
LABORATORY NUMBER:	L1007067-19	L1007067-21

ORGANIC ANALYTES	S-1	RL		
Aroclor-1016	2	0.0200	0.0224 U	0.0222 U
Aroclor-1221	2	0.0200	0.0224 U	0.0222 U
Aroclor-1232	2	0.0200	0.0224 U	0.0222 U
Aroclor-1242	2	0.0200	0.0224 U	0.0222 U
Aroclor-1248	2	0.0133	0.0149 U	0.0148 U
Aroclor-1254	2	0.0200	0.0224 U	0.0222 U
Aroclor-1260	2	0.0133	0.0149 U	0.0148 U
Aroclor-1262	2	0.0067	0.0075 U	0.0074 U
Aroclor-1268	2	0.0067	0.0075 U	0.0074 U
<b>Total PCBs</b>	<b>2</b>	<b>-----</b>	<b>0.0224 U</b>	<b>0.0222 U</b>

DILUTION FACTOR:	1	1
DATE SAMPLED:	05/11/10	05/11/10
DATE EXTRACTED:	05/15/10	05/15/10
DATE ANALYZED:	05/18/10	05/17/10
% MOISTURE:	10	10

**NOTES:** RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.  
RL = REPORTING LIMIT  
U = VALUE IS NOT DETECTED.  
UJ = VALUE IS NON-DETECTED AND DETECTION LIMIT IS ESTIMATED.  
J = VALUE IS ESTIMATED.  
mg/kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN

Data Summary Table 3  
Metals in Soil Analysis  
mg/Kg

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077 SDG No.: MA2129  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number: Sample Location: Laboratory Sample ID:			MA2129 PEIS4410 B2278-01	MA3D91 P022SB10A B2278-02	MA3D92 P022SB10B B2278-03	MA3D93 P022SB10C B2278-04	MA3D94 P022SB10D B2278-05	MA3D96 P022SB06A B2278-06	MA3D97 P022SB06B B2278-07	MA3D98 P022SB06D B2278-10	MA3DA0 P022SB06F B2278-11	MA3DA1 P022SB04A B2278-12	
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)											CRQL mg/Kg
VALIDATED RESULTS:													
Arsenic	0.30	20	16.7	4.5	10.4	2.2	1.3	3.4	2.9	1.6	2.8	5.7	1.0
Barium	3.5	1000	7.1 J	21.6	266	58.6	18.9	39.2	34.5	14.6 J	31.7	86.2	20
Cadmium	0.083	2.0	13.0	0.47 U	0.39 U	0.44 U	0.44 U	0.56 U	0.59 U	0.47 U	0.51 U	0.74 U	0.50
Chromium	0.026	30	5.2	7.4	10.1	10	5.3	11.8	9.3	8.3	8.2	13.4	1.0
Lead	0.22	300	5.0	28.3	90.2	79.3	24.3	105	96.2	15.2	33.8	237	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		3020	3210	4580	4340	4870	6680	6600	7140	8720	6000	20
Calcium	1.4		1040	834	1560	1660	1690	1270	5430	1460	7890	2070	500
Iron	2.2		4170	5640	8050	13100	5230	9710	7810	7510	9590	11900	10
Magnesium	2.1		326 J	1400	1540	1480	863	1310	1280	1450	1240	1450	500
Date Sampled:			5/10/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	
Sample Number: Sample Location: Laboratory Sample ID:			MA3DA2 P022SB04B B2278-13	MA3DB0 P022SB04C B2278-15	MA3DB1 P022SB27C B2278-16	MA3DB2 P022SB04D B2278-17	MA3DC8 P022SB12A B2278-18	MA3DC9 P022SB12B B2278-19	MA3DD0 P022SB12C B2278-20	MA3DD1 P022SB12D B2278-21	MA3DE3 P022SB11A B2278-22	MA3DE4 P022SB11B B2278-23	
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)											CRQL mg/Kg
VALIDATED RESULTS:													
Arsenic	0.30	20	5.9	<b>24.7</b>	19.4	1.4	1.2	3.4	8.7	0.62 J	0.85	3.1	1.0
Barium	3.5	1000	302	376	265	25.0	20.9	41.1	39.7	6.8 J	19.3	36.1	20
Cadmium	0.083	2.0	1.5	<b>2.7</b>	1.9	0.49 U	0.47 U	0.49 U	0.37 U	0.42 U	0.36 U	0.94 U	0.50
Chromium	0.026	30	20.8	<b>34.2</b>	22.4	5.2	6.2	8.5	9.6	4.2	7.9	8.0	1.0
Lead	0.22	300	<b>425</b>	<b>647</b>	<b>434</b>	15.9	30.3	112	80.6	1.5 U	15.9	77.1	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		5370	6000	5120	6530	3120	5070	4880	2220	3340	5380	20
Calcium	1.4		2840	11200	9240	3350	622	1300	4710	223 J	768	1810	500
Iron	2.2		25500	46200	24700	4200	5140	8000	7900	3880	5780	8250	10
Magnesium	2.1		1110	2150	1390	913	1280	1540	1880	786	1580	1580	500
Date Sampled:			5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	
Method: P – ICP-AES			Qualifiers: J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected. Note: Bolded and shaded values exceed Massachusetts Contingency Plan (MCP) S-1 standard.										

Data Summary Table 3  
Metals in Soil/Water Analysis  
mg/Kg – µg/L

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077 SDG No.: MA2129  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number: MA3DE5			MA3DE6										
Sample Location: P022SB11C			P022SB11D										
Laboratory Sample ID: B2278-24			B2278-25										
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)											CRQL mg/Kg
VALIDATED RESULTS:													
Arsenic	0.30	20	2.3	0.72 J									1.0
Barium	3.5	1000	20.7 J	14.4 J									20
Cadmium	0.083	2.0	0.53 U	0.44 U									0.50
Chromium	0.026	30	5.6	6.5									1.0
Lead	0.22	300	40.8	2.0 U									1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		5880	3650									20
Calcium	1.4		1030	332 J									500
Iron	2.2		8330	5830									10
Magnesium	2.1		737	1410									500
Date Sampled:			5/11/2010	5/11/2010									
Sample Number: MA3DA3													
Sample Location: RB-57													
Laboratory Sample ID: B2278-14													
Analyte	Method	MDL (µg/L)											CRQL µg/L
VALIDATED RESULTS:													
Arsenic	P	3.3	10.0 U										10
Barium	P	2.4	200 U										200
Cadmium	P	0.13	5.0 U										5
Chromium	P	0.52	10.0 U										10
Lead	P	2.3	10.0 U										10
NOT VALIDATED RESULTS:													
Aluminum	P	5.6	200 U										200
Calcium	P	13.7	20.9 J										5000
Iron	P	8.4	100 U										100
Magnesium	P	28.5	5000 U										5000
Date Sampled:			5/11/2010										
Method: P – ICP-AES			Qualifiers: J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected.										

Prepared by Shaw, EPA Contract Number EP-W-06-005, Task Order Number 4018, Region I Metals Data Validation, June 18, 2010. Modified by Weston Solutions, Inc., Superfund Technical Assessment and Response Team (START), EPA Contract Number EP-W-05-042, August 25, 2010. START modifications include adding the S-1 standard, highlighting exceedances, and amending the title and footers.

Data Summary Table 3  
Metals in Soil Analysis  
mg/Kg

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077 SDG No.: MA2139  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number: MA2139 Sample Location: PEIS6273 Laboratory Sample ID: B2280-01			MA3D61 P022SB17A B2280-02	MA3D62 P022SB17B B2280-03	MA3D66 P022SB17D B2280-04	MA3D80 P022SB18A B2280-05	MA3D81 P022SB18B B2280-06	MA3D82 P022SB18D B2280-07	MA3D84 P022SB18F B2280-08	MA3D85 P022SB17F B2280-09	MA3DB6 P022SB08A B2280-10		
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)										CRQL mg/Kg	
VALIDATED RESULTS:													
Arsenic	0.30	20	35.7	5.8	2.1	0.62 J	4.5	1.0 J	0.46 J	0.45 J	0.80 J	2.3	1.0
Barium	3.5	1000	6.3 J	39.0	15.6 J	23.8	38.2	12.1 J	7.5 J	17.7 J	5.2 J	48.2	20
Cadmium	0.083	2.0	9.3	0.47 U	0.45 U	0.49 U	0.47 U	0.39 U	0.45 U	0.50 U	0.41 U	0.54 U	0.50
Chromium	0.026	30	11.0	10.1	8.3	6.5	8.9	4.3	2.3	6.0	3.3	15.4	1.0
Lead	0.22	300	19.0 J	128 J	25.6 J	2.2 UJ	106 J	11.8 J	1.0 UJ	4.9 J	2.1 UJ	59.9 J	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		1630	6420	6190	4950	6490	3310	1440	3150	2670	5940	20
Calcium	1.4		971	1190	370 J	537	1220	458	539	665	242 J	1620	500
Iron	2.2		2960	8720	7310	6570	10100	4270	2330	4700	3420	9230	10
Magnesium	2.1		321 J	1050	1070	1700	1110	906	487	1330	722	3090	500
Date Sampled:			5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/11/2010	
Sample Number: MA3DB7 Sample Location: P022SB08B Laboratory Sample ID: B2280-11			MA3DB8 P022SB08C B2280-14	MA3DB9 P022SB28C B2280-15	MA3DC0 P022SB08D B2280-16	MA3DE8 P022SB19A B2280-18	MA3DE9 P022SB19B B2280-19	MA3DF0 P022SB19D B2280-20	MA3DF2 P022SB19F B2280-21				
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)										CRQL mg/Kg	
VALIDATED RESULTS:													
Arsenic	0.30	20	2.8	2.6	3.1	0.70 J	4.0	1.1 J	0.28 J	1.4 J		1.0	
Barium	3.5	1000	44.9	77.9	148	10.2 J	23.0	8.4 J	5.5 J	11.5 J		20	
Cadmium	0.083	2.0	0.57 U	0.56 U	0.51 U	0.43 U	0.40 U	0.43 U	0.45 U	0.37 U		0.50	
Chromium	0.026	30	7.9	7.1	9.6	4.3	9.3	5.6	3.3	13.0		1.0	
Lead	0.22	300	87.5 J	126 J	146 J	4.6 J	49.9 J	3.6 J	1.2 UJ	11.2 J		1.0	
NOT VALIDATED RESULTS:													
Aluminum	1.3		4320	4270	6060	4010	7150	5000	1460	4480		20	
Calcium	1.4		5910	10000	10900	1250	623	259 J	584	449		500	
Iron	2.2		6600	5770	6890	4140	7870	5440	2390	5870		10	
Magnesium	2.1		1250	1430	1870	819	1100	1130	562	1300		500	
Date Sampled:			5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010			
Method: P – ICP-AES			Qualifiers: J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected.  Note: Bolded and shaded values exceed Massachusetts Contingency Plan (MCP) S-1 standard.										

Data Summary Table 3  
Metals in Water Analysis  
µg/L

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077      SDG No.: MA2139  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number: MA3DC2													
Sample Location: RB-59													
Laboratory Sample ID: B2280-17													
Analyte	Method	MDL (µg/L)											CRQL µg/L
VALIDATED RESULTS:													
Arsenic	P	3.3	10.0 U										10
Barium	P	2.4	200 U										200
Cadmium	P	0.13	5.0 U										5
Chromium	P	0.52	10.0 U										10
Lead	P	2.3	10.0 U										10
NOT VALIDATED RESULTS:													
Aluminum	P	5.6	39.6 J										200
Calcium	P	13.7	35.6 J										5000
Iron	P	8.4	91.6 J										100
Magnesium	P	28.5	5000 U										5000
Date Sampled:			5/11/2010										
Method: P – ICP-AES			Qualifiers:      J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected.										

Prepared by Shaw, EPA Contract Number EP-W-06-005, Task Order Number 4018, Region I Metals Data Validation, June 18, 2010. Modified by Weston Solutions, Inc., Superfund Technical Assessment and Response Team (START), EPA Contract Number EP-W-05-042, August 25, 2010. START modifications include adding the S-1 standard and amending the title and footers.

Data Summary Table 3  
Metals in Soil Analysis  
mg/Kg

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077 SDG No.: MA2122  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number: Sample Location: Laboratory Sample ID:			MA2122 PEIS0374 B2281-01	MA3D29 P022SB07A B2281-02	MA3D30 P022SB07B B2281-03	MA3D39 P022SB07C B2281-05	MA3D40 P022SB07D B2281-06	MA3D42 P022SB03A B2281-07	MA3D43 P022SB03B B2281-08	MA3D44 P022SB03C B2281-09	MA3D45 P022SB03D B2281-10	MA3D53 P022SB02A B2281-11	
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)											CRQL mg/Kg
VALIDATED RESULTS:													
Arsenic	0.30	20	16.5	3.3	3.3	8.7	0.89 U	5.5	8.7	12.2	1.3 U	<b>23.8</b>	1.0
Barium	3.5	1000	6.5 J	35.6 J	27.6 J	304 J	15.8 J	92.4 J	185 J	310 J	31.0 J	189 J	20
Cadmium	0.083	2.0	13.3	0.42 U	0.55 U	<b>2.7</b>	0.45 U	0.64 U	<b>2.1</b>	<b>3.1</b>	0.63 U	1.5	0.50
Chromium	0.026	30	5.1	10.4	9.2	19.5	6.9	14.3	16.5	25.0	9.5	20.0	1.0
Lead	0.22	300	5.5 J	89.8 J	44.6 J	<b>1850 J</b>	3.8 J	<b>390 J</b>	<b>713 J</b>	<b>1310 J</b>	22.1 J	<b>517 J</b>	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		3120	4920	6220	6730	3330	4300	3580	5050	5990	4430	20
Calcium	1.4		1090	1760	1040	4730	865	1470	1780	2560	2570	3000	500
Iron	2.2		4060	7290	7100	55300	5000	10600	29100	51000	7160	28400	10
Magnesium	2.1		347 J	1380	1490	1280	1490	947	979	875	1800	1350	500
Date Sampled:			5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	
Sample Number: Sample Location: Laboratory Sample ID:			MA3D54 P022SB02B B2281-12	MA3D55 P022SB26B B2281-15	MA3D63 P022SB02C B2281-16	MA3D64 P022SB02D B2281-17	MA3D75 P022SB01A B2281-18	MA3D76 P022SB01B B2281-19	MA3D77 P022SB01C B2281-20	MA3D78 P022SB01D B2281-21	MA3DA5 P022SB09A B2281-22	MA3DA6 P022SB09B B2281-23	
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)											CRQL mg/Kg
VALIDATED RESULTS:													
Arsenic	0.30	20	5.4	5.1	17.1	2.6	<b>68.7</b>	<b>27.5</b>	19.9	1.2 U	1.5 U	9.6	1.0
Barium	3.5	1000	195 J	147 J	339 J	39.9 J	90.5 J	179 J	415 J	26.9 J	32.1 J	41.7 J	20
Cadmium	0.083	2.0	0.79 U	0.84 U	<b>15.1</b>	0.46 U	0.71 U	<b>27.4</b>	<b>33.1</b>	0.61 U	0.45 U	0.55 U	0.50
Chromium	0.026	30	13.3	11.0	21.9	10.0	11.9	18.2	26.8	8.5	13.1	12.8	1.0
Lead	0.22	300	<b>464 J</b>	<b>516 J</b>	<b>3510 J</b>	42.4 J	<b>412 J</b>	<b>631 J</b>	<b>1060 J</b>	32.6 J	34.5 J	83.9 J	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		3690	4370	5190	8350	4900	3530	4290	6320	4300	4920	20
Calcium	1.4		2910	3370	22800	3050	1510	2620	13000	2160	1260	5670	500
Iron	2.2		11300	10500	79000	9700	8310	12300	44500	6300	6940	11800	10
Magnesium	2.1		915	960	1060	2010	686	941	1150	1400	2370	1660	500
Date Sampled:			5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/11/2010	5/11/2010	
Method: P – ICP-AES			Qualifiers: J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected. Note: Bolded and shaded values exceed Massachusetts Contingency Plan (MCP) S-1 standard.										



Data Summary Table 3  
Metals in Soil Analysis  
mg/Kg

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077 SDG No.: MA2124  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number: MA2124 Sample Location: PEIS4420 Laboratory Sample ID: B2277-01			MA3D08 P022SB14A B2277-02	MA3D09 P022SB14B B2277-03	MA3D10 P022SB14C B2277-04	MA3D11 P022SB14D B2277-05	MA3D23 P022SB05A B2277-06	MA3D24 P022SB05B B2277-07	MA3D25 P022SB25B B2277-10	MA3D26 P022SB05C B2277-11	MA3D27 P022SB05D B2277-12		
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)										CRQL mg/Kg	
VALIDATED RESULTS:													
Arsenic	0.30	20	15.8	9.2	3.0	2.7	0.94 J	4.3	2.1	2.4	2.8	1.2	1.0
Barium	3.5	1000	6.4 J	41.6	39.4	49.1	11.5 J	57.3	36.7	41.5	128	11.7 J	20
Cadmium	0.083	2.0	12.9	0.39 J	0.46 U	0.45 U	0.47 U	0.56 U	0.57 U	0.44 U	1.9	0.40 U	0.50
Chromium	0.026	30	4.9 J	13.4 J	8.1 J	7.7 J	6.0 J	11.5 J	9.6 J	11.5 J	9.6 J	7.4 J	1.0
Lead	0.22	300	4.4 J	136 J	76.1 J	55.8 J	2.1 J	156 J	98.4 J	90.1 J	<b>362 J</b>	4.3 J	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		3000	6290	5560	5900	3690	5780	7240	7420	4070	6090	20
Calcium	1.4		1080	1170	2420	5820	317 J	1300	1000	975	1460	1110	500
Iron	2.2		4090	8410	8240	10000	5480	8520	8700	8900	9800	4980	10
Magnesium	2.1		347 J	1210	1520	1530	1280	1220	1460	1540	1120	1150	500
Date Sampled:			5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	
Sample Number: MA3D56 Sample Location: P022SB16A Laboratory Sample ID: B2277-14			MA3D57 P022SB16B B2277-15	MA3D58 P022SB16D B2277-16	MA3D60 P022SB16F B2277-17	MA3D86 P022SB13A B2277-18	MA3D87 P022SB13B B2277-19	MA3D88 P022SB13C B2277-20	MA3D89 P022SB13D B2277-21	MA3DC3 P022SB15A B2277-22	MA3DC4 P022SB15B B2277-23		
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)										CRQL mg/Kg	
VALIDATED RESULTS:													
Arsenic	0.30	20	6.2	1.5	0.90	1.8	0.78 J	17.4	3.8	0.98	6.6	4.5	1.0
Barium	3.5	1000	38.7	23.6	10.5 J	12.1 J	15.1 J	42.5	122	11.6 J	43.9	53.8	20
Cadmium	0.083	2.0	0.45 U	0.49 U	0.38 U	0.45 U	0.42 U	0.41 U	0.95	0.38 U	0.41 U	0.50 U	0.50
Chromium	0.026	30	11.7 J	6.5 J	4.5 J	11.1 J	6.6 J	9.0 J	<b>30.1 J</b>	5.6 J	12.4 J	10.7 J	1.0
Lead	0.22	300	96.8 J	69.0 J	1.6 J	5.2 J	5.2 J	85.7 J	270 J	2.0 J	108 J	180 J	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		5300	3730	3070	7530	3170	5070	4730	3080	5470	6000	20
Calcium	1.4		831	291 J	670	191 J	574	1030	2360	333 J	1780	1400	500
Iron	2.2		7760	5790	5350	8090	4640	9120	20400	5640	7980	10400	10
Magnesium	2.1		1370	1020	1400	1520	1380	1610	1020	1110	1460	1710	500
Date Sampled:			5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	5/11/2010	
Method: P – ICP-AES			Qualifiers: J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected. Note: Bolded and shaded values exceed Massachusetts Contingency Plan (MCP) S-1 standard.										



Data Summary Table 3  
Metals in Soil Analysis  
mg/Kg

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077 SDG No.: MA2182  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number: MA2182 Sample Location: PEIS6174 Laboratory Sample ID: B2253-01			MA2400 P014SB14A B2253-02	MA2401 P014SB14B B2253-03	MA2402 P014SB14C B2253-04	MA2403 P014SB14D B2253-05	MA3C62 P014SB13A B2253-06	MA3C63 P014SB13B B2253-07	MA3C64 P014SB13C B2253-10	MA3C65 P014SB31B B2253-11	MA3C66 P014SB13D B2253-12		
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)										CRQL mg/Kg	
VALIDATED RESULTS:													
Arsenic	0.30	20	43.6	1.5	9.0	6.9	2.2	1.5	3.2	5.7	3.4	3.9	1.0
Barium	3.5	1000	6.7 J	171	336	341	17.0 J	59.8	96.6	253	83.8	70.6	20
Cadmium	0.083	2.0	0.50 U	0.37 U	0.41 U	0.51 U	0.59 U	0.38 U	0.56 U	0.45 U	0.38 U	1.1 U	0.50
Chromium	0.026	30	27.7 J	<b>55.1 J</b>	<b>42.6 J</b>	17.0 J	9.6 J	<b>31.7 J</b>	12.7 J	24.7 J	15.5 J	12.0 J	1.0
Lead	0.22	300	5.8 J	78.6 J	<b>637 J</b>	<b>1000 J</b>	3.9 J	34.3 J	221 J	<b>412 J</b>	177 J	24.6 J	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		1780	9900	5310	4760	3570	7360	5190	4770	6000	8260	20
Calcium	1.4		6710	5210	2380	2740	1450	6670	2820	3400	3130	12100	500
Iron	2.2		4940	16600	38500	24300	4070	12000	9020	15100	9820	5250	10
Magnesium	2.1		326 J	9420	1630	1370	1180	5320	1730	1410	2180	1040 J	500
Date Sampled:			5/3/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	
Sample Number: MA3C68 Sample Location: P014SB12A Laboratory Sample ID: B2253-13			MA3C69 P014SB12B B2253-14	MA3C70 P014SB12C B2253-15	MA3C71 P014SB12D B2253-16	MA3C85 P014SB16A B2253-17	MA3C86 P014SB16B B2253-18	MA3C87 P014SB16C B2253-19	MA3C88 P014SB16D B2253-20	MA3C90 P014SB17A B2253-21	MA3C91 P014SB17B B2253-22		
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)										CRQL mg/Kg	
VALIDATED RESULTS:													
Arsenic	0.30	20	1.7	2.7	4.0	4.1	1.5	2.2	<b>54.0</b>	1.0	2.0	2.4	1.0
Barium	3.5	1000	60.9	33.5	82.4	41.3	78.7	23.1	<b>4120</b>	15.3	37.9	16.7	20
Cadmium	0.083	2.0	0.36 U	0.41 U	0.43 U	1.4	0.42 U	0.48 U	0.58 U	0.37 U	0.41 U	0.40 U	0.50
Chromium	0.026	30	28.3 J	12.3 J	7.2 J	11.0 J	<b>37.6 J</b>	7.2 J	<b>38.4 J</b>	13.6 J	18.8 J	4.8 J	1.0
Lead	0.22	300	35.8 J	50.6 J	124 J	96.9 J	22.3 J	27.6 J	<b>15500 J</b>	11.6 J	53.8 J	6.6 J	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		6390	6020	4920	3160	7430	5050	6580	3270	5620	4660	20
Calcium	1.4		7820	1580	1170	1510	6310	774	19700	1010	2360	431	500
Iron	2.2		10000	9630	10100	24800	11600	8320	104000	5470	8170	7020	10
Magnesium	2.1		4530	2110	1220	966	6080	1130	1540	974	2950	857	500
Date Sampled:			5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	
Method: P – ICP-AES			Qualifiers: J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected. Note: Bolded and shaded values exceed Massachusetts Contingency Plan (MCP) S-1 standard.										

Data Summary Table 3  
Metals in Soil/Water Analysis  
mg/Kg – µg/L

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077      SDG No.: MA2182  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number: MA3C92			MA3C93																	
Sample Location: P014SB17C			P014SB17D																	
Laboratory Sample ID: B2253-23			B2253-24																	
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)																		CRQL mg/Kg
VALIDATED RESULTS:																				
Arsenic	0.30	20	8.3	5.4																1.0
Barium	3.5	1000	326	38.2																20
Cadmium	0.083	2.0	2.3	0.65 U																0.50
Chromium	0.026	30	17.0 J	126 J																1.0
Lead	0.22	300	1690 J	25.5 J																1.0
NOT VALIDATED RESULTS:																				
Aluminum	1.3		5810	10200																20
Calcium	1.4		15600	6760																500
Iron	2.2		25900	4230																10
Magnesium	2.1		2570	829																500
Date Sampled:			5/6/2010	5/6/2010																
Sample Number: MA3CD8																				
Sample Location: RB-46																				
Laboratory Sample ID: B2253-25																				
Analyte	Method	MDL (µg/L)																		CRQL µg/L
VALIDATED RESULTS:																				
Arsenic	P	3.3	3.6 J																	10
Barium	P	2.4	200 U																	200
Cadmium	P	0.13	5.0 U																	5
Chromium	P	0.52	10.0 UJ																	10
Lead	P	2.3	10.0 U																	10
NOT VALIDATED RESULTS:																				
Aluminum	P	5.6	200 U																	200
Calcium	P	13.7	36.6 J																	5000
Iron	P	8.4	100 U																	100
Magnesium	P	28.5	5000 U																	5000
Date Sampled:			5/7/2010																	
Method: P – ICP-AES			Qualifiers:      J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected.																	

Prepared by Shaw, EPA Contract Number EP-W-06-005, Task Order Number 4018, Region I Metals Data Validation, June 16, 2010. Modified by Weston Solutions, Inc., Superfund Technical Assessment and Response Team (START), EPA Contract Number EP-W-05-042, August 25, 2010 START modifications include adding the S-1 standard, highlighting exceedances, and amending the title and footers.

Data Summary Table 3  
Metals in Soil Analysis  
mg/Kg

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077 SDG No.: MA2130  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number: MA2130 Sample Location: PEIS6332 Laboratory Sample ID: B2252-01			MA23Y1 P014SB15A B2252-02	MA23Y2 P014SB15B B2252-03	MA23Y8 P014SB15C B2252-06	MA23Y9 P014SB30C B2252-07	MA23Z0 P014SB15D B2252-08	MA23Z2 P014SB20A B2252-09	MA23Z3 P014SB20B B2252-10	MA23Z4 P014SB20C B2252-11	MA23Z5 P014SB20D B2252-12		
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)										CRQL mg/Kg	
VALIDATED RESULTS:													
Arsenic	0.30	20	9.2	5.1	6.2	10	6.2	1.4 U	2.5	7.0	6.1	3.7	1.0
Barium	3.5	1000	279 J	157 J	193 J	379 J	311 J	17.8 J	79.1 J	188 J	125 J	282 J	20
Cadmium	0.083	2.0	0.50 U	0.49 U	0.56 U	1.1 U	0.43 U	0.64 U	0.36 U	0.41 U	1.6	<b>2.8</b>	0.50
Chromium	0.026	30	13.7	16.7	21.0	28.5	18.3	7.1	22.1	26.5	<b>69.2</b>	<b>35.1</b>	1.0
Lead	0.22	300	8.9 J	<b>384 J</b>	<b>601 J</b>	<b>1290 J</b>	<b>1370 J</b>	10.1 J	101 J	<b>444 J</b>	<b>383 J</b>	<b>494 J</b>	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		3380	4390	4300	4300	4210	2830	5500	4530	3940	11200	20
Calcium	1.4		7510	2170	2000	2600	2380	3700	4260	2930	2120	18700	500
Iron	2.2		2510	13300	18200	31600	13300	3160	10900	55200	34300	23000	10
Magnesium	2.1		279 J	2150	1330	990	1130	822	3320	1650	2110	2410	500
Date Sampled:			5/10/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	
Sample Number: MA2405 Sample Location: P014SB21A Laboratory Sample ID: B2252-13			MA2406 P014SB21B B2252-14	MA2407 P014SB21C B2252-15	MA2408 P014SB21D B2252-16	MA3C49 P014SB19A B2252-17	MA3C50 P014SB19B B2252-18	MA3C51 P014SB19D B2252-19	MA3C73 P014SB19C B2252-20	MA3C95 P014SB18A B2252-21	MA3C96 P014SB18B B2252-22		
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)										CRQL mg/Kg	
VALIDATED RESULTS:													
Arsenic	0.30	20	1.5	16.3	8.5	2.0 U	1.8 U	3.9	5.1	<b>24.3</b>	2.4	7.5	1.0
Barium	3.5	1000	51.5 J	<b>1810 J</b>	<b>2310 J</b>	13.9 J	48.9 J	133 J	117 J	408 J	97.5 J	245 J	20
Cadmium	0.083	2.0	0.41 U	0.44 U	0.38 U	0.45 U	0.36 U	0.57 U	<b>2.4 U</b>	0.56 U	0.43 U	<b>37.3</b>	0.50
Chromium	0.026	30	28.6	<b>954</b>	<b>499</b>	10.0	21.8	12.3	9.4	<b>41.1</b>	24.7	24.4	1.0
Lead	0.22	300	25.3 J	<b>866 J</b>	<b>396 J</b>	3.3 J	38.3 J	273 J	54.7 J	<b>1200 J</b>	141 J	<b>349 J</b>	1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		5280	3790	4100	3560	4760	4290	8280	6300	5410	4000	20
Calcium	1.4		2300	2420	2080	1170	5150	3280	19800	7140	4720	2030	500
Iron	2.2		8970	84700	31500	5820	7680	12000	13300	52100	9990	23800	10
Magnesium	2.1		4390	2580	2170	1900	3380	1320	1160	409 J	3620	1060	500
Date Sampled:			5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	5/6/2010	
Method: P – ICP-AES			Qualifiers: J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. Bolded “U” values indicate concentrations higher than the Massachusetts Contingency Plan (MCP) S-1 standards, but are a result of sample dilution, and do not represent exceedances. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected. Note: Bolded and shaded values exceed Massachusetts Contingency Plan (MCP) S-1 standard.										

Data Summary Table 3  
Metals in Soil/Water Analysis  
mg/Kg – µg/L

SITE: Parker Street Waste Site, New Bedford, MA  
CASE No.: 40077      SDG No.: MA2130  
LABORATORY: ChemTech Consulting Group (CHEM)

Sample Number:		MA3C97	MA3C98										
Sample Location:		P014SB18C	P014SB18D										
Laboratory Sample ID:		B2252-23	B2252-24										
Analyte	MDL (mg/Kg)	S-1 (mg/Kg)											CRQL mg/Kg
VALIDATED RESULTS:													
Arsenic	0.30	20	6.4	2.7 U									1.0
Barium	3.5	1000	316 J	51.0 J									20
Cadmium	0.083	2.0	0.46 U	0.79 U									0.50
Chromium	0.026	30	<b>32.4</b>	11.0									1.0
Lead	0.22	300	<b>611 J</b>	43.3 J									1.0
NOT VALIDATED RESULTS:													
Aluminum	1.3		4010	7400									20
Calcium	1.4		3640	10500									500
Iron	2.2		37600	2770									10
Magnesium	2.1		1000	794									500
Date Sampled:		5/6/2010	5/6/2010										
Sample Number:		MA3CK0											
Sample Location:		RB-47											
Laboratory Sample ID:		B2252-25											
Analyte	Method	MDL (µg/L)											CRQL µg/L
VALIDATED RESULTS:													
Arsenic	P	3.3	10.0 U										10
Barium	P	2.4	200 U										200
Cadmium	P	0.13	5.0 U										5
Chromium	P	0.52	10.0 UJ										10
Lead	P	2.3	10.0 U										10
NOT VALIDATED RESULTS:													
Aluminum	P	5.6	200 U										200
Calcium	P	13.7	29.1 J										5000
Iron	P	8.4	100 U										100
Magnesium	P	28.5	5000 U										5000
Date Sampled:		5/7/2010											
Method: P – ICP-AES			Qualifiers:      J – Quantitation is approximate due to limitations identified in the quality control review. U – Value is non-detected and sample detection limit is reported. UJ – Value is non-detected and sample detection is estimated. R – Value is rejected.										

Prepared by Shaw, EPA Contract Number EP-W-06-005, Task Order Number 4018, Region I Metals Data Validation, June 14, 2010. Modified by Weston Solutions, Inc., Superfund Technical Assessment and Response Team (START), EPA Contract Number EP-W-05-042, August 26, 2010. START modifications include adding the S-1 standard, highlighting exceedances, indicating "U" values higher than the MCP S-1 standards, and amending the title and footers.

SITE: PARKER STREET WASTE SITE  
 PROJECT ID: 10050008  
 LABORATORY: OEME

DATA SUMMARY TABLE 4  
 VOLATILE ORGANIC COMPOUND (VOC) SOIL ANALYSIS  
 µg/Kg

COMPOUND	D26216			D26217		D25875	
	S-1	RL	P-014-SB-09 (0-4') AB04348	RL	P-014-SB-02 (4-8') AB04349	P-014-SB-015 (0-4') AB04344	
1,1,1,2-Tetrachloroethane	100	100	ND	73	ND	450	ND
1,1,1-Trichloroethane	500,000	100	ND	73	ND	450	ND
1,1,2,2-Tetrachloroethane	20	100	ND	73	ND	450	ND
1,1,2-Trichloro-1,2,2-Trifluoroethane	NL	100	ND	73	ND	450	ND
1,1,2-Trichloroethane	2,000	100	ND	73	ND	450	ND
1,1-Dichloroethylene	40,000	100	ND	73	ND	450	ND
1,1-Dichloropropene	NL	100	ND	73	ND	450	ND
1,1-dichloroethane	5,000	100	ND	73	ND	450	ND
1,2,3-Trichlorobenzene	NL	100	ND	73	ND	450	ND
1,2,3-Trichloropropane	NL	100	ND	73	ND	450	ND
1,2,4-Trichlorobenzene	70,000	100	ND	73	ND	450	ND
1,2,4-Trimethylbenzene	NL	100	ND	73	ND	450	ND
1,2-Dibromo-3-Chloropropane	NL	100	ND	73	ND	450	ND
1,2-Dibromoethane	NL	100	ND	73	ND	450	ND
1,2-Dichlorobenzene	30,000	100	ND	73	ND	450	ND
1,2-Dichloroethane	100	100	ND	73	ND	450	ND
1,2-Dichloropropane	100	100	ND	73	ND	450	ND
1,3,5-Trimethylbenzene	NL	100	ND	73	ND	450	ND
1,3-Dichlorobenzene	40,000	100	ND	73	ND	450	ND
1,3-Dichloropropane	NL	100	ND	73	ND	450	ND
1,4-Dichlorobenzene	4,000	100	ND	73	ND	450	ND
2,2-Dichloropropane	NL	100	ND	73	ND	450	ND
2-Butanone (MEK)	50,000	100	ND	73	ND	450	ND
2-Chlorotoluene	NL	100	ND	73	ND	450	ND
2-Hexanone	NL	100	ND	73	ND	450	ND
2-Propanone (acetone)	50,000	100	4,700	73	ND	450	ND
4-Chlorotoluene	NL	100	ND	73	ND	450	ND
4-Methyl-2-pentanone (MIBK)	50,000	100	ND	73	ND	450	ND
Acrylonitrile	NL	100	ND	73	ND	450	ND
Benzene	30,000	100	ND	73	ND	450	ND
Bromobenzene	NL	100	ND	73	ND	450	ND
Bromochloromethane	NL	100	ND	73	ND	450	ND
Bromodichloromethane	NL	100	ND	73	ND	450	ND
Bromoform	1,000	100	ND	73	ND	450	ND
Bromomethane	500	100	ND	370	ND	450	ND
Carbon Disulfide	NL	500	ND	73	ND	450	ND
Carbon tetrachloride	5,000	100	ND	73	ND	450	ND
Chlorobenzene	3,000	100	ND	73	ND	450	ND
Chloroethane	NL	100	ND	73	ND	450	ND
Chloroform	300	100	ND	73	ND	450	ND
Chloromethane	NL	100	ND	73	ND	450	ND
Dibromochloromethane	30	100	ND	73	ND	450	ND
Dibromomethane	NL	100	ND	73	ND	450	ND
Dichlorodifluoromethane	NL	100	ND	73	ND	450	ND
Ethyl ether	NL	100	ND	73	ND	450	ND
Ethylbenzene	500,000	100	1,200	73	ND	450	ND
Hexachlorobutadiene	6,000	100	ND	73	ND	450	ND
Isopropylbenzene	NL	100	ND	73	ND	450	ND
M/P Xylene	300,000	100	3,600	150	ND	890	ND
Methyl-t-Butyl Ether	100,000	200	ND	73	ND	450	ND
Methylene Chloride	NL	100	ND	73	ND	450	ND
N-Butylbenzene	NL	100	ND	73	ND	450	ND
N-Propylbenzene	NL	100	ND	73	ND	450	ND
Naphthalene	40,000	100	ND	73	990	894	24,000
Ortho Xylene	300,000	100	480	73	ND	450	ND
Para-Isopropyltoluene	NL	100	ND	73	ND	450	ND

SITE: PARKER STREET WASTE SITE  
 PROJECT ID: 10050008  
 LABORATORY: OEME

DATA SUMMARY TABLE 4  
 VOLATILE ORGANIC COMPOUND (VOC) SOIL ANALYSIS  
 µg/Kg

COMPOUND	D26216		D26217		D25875		
	S-1	RL	RL	RL	RL	RL	
Sec-Butylbenzene	<b>NL</b>	100	ND	73	ND	450	ND
Styrene	<b>4,000</b>	100	ND	73	81	450	ND
Tert-Butylbenzene	<b>NL</b>	100	ND	73	ND	450	ND
Tetrachloroethylene	<b>10,000</b>	100	ND	73	ND	450	ND
Tetrahydrofuran	<b>NL</b>	100	ND	73	ND	450	ND
Toluene	<b>500,000</b>	100	930	73	ND	450	ND
Trans-1,2-Dichloroethylene	<b>1,000</b>	100	ND	73	ND	450	ND
Trichloroethylene	<b>2,000</b>	100	ND	73	ND	450	ND
Trichlorofluoromethane	<b>NL</b>	100	ND	73	ND	450	ND
Vinyl Acetate	<b>NL</b>	100	ND	73	ND	450	ND
Vinyl Chloride	<b>600</b>	100	ND	73	ND	450	ND
c-1,3-dichloropropene	<b>400</b>	100	ND	73	ND	<b>450</b>	<b>ND</b>
cis-1,2-Dichloroethylene	<b>400</b>	100	ND	73	ND	<b>450</b>	<b>ND</b>
t-1,3-Dichloropropene	<b>400</b>	100	ND	73	ND	<b>450</b>	<b>ND</b>

DILUTION FACTOR:	50	50	250
DATE SAMPLED:	5/7/2010	5/7/2010	5/6/2010
DATE EXTRACTED:	5/12/2010	5/12/2010	5/13/2010
DATE ANALYZED:	5/12/2010	5/12/2010	5/13/2010
SAMPLE WEIGHT (GRAMS):	4.944	6.86	5.593
% MOISTURE:	N/A	N/A	N/A

**NOTES:** START HAS REPORTED THE DATA AS IT WAS RECEIVED FROM THE EPA OEME LABORATORY. START HAS NOT PERFORMED DATA VALIDATION OF THE EPA OEME LABORATORY DATA. AN INTERNAL DATA REVIEW WAS PERFORMED BY EPA OEME LABORATORY PERSONNEL PRIOR TO SUBMITTAL TO THE EPA CONTRACTING OFFICER'S REPRESENTATIVE.

OEME = EPA OFFICE OF ENVIRONMENTAL MEASUREMENT AND EVALUATION

RESULTS ARE REPORTED ON A WET WEIGHT BASIS.

RL = REPORTING LIMIT

ND = NOT DETECTED ABOVE REPORTING LIMIT.

J = VALUE IS ESTIMATED.

J4 = ESTIMATED VALUE DUE TO STANDARD REFERENCE MATERIAL RESULT OUTSIDE ACCEPTANCE CRITERIA.

µg/Kg = MICROGRAMS PER KILOGRAM

\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.

BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.

BOLDED "ND" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.

NL = NOT LISTED

MCP = MASSACHUSETTS CONTINGENCY PLAN

N/A = NOT APPLICABLE

E = ESTIMATED VALUE EXCEEDS THE CALIBRATION RANGE

SITE: PARKER STREET WASTE SITE  
PROJECT NO.: 1005008  
LABORATORY: OEME

DATA SUMMARY TABLE 5  
TOTAL CYANIDE SOIL ANALYSIS  
mg/Kg

SAMPLE NUMBER: D26218  
SAMPLE LOCATION: P-014-SB-02 (4-8')  
LABORATORY NUMBER: AB04350

ANALYTE	S-1	RL
TOTAL CYANIDE	100	13

**1,200**

DILUTION FACTOR: 50  
DATE SAMPLED: 5/7/2010  
DATE EXTRACTED: 5/18/2010  
DATE ANALYZED: 5/20/2010

**NOTES:** START HAS REPORTED THE DATA AS IT WAS RECEIVED FROM THE EPA OEME LABORATORY. START HAS NOT PERFORMED DATA VALIDATION OF THE EPA OEME LABORATORY DATA. AN INTERNAL DATA REVIEW WAS PERFORMED BY EPA OEME LABORATORY PERSONNEL PRIOR TO SUBMITTAL TO THE EPA CONTRACTING OFFICER'S REPRESENTATIVE.  
OEME = EPA OFFICE OF ENVIRONMENTAL MEASUREMENT AND EVALUATION  
RL = REPORTING LIMIT  
ND = NOT DETECTED ABOVE THE REPORTING LIMIT.  
J = VALUE IS ESTIMATED.  
J4 = ESTIMATED VALUE DUE TO STANDARD REFERENCE MATERIAL RESULT OUTSIDE ACCEPTANCE CRITERIA.  
mg/Kg = MILLIGRAMS PER KILOGRAM  
\* = REPORTED VALUE IS FROM DILUTED ANALYSIS.  
BOLDED AND SHADED VALUES EXCEED MCP S-1 CRITERIA.  
BOLDED "U" VALUES INDICATE CONCENTRATIONS HIGHER THAN THE MCP S-1 STANDARDS, BUT ARE A RESULT OF SAMPLE DILUTION, AND DO NOT REPRESENT EXCEEDANCES.  
MCP = MASSACHUSETTS CONTINGENCY PLAN