UTILITY-RELATED ABATEMENT MEASURE STATUS REPORT

New Andre McCoy Field (Former Keith Junior High School)
70 Hathaway Boulevard
New Bedford, Massachusetts
Release Tracking Number 4-15685

Prepared for:

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

Prepared by:

TRC Environmental Corporation
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(978) 970-5600

January 2010

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70 Hathaway Boulevard
New Bedford, Massachusetts

Release Tracking Number (RTN) 4-15685

TRC Project Number: 115058

TRC Environmental Corporation (TRC) is submitting this Utility-Related Abatement Measure Status Report (URAM Status Report) to the Massachusetts Department of Environmental Protection (MassDEP) on behalf of the City of New Bedford (City) in accordance with 310 CMR 40.0460 of the Massachusetts Contingency Plan (MCP). This URAM Status Report addresses the utility-related construction activities undertaken at the New Andre McCoy Field (Former Keith Junior High School; the Site) to date. The construction activities initiated under the URAM submitted to MassDEP on September 22, 2009 include the installation of a horizontal directionally-drilled force main storm sewer, drainage, domestic water and fire lines. Design modifications to the force main storm sewer were made following submittal of the URAM. Following additional correspondence pertaining to the design and implementation of the directional-drilling activities, TRC prepared a Revised URAM (URAM amendment), which was submitted to MassDEP on December 15, 2009. The construction activities, including the force main pathway, addressed in this URAM Status Report include portions of properties that are part of the Parker Street Waste Site (PSWS). The PSWS disposal site is tracked by the MassDEP under Release Tracking Number (RTN) 4-15685. A site location map is provided as Figure 1.

This URAM Status Report is organized as follows: Section I (Background) briefly summarizes information on TRC's involvement with the Site and the objectives of the URAM Status Report. Section II (URAM Status Report) provides the information required for a URAM Status Report under the MCP, as set forth under 310 CMR 40.0465(2). Section III (References) lists information sources relied upon in the preparation of this URAM Status Report. Attachment A contains the City's notification letter to the United States Environmental Protection Agency (USEPA). Attachment B contains the USEPA response letter to the City. Attachment C contains the URAM amendment submittal provided to MassDEP on December 15, 2009. Attachment D contains select URAM-related photographs. Attachment E contains dust monitoring data and field logs.

I. BACKGROUND

In January 2009, TRC met with representatives of the City and Mount Vernon Group Architects (MVG) concerning a proposed redevelopment of the former Keith Junior High School property (70 Hathaway Boulevard) as an outdoor athletic complex with a support building for showers, lockers, concessions, etc., parking lot expansion, and associated storm water infrastructure improvements. TRC advised that contaminated soil displaced by construction activity requires

appropriate management under the MCP and supporting MassDEP policies and guidance documents such as:

- The Anti-Degradation Provisions of the MCP (310 CMR 40.0032(3)); and
- MassDEP policy number WSC-00-425 for *Construction of Buildings in Contaminated Areas* (a.k.a., Construction Policy)

TRC recommended the preparation of a Release Abatement Measure (RAM) Plan to address the construction work on the property and a URAM for proposed subsurface utility installations (i.e., force main storm sewer, drainage, electrical, water and/or irrigation lines) within the footprint of the PSWS. The force main storm sewer represented the most complicated utility installation, as it was designed to traverse areas of known contaminant impacts beneath the Keith Junior High School property, Hunter Street, the Dr. Paul F. Walsh Memorial Field athletic complex (Walsh Field), and the New Bedford High School (NBHS) property.

The URAM was originally filed with MassDEP on September 22, 2009 and addressed the installation of the utilities outlined above. The September 22, 2009 URAM referenced TRC's RAM Plan for soil removal in support of risk reduction and construction activity at the New Andre McCoy Field (Former Keith Junior High School) which describes measures to be taken to minimize soil disturbance to the extent practicable and mitigate potential fugitive dust generation (TRC, 2009a). The URAM was designed to adhere to the environmental monitoring procedure and the Soil Management Plan (SMP) detailed in the April 13, 2009 RAM Plan.

The September 22, 2009 URAM included the construction of a force main storm sewer. As detailed in construction documents for the new athletic complex obtained from MVG, the force main sewer is designed to provide storm drainage for a new support building (i.e., showers, locker rooms, concessions). The force main sewer was designed to be horizontally directionally drilled from the northeastern portion of the New Andre McCoy Field athletic complex (i.e., from a newly constructed pump station) to a connection with the existing storm sewer system at the intersection within Hathaway Boulevard. Constructed of polyethylene, the new force main will extend approximately 800 linear feet and cross beneath various portions of the PSWS noted above. Figure 2 shows the approximate originally proposed force main sewer pathway.

During a meeting in preparation for commencement of the directional drilling activities on September 29, 2009, it was brought to TRC's attention by the construction contractor that two additional entry/exit point excavations were now required, that a portion of the pathway for the force main had been adjusted to eliminate a double curve and that the size of the force main had increased to 8-inches in diameter. As indicated in Figure 2, the adjusted portion of the pathway is located in the southwestern portion of the NBHS property. In this area the previously proposed double curve in the pathway has been straightened to provide a more direct force main route. Two additional access excavations were also proposed, including one adjacent to Hunter Street (within Walsh Field) and one north of the intersection of Parker Street and Hunter Street (within the NBHS property). The additional excavations within the Walsh Field and NBHS properties were designed to allow for installation of fused joints in locations where the drill rig cannot make the desired turn.

In accordance with the Final Approval for Risk-Based Cleanup and Disposal letter from the USEPA to the City dated September 22, 2005 (USEPA, 2005), the City of New Bedford was to assess specific properties, and to develop cleanup plans for polychlorinated biphenyl (PCB) contamination if regulated under the Toxic Substance Control Act (TSCA). Alternatively, the City was to provide justification as to why the contamination was not regulated for cleanup under 40 CFR Part 761. Given the modification to the design of the proposed force main, particularly with regard to the addition of open excavations within portions of the Walsh Field and NBHS properties where fill material related to the PSWS is likely to be encountered and which has low concentrations of PCBs, the City submitted a letter to the USEPA (Kim Tisa) detailing the proposed modifications on October 26, 2009. The City's letter summarized the project background, proposed design modifications and presented information, including subsurface soil analytical results, to facilitate the USEPA's evaluation of the regulatory applicability, particularly with regard to the applicability of the definition of PCB Remediation Waste under 40 CFR Part 761.3. The City's letter is presented as Attachment A. At that time the directional drilling aspect of the URAM was put on hold pending USEPA's response to the design modifications.

The USEPA (Mary Sanderson) issued a written response to the City's letter on November 12, 2009 supporting a determination that soils that were likely to be displaced during the project did not meet the definition of PCB Remediation Waste as defined in 40 CFR Part 761.3. The USEPA's response letter is presented as Attachment B. The City was advised that horizontal directional drilling activities could proceed as specified in the October 26, 2009 letter.

A project kick-off meeting was attended by representatives of the City, the City's construction contractor (David W. White & Sons; DW White) and the directional drilling subcontractor (Jade Horizontal Directional Drilling; Jade) on December 4, 2009. Based on the December 4, 2009 meeting and subsequent conversations with the City and DW White, TRC learned of additional modifications to the proposed directional drilling project. TRC determined that further USEPA consideration and approval may be required and summarized the proposed modifications in an email to USEPA (Kim Tisa) on December 6, 2009. The City was advised that no work should commence until the USEPA responded to the proposed modifications.

Following further communication between the City, DW White and TRC, a teleconference call was scheduled for December 10, 2009 to discuss the design modifications and outline a path forward for the project. The teleconference call included representatives from the City, USEPA, MassDEP, DW White and TRC. An email summarizing the teleconference call was distributed by TRC on December 10, 2009. Once again, the City was advised that no work should commence, with the exception of MassDEP's verbal approval of preparatory activities (e.g., temporary fencing installation), prior to approval by both the USEPA and MassDEP on the proposed modification, including any as needed additional regulatory submittals.

The USEPA (Kim Tisa) issued an approval to proceed via email on December 14, 2009. The MassDEP (Molly Cote) also issued a preliminary approval to proceed via email on December 14, 2009 pending submittal of an amendment to the existing URAM on file with the MassDEP. A revised URAM amendment memorandum detailing the directional drilling design modifications was submitted to MassDEP via e-DEP on behalf of the City on December 15, 2009 and is included as Attachment C. The URAM amendment summarized both the previously approved

design modifications (USEPA approval letter dated November 12, 2009) and those which developed following the December 4, 2009 project meeting which include the following:

- Excavation, temporary stockpiling, backfilling and environmental monitoring associated with an exploratory test excavation adjacent to Hathaway Boulevard to locate existing electrical and communication duct banks prior to proceeding with horizontal drilling.
- Creation of a securely fenced work area/staging area north of Parker Street within the NBHS campus (see Figure 2). The temporary chain-link fence to enclose and secure the work area/staging area was installed by directly driven fence posts. The area encloses the drill rig, vacuum excavation rig (Vac-Rig), drilling supplies (e.g., drill rods), an entry/exit point excavation, temporary soil stockpiles and temporarily stored drilling fluids. Disturbance of surface soils would be minimized through the use of steel plating or equivalent.
- Shifting of the entry/exit point excavation within the staging area slightly northeast to accommodate a direct drilling line to the Hathaway Boulevard tie-in point. This modification eliminated the need for an entry/exit point excavation adjacent to Hathaway Boulevard as indicated in Figure 2.
- Temporary stockpiling of soils excavated in association with the drilling activities on and covered with 6 mil polyethylene sheeting within the enclosed work area/staging area in accordance with the existing RAM Plan and associated SMP (Figure 2).
- Collection of spent drilling fluids (saturated mixture of bentonite slurry and soil material) at entry/exit point excavations using a Vac-Rig. Containerizing (e.g., sludge box) the material for temporary storage within the staging area and appropriate sampling and characterization of the material for offsite disposed (Figure 2). No onsite dewatering consisting of draining or decanting.
- To reach the desired depth at the entry/exit point excavations, the drill rig needs to be staged approximately 40-feet from the entry/exit point excavations. In addition, the drill rig needs to be set in a small (0.5 to 1.0 foot deep) excavation to achieve an appropriate entry angle.
- A 4-inch pilot hole is drilled first, followed by threading of the larger 8-inch pipe through the pilot hole as a reaming head expands the hole to 12-inches in diameter.
- Once the pipe is installed, the individual sections are fused at each of the entry/exit point excavations. The only new permanent structures along the pipeline pathway will be City requested clean-outs.

The URAM amendment also outlined the order of events, soil management practices, backfilling procedures and implementation of environmental oversight and monitoring. Jade estimated that approximately 7,000 gallons (approximately 32 yd^3) of a drilling slurry/soil mixture would be removed during the project and require offsite disposal. In accordance with the URAM, to the degree feasible all excavations would be backfilled with the originally excavated material. Excess material would be sampled and disposed of offsite as noted in the October 26, 2009 notification letter. Environmental oversight and monitoring would follow those procedures detailed in the RAM Plan, including fugitive dust monitoring and work zone volatile organic compound (VOC) air monitoring.

A revised discussion concerning the applicability of TSCA was also included in the December 15, 2009 URAM amendment. Based on review of the available data, it was determined that the decision in the November 22, 2009 USEPA response letter that the soil is not classified as a PCB Remediation Waste as defined in 40 CFR Part 761 was still applicable.

Public notification to the local citizens and activities groups regarding the proposed work was conducted by the City prior to disturbance of subsurface soil in support of drilling activities.

Verbal approval to implement the aforementioned URAM amendment construction activities was granted by MassDEP (Molly Cote) via a teleconference call on December 21, 2009. This URAM Status Report has been prepared to document the utility-related construction activities since the original URAM filing on September 22, 2009.

II. UTILITY-RELATED ABATEMENT MEASURE STATUS REPORT (310 CMR 40.0465)

This URAM Status Report is organized according to the minimum information needs set forth under 310 CMR 40.0465(2)(a) through (e) of the MCP.

(a) The Status of Response Operations

The following URAM related activities took place during this reporting period:

- Installation of fire line and domestic water line for New Andre McCoy Field support building (i.e., showers, locker rooms, concessions, etc.).
- Installation of sewer and drainage lines within the parking lot.
- Installation of horizontally directionally drilled force main storm sewer line including the following tasks:
  - Pre-construction site walk.
  - Excavation and setting of pump chamber.
  - Development of enclosed staging area including, installation of chain-link fencing via driven-post techniques and plating of ground surface.
  - Excavation of test pits to locate existing underground utilities.
  - Excavation of entry/exit point excavations within the staging area, Hathaway Boulevard and Walsh Field, including segregation and stockpiling within the staging area.
  - Drilling of pilot holes, reaming and threading of piping between entry/exit point excavations along entire pipeline route.
  - Collection of slurry/soil mixture using Vac-Rig with temporary storage within the staging area.
  - Fusing of the pipeline joint, construction of clean-out and backfilling of the entry/exit point excavation within Walsh Field.
  - Fusing of the pipeline joint and construction of the clean-out within the staging area.

These activities took place between September 29, 2009 and January 14, 2010. TRC provided field oversight including dust monitoring and VOC field screening in accordance with the procedures detailed in the RAM Plan. Excavated soil material was managed in accordance with the existing URAM amendment and RAM Plan and associated SMP.

Following a site walk and discussion of the proposed directional drilling pathway on September 29, 2009, the excavation of the pump chamber (corresponding to the directional drilling entry/exit point excavation within the New Andre McCoy Field athletic complex), installation of a fire line and installation of a domestic water line occurred between October 20, 2009 and October 23, 2009. The pump chamber was subsequently set on October 30, 2009. The fire and domestic water lines will provide service to the athletic complex support building and were

connected into the existing City infrastructure along the west side of Hunter Street. A small trench (approximately 3-feet wide by 4-feet deep) was excavated to place the fire and domestic water lines. Note that the trench bisected a previously remediated portion of the Site (RAM Plan Area 2) where contaminated soil was excavated to a depth of approximately 6 feet below grade and subsequently backfilled. The existing RAM Plan and August 10, 2009 RAM Status Report (TRC, 2009b) describe these remediation activities in detail. Excavated soil material was temporarily stockpiled onsite and, to the degree feasible, the trench was backfilled with the originally excavated soil material. Soil material from outside the footprint of the previous remediation efforts that was permanently displaced was stockpiled on and covered with 6 mil polyethylene sheeting pending offsite management (reuse, recycling, and/or disposal).

On November 19 and 20, 2009 a sewer and a drainage line were installed within the northeast portion of the Site. Shallow trenches were excavated for placement of the sewer and drainage lines designed to be connected to the existing City infrastructure within Hunter Street. A new manhole structure associated with the sewer line will be built at a later date. Soil material displaced during these activities was temporarily stockpiled onsite. To the degree feasible, soil material was returned to the excavation. Soil material that was displaced was stockpiled on and covered with 6 mil polyethylene sheeting pending offsite disposal. Attachment D includes select photographs of the sewer and drainage line installation.

Temporary fencing for enclosing the horizontal directional drilling work area/staging area was installed on December 11, 2009. All of the fence posts were directly driven, with no associated excavation of subsurface material.

Preparatory work (e.g., snow removal in staging area, delivery and placement of plating, staging of roll-off containers, mobilization of the drill rig, initiation of fusing of pipe sections, etc.) continued from December 24, 2009 through December 30, 2009. Due to mechanical equipment issues, the first phase of drilling (i.e., drilling of the pilot hole from the staging area to Hathaway Boulevard) did not begin until December 31, 2009. Between December 31, 2009 and January 13, 2010 the pilot holes were drilled and the force main storm sewer pipe was threaded into place. Attachment D presents select photographs depicting the horizontal directional drilling activities.

As of January 15, 2010 the following items in association with the horizontal directional drilling activities remain to be completed:

- Backfilling of the entry/exit point excavation within the staging area.
- Connection of the force main to the pump chamber.
- Final repair of the road surface in association with the Hathaway Boulevard entry/exit point excavation.
- Placement of documented uncontaminated loam in upper 6-inches of the entry/exit point excavations for lawn refurbishment.
- Analytical testing and offsite disposal of permanently displaced soil material and containerized slurry/soil mixture.
- Removal of the staging area plating and fencing.

The above referenced aspects of the URAM will be detailed under a future regulatory submittal.

(b) Significant New Site Information or Data

Construction of utilities within the footprint of the PSWS disposal site in association with the New Andre McCoy Field athletic complex have progressed in accordance with the September 22, 2009 URAM and December 15, 2009 URAM amendment. Due to the complex nature of horizontal directional drilling the following modifications to the scope of work were made based on field conditions:

- **Drilling Fluid Management** - While reaming and threading the pipe from the Hathaway Boulevard excavation to the staging area, drilling fluids (slurry/soil mixture) began to build up at the small excavation within the staging area where the drill rig was located. It was anticipated that drilling fluids would only need to be recovered from the Hathaway Boulevard excavation during this phase of the drilling. In order to properly contain and manage the fluids, a small (approximately 3-foot by 4-foot by 3-foot deep) "sister" excavation was opened to collect the fugitive drilling fluids. The excavated material was stockpile on 6 mil polyethylene sheeting and covered with polyethylene sheeting within the staging area. The Vac-Rig collected the drilling fluids from the "sister" excavation for future testing and offsite disposal.
- **Exploratory Test Pit** - A small test pit was excavated on January 8, 2010 within Walsh Field to locate existing electrical and communication lines that crossed the force main pathway (see Figure 2). Although not originally proposed in the URAM amendment, the test pit was necessary from a health and safety standpoint (electrocution). Soil excavated from the test pit was temporarily stockpiled on and covered with 6 mil polyethylene sheeting and returned to the excavation immediately upon location of the conduits.
- **Route Modification** - Given the site conditions it was determined on January 11, 2010 that Jade would now drill directly northeast from access excavation with the New Andre McCoy Field pump chamber to the entry/exit point excavation within Walsh Field. This would bypass the originally proposed pipeline arc as indicated in Figure 2. The modification is only to the pipeline pathway and does not add or modify the number or location of entry/exit point excavations, drilling procedures or the project timeline.
- **Drill Rig Stabilization** – The drill rig used throughout the project requires stabilization through the deployment of small hydraulic footings. The footings penetrate to a shallow depth below the ground surface. No soil is displaced (i.e., excavated) during this process, however the footings will be dry brushed prior to leaving the site and the lawn may need to be refurbished in those areas where the rig was staged.

These changes do not represent a significant modification to the existing URAM or URAM amendment, but represent adjustments to developments and field observations common to construction projects. TRC provided field oversight, including dust monitoring and VOC field screening, in accordance with those procedures detailed in the RAM Plan during implementation of the above referenced modifications. Excavated soil material was managed in accordance with the existing RAM Plan and associated SMP.

(c) Details of and/or Plans for the Management of Remediation Waste, Remedial Wastewater, and/or Remedial Additives

As indicated above, all soil permanently displaced during URAM related response actions conducted between October 20, 2009 and January 14, 2010 were stockpiled on 6 mil polyethylene sheeting and covered with polyethylene sheeting for temporary storage in accordance with the RAM Plan and associated SMP. Material associated with the installation of the sewer, drain, domestic water line and fire line is staged within the secure New Andre McCoy Field construction site. Material generated from the installation of the force main (i.e., soil and slurry/soil mixture) is temporarily stockpiled within the work area/staging area. This material is also staged on temporary plating. Pending disposal characterization sampling and analysis, the material will be transported offsite for reuse, recycling, and/or disposal at an appropriately qualified facility.

(d) Other Necessary Information

With the exception of the October 20, 2009 through October 23, 2009 activities, when construction activities were focused in an area of previous remediation and TRC was not onsite, dust monitoring was performed during the above activities in accordance with the procedures outlined in Section 6 of the RAM Plan. Dust levels did not exceed the prescribed action limit of 150 micrograms per cubic meter (ug/m^3) at any of the monitoring locations (e.g., upwind, downwind and within the work zone) during any of the construction activities sustained over 15 minutes. Data was downloaded daily and is included along with daily log sheets in Attachment E.

Due to an oversight during the calibration procedures, data was logged at one second intervals (rather than the prescribed one minute interval) at each monitoring location on November 19, 2009. This oversight did not influence the quality of the data recorded, just the volume of data points. Due to a battery malfunction, dust monitoring data was not automatically recorded from the downwind monitor beyond approximately 14:38 on December 30, 2009. As a result, the last approximately 25 to 30 minutes of data for that unit was not recorded. Visual monitoring by onsite personnel did not indicate a fugitive dust concern during this time period. In addition, an internal battery malfunction with the upwind monitor on December 31, 2009 required replacement of the unit. As a result, no upwind data was recorded beyond approximately 11:51 on that date (i.e., approximately the last two hours of monitoring on that date). Visual monitoring by onsite personnel did not indicate a fugitive dust concern during this time period and field data was recorded by the TRC geologist on-site in response to the malfunction.

TRC provide environmental oversight on December 24, December 28 and December 29, 2009, however onsite activities (e.g., site preparation, equipment troubleshooting, utility clearance and general project delays) and/or weather conditions did not require fugitive dust monitoring. Note that dust monitoring was conducted on December 28, 2009, however this monitoring was in association with RAM related activities and will be reported under a future RAM related submittal.

Work zone VOC air monitoring was conducted in association with the above reference activities in accordance with the RAM Plan. To date no levels in excess of background total VOC concentrations have been detected.

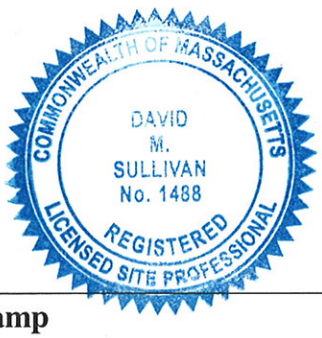
(e) LSP Opinion

The objective of this URAM Status Report is to apprise MassDEP of City activities associated with installation of various utilities within the PSWS disposal site boundary during construction of the New Andre McCoy Field athletic complex.

This URAM Status Report has been prepared in accordance with 310 CMR 40.0465 as set forth in the MCP.

David M. Sullivan, LSP, CHMM
TRC Environmental Corporation
Licensed Site Professional No. 1488

1/15/2010
Date



Stamp

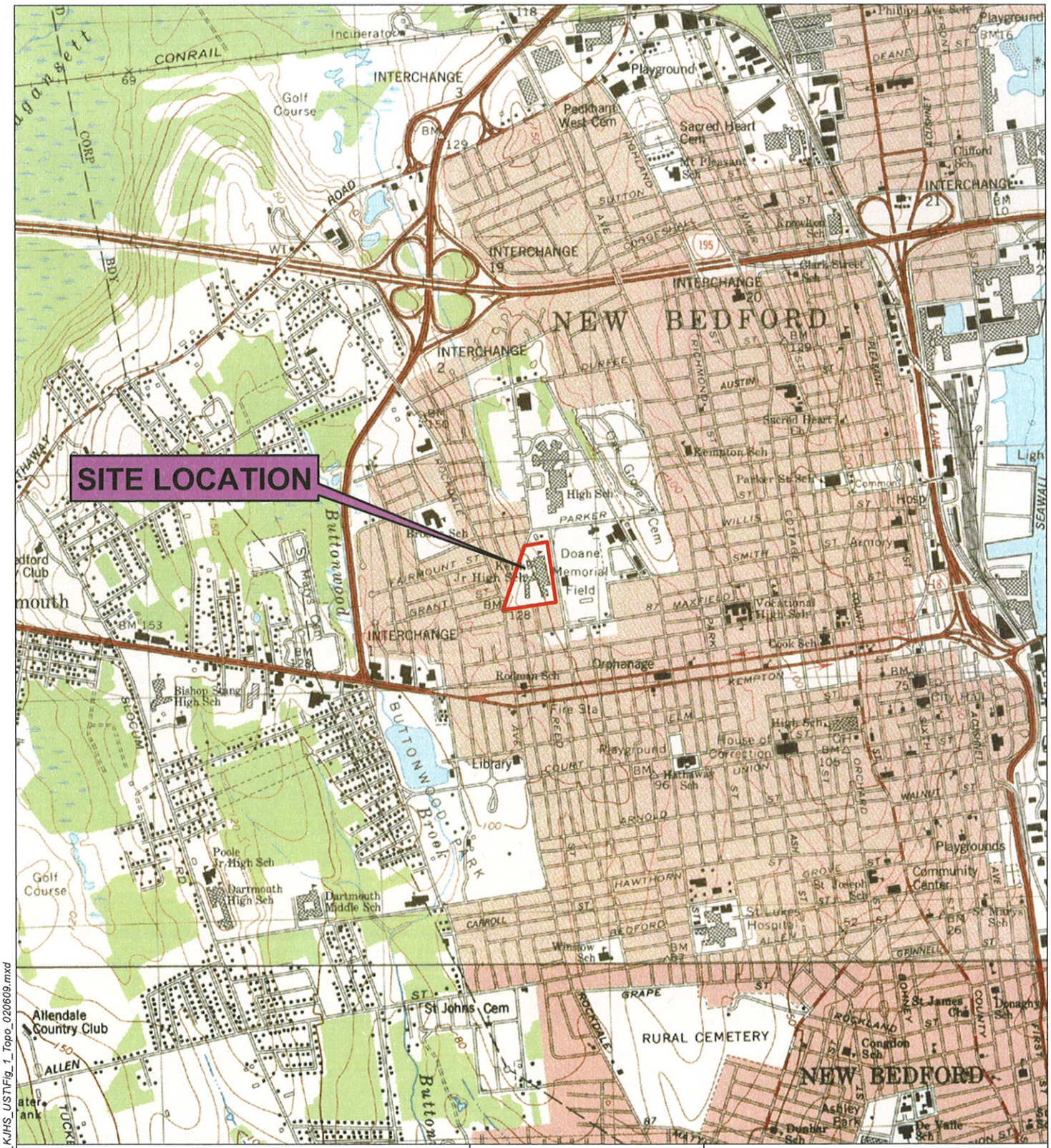
III. REFERENCES

TRC, 2009a. *Release Abatement Measure Plan, New Andre McCoy Field (Former Keith Junior High School) Soil Removal in Support of Risk Reduction and Construction Activity, 70 Hathaway Boulevard, New Bedford, Massachusetts.* Prepared for: City of New Bedford, 133 William Street, New Bedford, Massachusetts 02740. Prepared by: TRC Environmental Corporations, Wannalancit Mill, 650 Suffolk Street, Lowell, Massachusetts 01854. April 2009.

TRC, 2009b. *Release Abatement Measure Status Report, New Andre McCoy Field (Former Keith Junior High School) Soil Removal in Support of Risk Reduction and Construction Activity, 70 Hathaway Boulevard, New Bedford, Massachusetts.* Prepared for: City of New Bedford, 133 William Street, New Bedford, Massachusetts 02740. Prepared by: TRC Environmental Corporations, Wannalancit Mill, 650 Suffolk Street, Lowell, Massachusetts 01854. August 2009.

USEPA, 2005 Letter to Scott Alfonse, Director, City of New Bedford Department of Environmental Stewardship from Robert W. Varney, Region 1 Regional Administrator, United States Environmental Protection Agency, Boston, Massachusetts. Re: Approval for Risk-Based PCB Remediation Under 40 CFR Part 761.61(c), September 22, 2005.

FIGURES



Approximate Site Boundary

N

0 1,000 2,000 Feet

MASSACHUSETTS

SITE LOCATION

TRC

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

SITE LOCATION MAP

ANDREA MCCOY FIELD SITE

NEW BEDFORD, MA

FIGURE 1	FEBRUARY 2009

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

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NOTES:
1. ALL BORINGS, WELLS, AND SOIL GAS LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE AND ARE BASED ON SITE CONDITIONS AND BEST PROFESSIONAL JUDGEMENT.
2. ALL BETA POINTS ARE APPROXIMATE.
3. AERIAL SOURCE: MASSGIS 2005

LEGEND:

- APPROXIMATE ORIGINALLY PROPOSED FORCE MAIN PATHWAY
- APPROXIMATE ORIGINALLY PROPOSED DRILLING ACCESS EXCAVATIONS
- APPROXIMATE ADJUSTED FORCE MAIN PATHWAY (OCTOBER 2009)
- APPROXIMATE ADDITIONAL DRILLING ACCESS EXCAVATIONS (OCTOBER 2009)
- APPROXIMATE ADJUSTED FORCE MAIN PATHWAY (DECEMBER 2009)
- APPROXIMATE ADDITIONAL DRILLING ACCESS EXCAVATIONS (DECEMBER 2009)
- APPROXIMATE ADJUSTED FORCE MAIN PATHWAY (JANUARY 2010)
- APPROXIMATE STAGING AREA
- APPROXIMATE TEST PIT LOCATION
- APPROXIMATE SOIL STOCKPILE AREA
- APPROXIMATE TEMPORARY SLURRY HOLDING AREA
- APPROXIMATE DRILL RIG ORIENTATIONS

APPROXIMATE GRAPHIC SCALE

0' 30' 60' 120'

ENVIRONMENTAL INVESTIGATION AND RELATED ENVIRONMENTAL CONSULTING SERVICES
NEW BEDFORD HIGH SCHOOL & SURROUNDING NEIGHBORHOOD
NEW BEDFORD, MASSACHUSETTS

NEW ANDRE McCOY FIELD

PROPOSED DIRECTIONAL DRILLING PATHWAY

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

FIGURE 2

DRAWN BY: HWB
CHECKED BY: JBS
DATE: JAN 2010

FILE: T:\E_CAD\115058\McCOY 1-11-10.dwg

ATTACHMENT A

City Letter to USEPA (October 26, 2009)

ENVIRONMENTAL STEWARDSHIP DEPARTMENT/

NEW BEDFORD CONSERVATION COMMISSION

CITY OF NEW BEDFORD
SCOTT W. LANG, MAYOR

October 26, 2009

Kimberly N. Tisa, PCB Coordinator
United States Environmental Protection Agency
1 Congress Street, Suite 1100
Boston, Massachusetts 02114-2023

RE: Information Regarding Directionally Drilled Storm Drain Force Main
New Andre McCoy Field (Former Keith Junior High School)
70 Hathaway Boulevard
New Bedford, Massachusetts

Dear Ms. Tisa:

The purpose of this letter is to provide notice to the United States Environmental Protection Agency (USEPA) that the City of New Bedford (City) is preparing to commence activities, including implementation of recent design modifications, related to the installation of a horizontally directionally drilled storm drain system extending from the northeastern corner of the New Andre McCoy Field athletic complex (McCoy Field) to connect with an existing drainage system at the intersection of Hathaway Boulevard and Greenwood Street. The purpose of the new force main is to provide drainage for a new support building (i.e., showers, locker rooms, concessions) that will be constructed as part of the athletic complex. The work will be performed by the City in accordance with a Utility-Related Abatement Measure (URAM) consistent with the requirements set forth in the Massachusetts Contingency Plan (MCP; 310 CMR 40.0460). The URAM provides a mechanism for the installation of utilities at sites where contamination is present in soil and/or groundwater and will in no way limit or impede the implementation of future response actions or a full remedy. The URAM-related construction activities will be subject to USEPA and Massachusetts Department of Environmental Protection (MassDEP) review and oversight.

Background

The City is currently overseeing construction of a new athletic complex at the site of the former Keith Junior High School located at 70 Hathaway Boulevard in New Bedford, Massachusetts. As outlined in TRC's Release Abatement Measure (RAM) Plan for the New Andre McCoy Field (Former Keith Junior High School) Soil Removal in Support of Risk Reduction and Construction Activity dated April 10, 2009 and as detailed in the final construction documents for the new athletic complex accepted by the City, a portion of the work involves the construction of storm drain system. The drain system will

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consist of the installation of approximately 800 linear feet of an 8-inch diameter polyvinyl chloride (PVC) force main that will tie into the existing storm drain infrastructure. As presented in Figure 1, the proposed force main will extend from a yet to be constructed pump house within the McCoy Field property, parallel to the eastern side of Hunter Street, across Parker Street and in northwesterly direction to be terminated as a connection to an existing drainage structure within the intersection of Hathaway Boulevard and Greenwood Street.

In an effort to minimize disturbance and displacement of subsurface material during construction, particularly given that the path of the force main stretches through portions of the Parker Street Waste Site (PSWS) including the Paul F. Walsh Memorial Field (Walsh Field) and New Bedford High School (NHBS) properties, the proposed force main will be horizontally directionally drilled. This method of utility installation requires a drill rig and drilling fluids to create a pathway in the subsurface material in which the force main conduit can be installed. The drill rig can make gentle, large radius turns and methods are in place to avoid subsurface materials that may impede drilling (e.g., boulders, existing utilities, etc.). However, excavation and temporary stockpiling of soil material is required to facilitate entry and exit points for the drill rig and provide access for the installation joints at those points in which the turn angle is too great for the drill rig.

As detailed in TRC's RAM Plan, a URAM provides the State regulatory vehicle under which the work should be conducted, as the proposed storm drain force main will be installed in an area of known soil contaminant impacts in excess of applicable reporting thresholds. At the time of submission of TRC's RAM Plan the proposed construction of the 3-inch force main required a single entry point (i.e., at the proposed location of the pump house within the New McCoy Field property) and a single exit point (i.e., at the proposed location of a new drainage manhole adjacent to the intersection of Hathaway Boulevard and Greenwood Street). As indicated in Figure 1, the current scheme for entry and exit point excavations include two additional pits that will be approximately 15-feet long by 6-feet wide by 5-feet deep, with excavated material temporarily stockpiled pending being returned to the original excavation as backfill or as necessary offsite disposal.

In order to precharacterize subsurface material associated with the PSWS for disposal purposes in preparation for implementation of the RAM Plan, TRC targeted select soil borings for sampling. This included two soil borings (i.e., TRC-37 and TRC-41) in close proximity to the proposed force main entry and exit points. Select samples were analyzed for Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs), Polychlorinated Biphenyls (PCBs), Total Petroleum Hydrocarbons (TPH) and/or Toxicity Characteristic Leaching Procedure (TCLP) Metals to facility management and/or disposal of the material. As indicated in Table 1, soil samples related to these soil borings exhibited select SVOCs and/or metals in excess of applicable reporting thresholds, but concentrations of PCBs above laboratory detection limits were only detected in one sample (i.e., TRC-41(1')) at a total concentration of 0.174 milligrams per kilogram (mg/kg).

Proposed Design Adjustments

The City filed a URAM with the MassDEP pursuant to 310 CMR 40.0460 of the MCP on September 22, 2009. The URAM encompasses all onsite utility work associated with the construction of the athletic complex (e.g., lighting, water lines, irrigation lines, etc.), as well as the storm drain force main.

During a meeting on September 29, 2009 in preparation for commencement of the directional drilling activities, it was brought to TRC's attention by the construction contractor that two additional entry and exit point excavations were now required and that a portion of the pathway for the force main had been adjusted to eliminate a double curve, and the size of the force main had increased to 8-inches in diameter. As indicated in Figure 1, the adjusted portion of the pathway is located in the southwestern portion of the NBHS property. In this area a previously proposed double curve in the pathway has been straightened to provide a more direct force main route. Two additional access excavations are also proposed, including one adjacent to Hunter Street (within Walsh Field), one north of the intersection of Parker Street and Hunter Street (within the NBHS property) and a third within Hathaway Boulevard. The additional excavations within the Walsh Field and NBHS properties are to allow for installation of joints in locations where the drill rig cannot make the desired turn. The excavation in Hathaway Boulevard will allow for proper tie in to the existing drainage system.

PCB Remediation Waste Determination

Given the modification to the design of the proposed force main, particularly with regard to the addition of open excavations within portions of the Walsh Field and NBHS properties where fill material related to the PSWS is likely to be encountered, the City understands that some of the URAM activities may be jurisdictional under the USEPA's PCB regulations under 40 CFR Part 761. Table 1 provides information to facilitate the USEPA's evaluation of the regulatory applicability, particularly with regard to the applicability of the definition of PCB Remediation Waste under 40 CFR Part 761.3.

Extensive analytical testing of the soil has occurred at both the Walsh Field and NBHS properties by TRC and the previous consultant (BETA Group, Incorporated). Based on the results of those investigations, PCBs have never been detected in any of the soil samples collected from Walsh Field in excess of 50 mg/kg. Moreover, the highest detected total concentration detected to date from any soil sample collected from Walsh Field was 0.328 mg/kg in sample SB-264 (1'). It should be noted that soil boring SB-264 was advanced through pavement within the east side of Hunter Street (not actually inside the Walsh Field perimeter fence). In addition, groundwater samples collected from three monitoring wells at Walsh Field in March 2009 exhibited non-detect total PCB concentrations.

Analytical results from soil samples collected from the NBHS property indicate that one soil sample has exhibited a total PCB concentration in excess of the 50 mg/kg (i.e., HF-31D (1-3')) at a concentration of 71.6 mg/kg. This sample is located in a grassed area west of the girl's gym approximately 350 feet northeast of the nearest intersection with the proposed force main pathway. One additional sample (i.e., HH-13D (1-3')) exhibited a total PCB concentration approaching 50 mg/kg (i.e., 46.0 mg/kg), however the duplicate analysis exhibited a total PCB concentration 28.45 mg/kg and this sample was collected approximately 600 feet north of HF-31D. In addition, seven groundwater

monitoring wells within the NBHS property have recently been sampled, with only one (i.e., MW-5, located within the NBHS boiler room) exhibiting a detectable concentration of PCBs at 0.0731 mg/kg.

Table 1 summarizes the analytical results associated with soil samples collected in close proximity to the proposed force main pathway. This includes samples collected at the New McCoy Field (former Keith Junior High School), Walsh Field and NBHS properties. None of the soil samples have exhibited concentrations of PCBs approaching 50 mg/kg, with the highest detected concentration of 26.7 mg/kg in sample HF-43A (1-3'). Soil boring HF-43A is located in the southern portion of the NBHS property, approximately 45-feet northwest of the nearest proposed entry/exit point excavation for the drill rig (see Figure 1). It should be emphasized that although soil throughout the length of the directionally drilled corridor is likely to be displaced, the only open excavations will be associated with the access points presented in Figure 1. It is anticipated that an estimated 30 cubic yards (yd^3) of soil will be permanently displaced (i.e., soil displaced by drilling the pipeline corridor that will require offsite disposal) during the installation of the storm drain force main. Any soil displaced during installation of the storm drain force main, including that which will be returned to the excavation upon completion of the work (i.e., soil excavated to accommodate drilling equipment), will be managed, transported and disposed of in accordance with all applicable United States Department of Transportation (DOT), USEPA and MassDEP regulations. This includes analysis for VOCs, SVOCs, PCBs, TPH and as-needed TCLP Metals to facilitate management and potential off-site disposal of stockpiled material. Although it is not anticipated that any of the soil that will be excavated will qualify for regulation as PCB Remediation Waste, should any material meet that definition under 40 CFR Part 761.3 it will be sampled, transported and disposed of pursuant to USEPA Toxic Substance Control Act (TSCA) regulations. In accordance with the Final Approval for Risk-Based Cleanup and Disposal letter from the USEPA to the City dated August 31, 2005, if PCB contamination regulated under TSCA or federal PCB regulations under 40 CFR Part 761 are encountered during implementation of this URAM, a cleanup plan will be submitted for USEPA review and approval. All excavated soils will be staged on poly sheeting and covered with poly sheeting pending return to the excavation. Material which is permanently displaced as a result of the utility installation will be sampled for disposal characterization prior to transportation and disposal at an appropriate offsite facility.

Historical information such as the timeframe for approval and construction of the NBHS (i.e., late 1960s – early 1970s), and thus the closure of the dump, and a detailed review of ownership records, aerial photographs, newspaper articles, historical maps and a variety of City records indicate that PSWS-related waste disposal activities took place between 1950 and 1954. Furthermore, waste disposal activities in the wider PSWS impacted area (including Walsh Field and the former Keith Junior High School properties) ceased in the early 1960s. The construction date of the NBHS and evidence indicating cessation of waste deposition activity in the early 1960s, indicate that waste deposition from the PSWS concluded prior to April 1978. In addition, there is no evidence that areas have been extensively disturbed by construction activities after April 1978.

Conclusion

Based on these lines of evidence, it is the City's position that none of the soil that will be displaced during the implementation of horizontal directional drilling and force main installation activities qualifies to be regulated as PCB Remediation Waste or require classification and disposal under TSCA at this time. Historical information indicates that contamination related to the PSWS was disposed of prior to April 1978 and has remained in place since April 1978. Extensive investigation has determined that soil concentrations at Walsh Field and the new McCoy Field properties do not exceed PCB concentrations of 50 mg/kg. Although one soil sample collected from the NHBS property has exhibited a PCB concentration in excess of 50 mg/kg, extensive investigation indicates that this exceedance is localized. Furthermore, the 50 mg/kg exceedance was detected at least 350 feet from the proposed pathway for the storm drain force main, indicating that although the force main will cross the NBHS property it is unlikely that soil with PCB concentrations in excess of 50 mg/kg will be encountered.

It is anticipated that the directional drilling and storm drain force main installation will begin as soon as possible following your concurrence on this installation plan and no construction will start prior to that acknowledgement. Currently the City anticipates a minimum of one to two weeks to complete the work. Furthermore, the installation of the storm drain force main is only an interim utility construction measure in accordance with the MCP and in no way will impede implementation of or act as a remedy for addressing soil contamination. A final remedy is currently in the planning stages and will be the subject of future regulatory submittals to the USEPA and MassDEP and subject to all necessary approvals.

If you have any question or concerns regarding this letter, please do not hesitate to contact me at (508) 991-6188.

Sincerely,

Scott Alfonse
Director

cc. Molly Cote, Massachusetts Department of Environmental Protection (by electronic PDF)
David J. Fredette, P.E., City of New Bedford (by electronic PDF)
David M. Sullivan, LSP, CHMM, TRC (by electronic PDF)

Attachments

- Figure 1 – Proposed Directional Drilling Pathway

Table 1 – Directional Drilling-Related Summary of Analytical Results

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Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte																			
							Sample Location:	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS
							Sample ID:	HA38+HA40	HA40		HB39	HB39+HB40	HB40	HA41+HA42	HB41+HB42	HF43	HF43+HF44	HG44	HH44	HH44+HI44
							Sample Depth (ft.):		0.5-3	0.5-3	0.5-3		0.5-3			2.5-3		1-3	2.5-3	
							Sample Date:	1/11/2005	1/11/2005	1/11/2005	12/30/2004	12/30/2004	12/30/2004	1/11/2005	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA			Field Dup										
VOCs (mg/kg)	Acetone	50	400	50	400	6.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tertiary Amyl Methyl Ether	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30.0	30	200.0	200	2.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	0.1	20	0.1	100	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	1	200	1	800	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	0.5	30	0.5	30	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	5	10	5	60	5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3.0	100	3.0	100	1.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	0.03	20	0.03	100	0.005	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	0.3	400	0.3	800	0.3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorotoluene	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorotoluene	NS	NS	NS	NS	100.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	10.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.1	0.7	0.1	4	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	NS	NS	500.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40.0	100	40.0	500	1.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	5	500	5	1,000	0.4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	0.1	10	0.1	90	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	40	500	40	1,000	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	0.40	100	0.40	500	0.300	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	1	500	1	1,000	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	0.1	10	0.1	100	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NS	NS	0.1(2)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NS	NS	0.01(3)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethyl ether	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diisopropyl ether	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	6	70	6	500	0.2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl Tertiary Butyl ether	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1,000	1,000	40	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	50	400	50	400	4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert-butyl ether	100	100	100	500	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methylene chloride	20	200	20	900	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100(1)	100(1)	500(1)	500(1)	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	4	30	4	200	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	0.1	7	0.1	100	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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New Bedford, Massachusetts

Analysis	Analyte																			
							Sample Location:	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS
							Sample ID:	HA38+HA40	HA40		HB39	HB39+HB40	HB40	HA41+HA42	HB41+HB42	HF43	HF43+HE44	HG44	HH44	HH44+HI44
							Sample Depth (ft.):		0.5-3	0.5-3	0.5-3		0.5-3			2.5-3		1-3	2.5-3	
							Sample Date:	1/11/2005	1/11/2005	1/11/2005	12/30/2004	12/30/2004	12/30/2004	1/11/2005	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA			Field Dup										
	1,1,2,2-Tetrachloroethane	0.02	0.8	0.02	10	0.005	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1,000	1,000	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	70	500	70	900	2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1-Trichloroethane	500	500	600	1,000	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	2	4	2	60	0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	2	90	2	700	0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichloropropane	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3,5-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	0.6	0.7	4	0.6	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	300	500	300	1,000	300	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1,000	300	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																				
(mg/kg)	1,2,4-Trichlorobenzene	70	500	70	900	2	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	1,2-Dichlorobenzene	30	300	30	300	9	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	1,3-Dichlorobenzene	40	100	40	500	1	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	1,4-Dichlorobenzene	4	50	4	300	0.7	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	2,4,5-Trichlorophenol	1,000	600	1,000	600	4	N/A	0.55 U	NA	NA	NA	0.12 U	NA	0.58 U	0.12 U	NA	0.12 U	NA	NA	0.12 U
	2,4,6-Trichlorophenol	20	20	20	20	0.7	N/A	0.55 U	NA	NA	NA	0.12 U	NA	0.58 U	0.12 U	NA	0.12 U	NA	NA	0.12 U
	2,4-Dichlorophenol	60	40	60	40	0.7	N/A	0.55 U	NA	NA	NA	0.12 U	NA	0.58 U	0.12 U	NA	0.12 U	NA	NA	0.12 U
	2,4-Dimethylphenol	100	500	100	1,000	0.7	N/A	2.7 U	NA	NA	NA	0.6 U	NA	2.9 U	0.58 U	NA	0.59 U	NA	NA	0.59 U
	2,4-Dinitrophenol	50	50	50	90	3	N/A	1.4 U	NA	NA	NA	0.3 U	NA	1.4 U	0.29 U	NA	0.3 U	NA	NA	0.3 U
	2,4-Dinitrotoluene	2	2	10	10	0.7	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	2,6-Dinitrotoluene	NS	NS	NS	NS	100	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	2-Chloronaphthalene	NS	NS	NS	NS	1,000	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	2-Chlorophenol	100	100	100	300	0.7	N/A	0.55 U	NA	NA	NA	0.12 U	NA	0.58 U	0.12 U	NA	0.12 U	NA	NA	0.12 U
	2-Methylphenol	NS	NS	NS	NS	500	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	2-Nitroaniline	NS	NS	NS	NS	NS	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	2-Nitrophenol	NS	NS	NS	NS	100	N/A	1.4 U	NA	NA	NA	0.3 U	NA	1.4 U	0.29 U	NA	0.3 U	NA	NA	0.3 U
	3,3'-Dichlorobenzidine	1	1	10	10	1	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	3-Methylphenol/4-Methylpheno	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	NS	NS	NS	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	N/A	1.4 U	NA	NA	NA	0.3 U	NA	1.4 U	0.29 U	NA	0.3 U	NA	NA	0.3 U
	4-Bromophenyl phenyl ether	NS	NS	NS	NS	100	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	N/A	1.4 U	NA	NA	NA	0.3 U	NA	1.4 U	0.29 U	NA	0.3 U	NA	NA	0.3 U
	4-Chloroaniline	100	3	100	3	1	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	4-Methylphenol	NS	NS	NS	NS	500	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	4-Nitroaniline	NS	NS	NS	NS	NS	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	4-Nitrophenol	NS	NS	NS	NS	100	N/A	1.4 U	NA	NA	NA	0.3 U	NA	1.4 U	0.29 U	NA	0.3 U	NA	NA	0.3 U
	Acetophenone	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NS	NS	1,000	N/A	0.55 U	NA	NA	NA	0.12 U	NA	0.58 U	0.12 U	NA	0.12 U	NA	NA	0.12 U
	Azobenzene	NS	NS	NS	NS	50	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzidine	NS	NS	NS	NS	NS	N/A	16 U	NA	NA	NA	3.6 U	NA	17 U	3.5 U	NA	3.5 U	NA	NA	3.6 U
	Benzoic Acid	NS	NS	NS	NS	NS	N/A	4.1 U	NA	NA	NA	0.89 U	NA	4.3 U	0.87 U	NA	0.89 U	NA	NA	0.89 U
	bis(2-Chloroethoxy)methane	NS	NS	NS	NS	500	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	bis(2-Chloroethyl)ether	0.7	0.7	0.7	3	0.7	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	0.7	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	bis(2-Ethylhexyl)phthalate	200	200	700	700	200	N/A	0.82 U	NA	NA	NA	0.18 U	NA	0.87 U	**0.1 J**	NA	**0.072 J**	NA	NA	0.18 U
	Butyl benzyl phthalate	NS	NS	NS	NS	100	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	Carbazole	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethyl phthalate	200	300	200	300	10	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte																			
							Sample Location:	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS
							Sample ID:	HA38+HA40	HA40		HB39	HB39+HB40	HB40	HA41+HA42	HB41+HB42	HF43	HF43+HE44	HG44	HH44	HH44+HI44
							Sample Depth (ft.):		0.5-3	0.5-3	0.5-3		0.5-3			2.5-3		1-3	2.5-3	
							Sample Date:	1/11/2005	1/11/2005	1/11/2005	12/30/2004	12/30/2004	12/30/2004	1/11/2005	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA			Field Dup										
	Dimethyl phthalate	50	600	50	600	30	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	Di-n-butylphthalate	NS	NS	NS	NS	50	N/A	**0.3 JB**	NA	NA	NA	**0.13 JB**	NA	0.87 U	**0.32 B**	NA	**0.2 B**	NA	NA	0.18 U
	Di-n-octyl phthalate	NS	NS	NS	NS	1,000	N/A	0.82 U	NA	NA	NA	0.18 U	NA	0.87 U	0.17 U	NA	0.18 U	NA	NA	0.18 U
	Hexachlorobenzene	0.7	0.7	5	5	0.7	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	Hexachlorobutadiene	6	6	90	90	6	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	Hexachloroethane	3	9	3	100	0.7	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	Isophorone	NS	NS	NS	NS	100	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	Nitrobenzene	NS	NS	NS	NS	500	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	n-Nitrosodimethylamine	NS	NS	NS	NS	NS	N/A	0.82 U	NA	NA	NA	0.18 U	NA	0.87 U	0.17 U	NA	0.18 U	NA	NA	0.18 U
	n-Nitroso-di-n-propylamine	NS	NS	NS	NS	NS	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	n-Nitrosodiphenylamine	NS	NS	NS	NS	NS	N/A	0.27 U	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	Pentachlorophenol	10	10	70	10	3	N/A	1.4 U	NA	NA	NA	0.3 U	NA	1.4 U	0.29 U	NA	0.3 U	NA	NA	0.3 U
	Phenol	50	20	50	20	1	N/A	0.55 U	NA	NA	NA	0.12 U	NA	0.58 U	0.12 U	NA	0.12 U	NA	NA	0.12 U
	Pyridine	NS	NS	NS	NS	NS	N/A	0.55 U	NA	NA	NA	0.12 U	NA	0.58 U	0.12 U	NA	0.12 U	NA	NA	0.12 U
	Dibenzofuran	NS	NS	NS	NS	100	N/A	**0.7**	NA	NA	NA	**0.1**	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	2-Methylnaphthalene	80	300	80	500	0.7	N/A	**0.53**	NA	NA	NA	**0.14**	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	**1.5**	NA	NA	NA	**0.17**	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	Acenaphthylene	600	10	600	10	1	N/A	**0.3**	NA	NA	NA	**0.86**	NA	0.29 U	**0.13**	NA	0.059 U	NA	NA	**0.11**
	Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	**3.7**	NA	NA	NA	**0.82**	NA	**0.56**	**0.18**	NA	**0.1**	NA	NA	**0.21**
	Benzo(a)anthracene	7	7	40	40	7	N/A	**8.2**	NA	NA	NA	**3.5**	NA	**1.4**	**0.71**	NA	**0.25**	NA	NA	**1.2**
	Benzo(a)pyrene	2	2	4	4	2	N/A	**5.3**	NA	NA	NA	**3.5**	NA	**1**	**0.81**	NA	**0.24**	NA	NA	**1.3**
	Benzo(b)fluoranthene	7	7	40	40	7	N/A	**7.1**	NA	NA	NA	**5.3**	NA	**1.4**	**1.2**	NA	**0.3**	NA	NA	**1.7**
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	**2.1**	NA	NA	NA	**1.4**	NA	**0.43**	**0.27**	NA	**0.15**	NA	NA	**0.43**
	Benzo(k)fluoranthene	70	70	400	400	70	N/A	**2.1**	NA	NA	NA	**1.4**	NA	**0.29**	**0.34**	NA	**0.087**	NA	NA	**0.52**
	Chrysene	70	70	400	400	70	N/A	**6.5**	NA	NA	NA	**3.2**	NA	**1.3**	**0.67**	NA	**0.21**	NA	NA	**1.1**
	Dibenz(a,h)anthracene	0.7	0.7	4	4	1	N/A	**0.85**	NA	NA	NA	0.06 U	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	**23**	NA	NA	NA	**5.2**	NA	**3**	**1.4**	NA	**0.54**	NA	NA	**2.1**
	Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	**1.1**	NA	NA	NA	**0.12**	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	**2.4**	NA	NA	NA	**1.5**	NA	**0.44**	**0.31**	NA	**0.16**	NA	NA	**0.47**
	Naphthalene	40	500	40	1,000	4	N/A	**0.68**	NA	NA	NA	**0.13**	NA	0.29 U	0.058 U	NA	0.059 U	NA	NA	0.059 U
	Phenanthrene	500	500	1,000	1,000	10	N/A	**19**	NA	NA	NA	**2.9**	NA	**2.2**	**0.85**	NA	**0.4**	NA	NA	**0.93**
	Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	**17**	NA	NA	NA	**4.8**	NA	**2.9**	**1.4**	NA	**0.41**	NA	NA	**2.7**
PCBs																				
(mg/kg)	Aroclor 1016/1242	2	2	3	3	2	1	NA	0.057 U	0.056 U	0.065 U	NA	0.056 U	NA	NA	0.054 U	NA	0.058 U	0.053 U	NA
	Aroclor 1016	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1221	2	2	3	3	2	1	NA	0.113 U	0.113 U	0.129 U	NA	0.111 U	NA	NA	0.108 U	NA	0.116 U	0.107 U	NA
	Aroclor 1232	2	2	3	3	2	1	NA	0.057 U	0.056 U	0.065 U	NA	0.056 U	NA	NA	0.054 U	NA	0.058 U	0.053 U	NA
	Aroclor 1242	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1248	2	2	3	3	2	1	NA	0.057 U	0.056 U	0.065 U	NA	0.056 U	NA	NA	0.054 U	NA	0.058 U	0.053 U	NA
	Aroclor 1254	2	2	3	3	2	1	NA	**0.804**	**0.452**	**0.365**	NA	**0.521**	NA	NA	**0.516**	NA	**0.565**	**0.157**	NA
	Aroclor 1260	2	2	3	3	2	1	NA	0.057 U	0.056 U	0.065 U	NA	0.056 U	NA	NA	0.054 U	NA	0.058 U	0.053 U	NA
	Aroclor 1262	2	2	3	3	2	1	NA	0.057 U	**0.127**	**0.08**	NA	**0.172**	NA	NA	**0.133**	NA	**0.279**	0.053 U	NA
	Aroclor 1268	2	2	3	3	2	1	NA	0.057 U	0.056 U	0.065 U	NA	0.056 U	NA	NA	0.054 U	NA	0.058 U	0.053 U	NA
	Total PCBs	2	2	3	3	2	1	NA	**0.804**	**0.579**	**0.445**	NA	**0.693**	NA	NA	**0.649**	NA	**0.844**	**0.157**	NA
Pesticides																				
(mg/kg)	Aldrin	0.04	0.04	0.4	0.4	0.04	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-BHC	NS	NS	NS	NS	50	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	beta-BHC	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	delta-BHC	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-BHC	1	1	2	1	0.003	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDD	4	4	30	30	4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDE	3	3	20	20	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDT	3	3	20	20	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Analysis	Analyte																		
							Sample Location:	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS
							Sample ID:	HA38+HA40	HA40		HB39	HB39+HB40	HB40	HA41+HA42	HB41+HB42	HF43	HF43+HE44	HG44	HH44	HH44+HI44
							Sample Depth (ft.):		0.5-3	0.5-3	0.5-3		0.5-3			2.5-3		1-3	2.5-3	
							Sample Date:	1/11/2005	1/11/2005	1/11/2005	12/30/2004	12/30/2004	12/30/2004	1/11/2005	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA			Field Dup										
	Dieldrin	0.05	0.05	0.4	0.4	0.05	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan I	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan II	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan sulfate	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin	8	8	10	10	8	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin aldehyde	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin Ketone	NS	NS	NS	NS	8	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor	0.2	0.2	2	2	0.2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	0.09	0.09	0.7	0.7	0.09	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	5	5	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methoxychlor	200	200	300	300	200	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toxaphene	NS	NS	NS	NS	10.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides																				
(mg/kg)	2,4-D	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-TP (Silvex)	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dicamba	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichloroprop	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5 T	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4 DB	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dinoseb	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																				
(mg/kg)	Mercury	20	20	30	30	20	N/A	0.01 U	NA	NA	NA	**1.25**	NA	**0.369**	**0.799**	NA	**0.243**	NA	NA	**0.15**
	Antimony	20	20	30	30	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	20	20	20	20	20	N/A	**3.48**	NA	NA	NA	**5.32**	NA	**4.4**	**12**	NA	**6.02**	NA	NA	**4.87**
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	**167**	NA	NA	NA	**229**	NA	**210**	**123**	NA	**355**	NA	NA	**135**
	Beryllium	100	100	200	200	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	N/A	**1.08**	NA	NA	NA	**6.13**	NA	**2.21**	**2.5**	NA	**8.59**	NA	NA	**2.24**
	Chromium	30	30	200	200	30	N/A	**7.23**	NA	NA	NA	**13**	NA	**15**	**8.51**	NA	**8.67**	NA	NA	**9.3**
	Lead	300	300	300	300	300	N/A	**216**	NA	NA	NA	**1,430**	NA	**360**	**304**	NA	**1,910**	NA	NA	**351**
	Nickel	20	20	700	700	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	N/A	0.11 U	NA	NA	NA	0.67 U	NA	0.11 U	0.68 U	NA	0.8 U	NA	NA	0.64 U
	Silver	100	100	200	200	100	N/A	**0.16**	NA	NA	NA	**0.34**	NA	**0.17**	0.34 U	NA	**0.4**	NA	NA	0.32 U
	Thallium	8	8	60	60	8	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1,000	1,000	600	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2,500	2,500	3,000	3,000	2,500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP																				
(mg/L)	Arsenic	NS	NS	NS	NS	NS	5.0[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	NS	NS	NS	NS	100[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	NS	NS	NS	NS	1.0[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	NS	NS	NS	NS	5.0[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	NS	NS	NS	NS	5.0[5]	**0.30**	NA	NA	NA	**4.95**	NA	**0.80**	**0.45**	NA	**9.67**	NA	NA	**0.12**
	Selenium	NS	NS	NS	NS	NS	1.0[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	NS	NS	NS	NS	5.0[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	NS	NS	NS	NS	0.2[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactivity																				
(mg/kg)	Reactive cyanide	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Reactive sulfide	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																				
(mg/kg)	Diesel Range Organics	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Gasoline Range Organics	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability																				
(Deg. F)	Ignitability	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte																								
							Sample Location:	NBHS			NBHS		NBHS		NBHS	NBHS		NBHS		NBHS		NBHS		NBHS	
							Sample ID:	SB-267			SB-273		SB-276		SS-43	HB-39		HB-39A		HB-39C		HB-39D		HB-40	
							Sample Depth (ft.):	1	3.5	9	5.5	8	4	9.5	0-0.5	0-1	1-3	0-1	1-3	0-1	1-3	0-1	1-3	0-1	1-3
							Sample Date:	7/14/2008	7/14/2008	7/14/2008	7/16/2008	7/16/2008	7/16/2008	7/16/2008	12/2/2008	5/20/2009	5/20/2009	6/19/2009	6/19/2009	6/19/2009	6/19/2009	6/19/2009	6/19/2009	5/20/2009	5/20/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA																		
VOCs																									
(mg/kg)	Acetone	50	400	50	400	6.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tertiary Amyl Methyl Ether	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30.0	30	200.0	200	2.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	0.1	20	0.1	100	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	1	200	1	800	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	0.5	30	0.5	30	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	5	10	5	60	5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3.0	100	3.0	100	1.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	0.03	20	0.03	100	0.005	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	0.3	400	0.3	800	0.3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorotoluene	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorotoluene	NS	NS	NS	NS	100.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	10.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.1	0.7	0.1	4	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	NS	NS	500.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40.0	100	40.0	500	1.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	5	500	5	1,000	0.4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	0.1	10	0.1	90	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	40	500	40	1,000	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	0.40	100	0.40	500	0.300	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	1	500	1	1,000	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	0.1	10	0.1	100	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NS	NS	0.1(2)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NS	NS	0.01(3)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethyl ether	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diisopropyl ether	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	6	70	6	500	0.2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl Tertiary Butyl ether	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1,000	1,000	40	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	50	400	50	400	4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert-butyl ether	100	100	100	500	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methylene chloride	20	200	20	900	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100(1)	100(1)	500(1)	500(1)	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	4	30	4	200	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	0.1	7	0.1	100	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte						Sample Location:	NBHS			NBHS		NBHS		NBHS	NBHS		NBHS		NBHS		NBHS		NBHS	
							Sample ID:	SB-267			SB-273		SB-276		SS-43	HB-39		HB-39A		HB-39C		HB-39D		HB-40	
							Sample Depth (ft.):	1	3.5	9	5.5	8	4	9.5	0-0.5	0-1	1-3	0-1	1-3	0-1	1-3	0-1	1-3	0-1	1-3
							Sample Date:	7/14/2008	7/14/2008	7/14/2008	7/16/2008	7/16/2008	7/16/2008	7/16/2008	12/2/2008	5/20/2009	5/20/2009	6/19/2009	6/19/2009	6/19/2009	6/19/2009	6/19/2009	6/19/2009	5/20/2009	5/20/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA																		
	1,1,2,2-Tetrachloroethane	0.02	0.8	0.02	10	0.005	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1,000	1,000	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	70	500	70	900	2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1-Trichloroethane	500	500	600	1,000	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	2	4	2	60	0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	2	90	2	700	0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichloropropane	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3,5-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	0.6	0.7	4	0.6	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	300	500	300	1,000	300	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1,000	300	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																									
(mg/kg)	1,2,4-Trichlorobenzene	70	500	70	900	2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40	100	40	500	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	1,000	600	1,000	600	4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,6-Trichlorophenol	20	20	20	20	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	60	40	60	40	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	100	500	100	1,000	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	50	50	90	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	2	10	10	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,6-Dinitrotoluene	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	100	100	300	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylphenol	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3'-Dichlorobenzidine	1	1	10	10	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Methylphenol/4-Methylpheno	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl phenyl ether	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	100	3	100	3	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetophenone	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NS	NS	50	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzidine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzoic Acid	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	bis(2-Chloroethoxy)methane	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	bis(2-Chloroethyl)ether	0.7	0.7	0.7	3	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	bis(2-Ethylhexyl)phthalate	200	200	700	700	200	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butyl benzyl phthalate	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbazole	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethyl phthalate	200	300	200	300	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte						Sample Location:	NBHS			NBHS		NBHS		NBHS	NBHS		NBHS		NBHS		NBHS		NBHS	
							Sample ID:	SB-267			SB-273		SB-276		SS-43	HB-39		HB-39A		HB-39C		HB-39D		HB-40	
							Sample Depth (ft.):	1	3.5	9	5.5	8	4	9.5	0-0.5	0-1	1-3	0-1	1-3	0-1	1-3	0-1	1-3	0-1	1-3
							Sample Date:	7/14/2008	7/14/2008	7/14/2008	7/16/2008	7/16/2008	7/16/2008	7/16/2008	12/2/2008	5/20/2009	5/20/2009	6/19/2009	6/19/2009	6/19/2009	6/19/2009	6/19/2009	6/19/2009	5/20/2009	5/20/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA																		
	Dimethyl phthalate	50	600	50	600	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-butylphthalate	NS	NS	NS	NS	50	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octyl phthalate	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	5	5	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	3	9	3	100	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isophorone	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nitrobenzene	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Nitrosodimethylamine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Nitroso-di-n-propylamine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Nitrosodiphenylamine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	70	10	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenol	50	20	50	20	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyridine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	N/A	0.169 U	0.207 U	0.199 U	0.261 U	0.182 U	NA	NA	0.199 U	0.39 U	0.42 U	NA	NA	NA	NA	NA	NA	0.41 U	0.38 U
	Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	0.169 U	0.207 U	0.199 U	0.261 U	0.182 U	NA	NA	0.199 U	0.39 U	0.42 U	NA	NA	NA	NA	NA	NA	0.41 U	0.38 U
	Acenaphthylene	600	10	600	10	1	N/A	0.169 U	0.207 U	0.199 U	0.261 U	0.182 U	NA	NA	0.199 U	0.39 U	0.42 U	NA	NA	NA	NA	NA	NA	0.41 U	0.38 U
	Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	0.169 U	0.207 U	0.199 U	0.261 U	0.182 U	NA	NA	0.199 U	0.39 U	0.42 U	NA	NA	NA	NA	NA	NA	0.41 U	**0.70**
	Benzo(a)anthracene	7	7	40	40	7	N/A	**0.260**	0.207 U	0.199 U	0.261 U	0.182 U	NA	NA	0.199 U	**0.60**	**0.69**	NA	NA	NA	NA	NA	NA	0.41 U	**2.7**
	Benzo(a)pyrene	2	2	4	4	2	N/A	**0.271**	0.207 U	0.199 U	0.261 U	0.182 U	NA	NA	0.199 U	**0.57**	**0.68**	NA	NA	NA	NA	NA	NA	0.41 U	**2.8**
	Benzo(b)fluoranthene	7	7	40	40	7	N/A	**0.343**	**0.275**	0.199 U	0.261 U	0.182 U	NA	NA	**0.257**	**0.68**	**0.83**	NA	NA	NA	NA	NA	NA	0.41 U	**3.2**
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	0.338 U	0.413 U	0.397 U	0.261 U	0.182 U	NA	NA	0.199 U	**0.41**	0.42 U	NA	NA	NA	NA	NA	NA	0.41 U	**1.9**
	Benzo(k)fluoranthene	70	70	400	400	70	N/A	0.169 U	0.207 U	0.199 U	0.261 U	0.182 U	NA	NA	0.199 U	0.39 U	0.42 U	NA	NA	NA	NA	NA	NA	0.41 U	**1.2**
	Chrysene	70	70	400	400	70	N/A	**0.325**	**0.682**	0.199 U	0.261 U	0.182 U	NA	NA	0.199 U	**0.68**	**0.76**	NA	NA	NA	NA	NA	NA	0.41 U	**3.1**
	Dibenz(a,h)anthracene	0.7	0.7	4	4	1	N/A	0.338 U	0.413 U	0.397 U	0.261 U	0.182 U	NA	NA	0.199 U	0.39 U	0.42 U	NA	NA	NA	NA	NA	NA	0.41 U	**0.42**
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	**0.523**	0.207 U	0.199 U	**0.372**	0.182 U	NA	NA	**0.437**	**1.0**	**1.1**	NA	NA	NA	NA	NA	NA	**0.50**	**3.9**
	Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	0.169 U	0.207 U	0.199 U	0.261 U	0.182 U	NA	NA	0.199 U	0.39 U	0.42 U	NA	NA	NA	NA	NA	NA	0.41 U	0.38 U
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	0.338 U	0.413 U	0.397 U	0.261 U	0.182 U	NA	NA	0.199 U	**0.46**	**0.44**	NA	NA	NA	NA	NA	NA	0.41 U	**2.2**
	Naphthalene	40	500	40	1,000	4	N/A	0.169 U	0.207 U	0.199 U	0.261 U	0.182 U	NA	NA	0.199 U	0.39 U	0.42 U	NA	NA	NA	NA	NA	NA	0.41 U	0.38 U
	Phenanthrene	500	500	1,000	1,000	10	N/A	**0.230**	**0.846**	0.199 U	0.261 U	0.182 U	NA	NA	**0.344**	**0.88**	**0.76**	NA	NA	NA	NA	NA	NA	0.41 U	**3.8**
	Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	**0.585**	**0.289**	0.199 U	**0.340**	0.182 U	NA	NA	**0.258**	**1.3**	**1.5**	NA	NA	NA	NA	NA	NA	**0.56**	**5.2**
PCBs																									
(mg/kg)	Aroclor 1016/1242	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1016	2	2	3	3	2	1	0.0500 U	0.0586 U	0.0584 U	0.0690 U	0.0536 U	0.0737 U	0.0587 U	0.0581 U	0.0577 U	0.120 U	NA	NA	NA	NA	NA	NA	0.0583 U	0.0559 U
	Aroclor 1221	2	2	3	3	2	1	0.0500 U	0.0586 U	0.0584 U	0.0690 U	0.0536 U	0.0737 U	0.0587 U	0.0581 U	0.0577 U	0.120 U	NA	NA	NA	NA	NA	NA	0.0583 U	0.0559 U
	Aroclor 1232	2	2	3	3	2	1	0.0500 U	0.0586 U	0.0584 U	0.0690 U	0.0536 U	0.0737 U	0.0587 U	0.0581 U	0.0577 U	0.120 U	NA	NA	NA	NA	NA	NA	0.0583 U	0.0559 U
	Aroclor 1242	2	2	3	3	2	1	0.0500 U	0.0586 U	0.0584 U	0.0690 U	0.0536 U	0.0737 U	0.0587 U	0.0581 U	0.0577 U	0.120 U	NA	NA	NA	NA	NA	NA	0.0583 U	0.0559 U
	Aroclor 1248	2	2	3	3	2	1	0.0500 U	0.0586 U	0.0584 U	0.0690 U	0.0536 U	0.0737 U	0.0587 U	0.0581 U	0.0577 U	0.120 U	NA	NA	NA	NA	NA	NA	0.0583 U	0.0559 U
	Aroclor 1254	2	2	3	3	2	1	0.0500 U	0.0586 U	0.0584 U	**0.248 J**	0.0536 U	**0.0999 J**	0.0587 U	0.0581 U	**0.119** *	**2.89** *	NA	NA	NA	NA	NA	NA	**0.151** *	**0.790** *
	Aroclor 1260	2	2	3	3	2	1	0.0500 U	0.0586 U	0.0584 U	0.0690 U	0.0536 U	0.0737 U	0.0587 U	0.0581 U	0.0577 U	0.120 U	NA	NA	NA	NA	NA	NA	0.0583 U	**0.281** *
	Aroclor 1262	2	2	3	3	2	1	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	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	0.0500 U	0.0586 U	0.0584 U	**0.248 J**	0.0536 U	**0.0999 J**	0.0587 U	0.0581 U	**0.119**	**2.89**	NA	NA	NA	NA	NA	NA	**0.151**	**1.071**
Pesticides																									
(mg/kg)	Aldrin	0.04	0.04	0.4	0.4	0.04	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-BHC	NS	NS	NS	NS	50	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	beta-BHC	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	delta-BHC	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-BHC	1	1	2	1	0.003	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDD	4	4	30	30	4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDE	3	3	20	20	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDT	3	3	20	20	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte																								
							Sample Location:	NBHS			NBHS		NBHS		NBHS	NBHS		NBHS		NBHS		NBHS		NBHS	
							Sample ID:	SB-267			SB-273		SB-276		SS-43	HB-39		HB-39A		HB-39C		HB-39D		HB-40	
							Sample Depth (ft.):	1	3.5	9	5.5	8	4	9.5	0-0.5	0-1	1-3	0-1	1-3	0-1	1-3	0-1	1-3	0-1	1-3
							Sample Date:	7/14/2008	7/14/2008	7/14/2008	7/16/2008	7/16/2008	7/16/2008	7/16/2008	12/2/2008	5/20/2009	5/20/2009	6/19/2009	6/19/2009	6/19/2009	6/19/2009	6/19/2009	6/19/2009	5/20/2009	5/20/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA																		
	Dieldrin	0.05	0.05	0.4	0.4	0.05	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan I	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan II	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan sulfate	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin	8	8	10	10	8	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin aldehyde	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin Ketone	NS	NS	NS	NS	8	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor	0.2	0.2	2	2	0.2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	0.09	0.09	0.7	0.7	0.09	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	5	5	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methoxychlor	200	200	300	300	200	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toxaphene	NS	NS	NS	NS	10.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides																									
(mg/kg)	2,4-D	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-TP (Silvex)	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dicamba	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichloroprop	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5 T	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4 DB	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dinoseb	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																									
(mg/kg)	Mercury	20	20	30	30	20	N/A	**0.079**	**0.078**	0.012 U	**0.243**	0.021 U	NA	NA	**0.046**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Antimony	20	20	30	30	20	N/A	R	R	R	R	R	NA	NA	4.77 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	20	20	20	20	20	N/A	**3.19**	**14.3**	**4.84**	**10.6**	**3.14**	NA	NA	2.98 U	**3.0**	**7.4**	**4.1**	**10**	**10**	**13**	**7.3**	**19**	3.0 U	**8.5**
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	**14.0**	**200**	**7.59**	**251**	**16.8**	NA	NA	**29.1**	**61**	**370**	**82**	**230**	**120**	**270**	**300**	**390**	**31**	**280**
	Beryllium	100	100	200	200	100	N/A	0.26 U	0.31 U	0.30 U	0.40 U	0.28 U	NA	NA	0.30 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	N/A	0.26 U	0.31 U	0.30 U	**6.12**	0.28 U	NA	NA	0.30 U	**0.41**	**1.0**	**0.66**	**1.1**	**1.7**	**1.0**	**1.8**	**0.85**	**0.35**	**1.9**
	Chromium	30	30	200	200	30	N/A	**5.14**	**5.30**	**3.81**	**11.3**	**7.29**	NA	NA	**7.92**	**9.3**	**18**	**11**	**20**	**21**	**15**	**17**	**9.4**	**7.9**	**29**
	Lead	300	300	300	300	300	N/A	**47.9**	**209**	**3.13**	**456**	**2.92**	NA	NA	**55.2**	**150**	**520**	**200**	**350**	**380**	**300**	**540**	**260**	**67**	**890**
	Nickel	20	20	700	700	20	N/A	**3.98**	**11.7**	**4.02**	**15.8**	**5.14**	NA	NA	**4.20**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	N/A	5.06 U	6.19 U	5.95 U	7.83 U	5.46 U	NA	NA	5.96 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	N/A	**2.22**	**3.94**	**1.17**	**6.62**	**1.90**	NA	NA	0.60 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	N/A	3.04 U	3.72 U	3.57 U	R	R	NA	NA	3.58 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1,000	1,000	600	N/A	**10.6**	**18.3**	5.95 U	**22.9**	**8.06**	NA	NA	**12.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2,500	2,500	3,000	3,000	2,500	N/A	**33.8**	**25.3**	**14.1**	**397**	**23.4**	NA	NA	**54.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP																									
(mg/L)	Arsenic	NS	NS	NS	NS	NS	5.0(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	NS	NS	NS	NS	100(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	NS	NS	NS	NS	1.0(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	NS	NS	NS	NS	5.0(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	NS	NS	NS	NS	5.0(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	NS	NS	NS	NS	1.0(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	NS	NS	NS	NS	5.0(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	NS	NS	NS	NS	0.2(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactivity																									
(mg/kg)	Reactive cyanide	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Reactive sulfide	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																									
(mg/kg)	Diesel Range Organics	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Gasoline Range Organics	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability																									
(Deg. F)	Ignitability	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte						Sample Location:	NBHS			NBHS		NBHS		NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS		NBHS		NBHS	
							Sample ID:	HB-40A			HB-40C		HB-40D		HB-40E	HB-40G	HB-40H	HB-40I	HB-40K	HB-40M	HB-40O	HB-40Q	HB-40S	HF-43A		HF-43B	
							Sample Depth (ft.):	0-1	1-3	1-3	0-1	1-3	0-1	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	0-1	1-3	0-1	1-3
							Sample Date:	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	7/7/2009	7/7/2009	7/7/2009	7/7/2009	7/7/2009	7/7/2009	4/1/2009	4/1/2009	3/31/2009	3/31/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA			Field Dup																	
VOCs																											
(mg/kg)	Acetone	50	400	50	400	6.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tertiary Amyl Methyl Ether	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30.0	30	200.0	200	2.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	0.1	20	0.1	100	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	1	200	1	800	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	0.5	30	0.5	30	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	5	10	5	60	5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3.0	100	3.0	100	1.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	0.03	20	0.03	100	0.005	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	0.3	400	0.3	800	0.3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorotoluene	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorotoluene	NS	NS	NS	NS	100.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	10.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.1	0.7	0.1	4	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	NS	NS	500.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40.0	100	40.0	500	1.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	5	500	5	1,000	0.4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	0.1	10	0.1	90	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	40	500	40	1,000	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	0.40	100	0.40	500	0.300	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	1	500	1	1,000	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	0.1	10	0.1	100	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NS	NS	0.1(2)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NS	NS	0.01(3)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethyl ether	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diisopropyl ether	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	6	70	6	500	0.2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl Tertiary Butyl ether	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1,000	1,000	40	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	50	400	50	400	4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert-butyl ether	100	100	100	500	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methylene chloride	20	200	20	900	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100(1)	100(1)	500(1)	500(1)	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	4	30	4	200	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	0.1	7	0.1	100	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte						Sample Location:	NBHS			NBHS		NBHS		NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS		NBHS	
							Sample ID:	HB-40A			HB-40C		HB-40D		HB-40E	HB-40G	HB-40H	HB-40I	HB-40K	HB-40M	HB-40O	HB-40Q	HB-40S	HF-43A		HF-43B	
							Sample Depth (ft.):	0-1	1-3	1-3	0-1	1-3	0-1	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	0-1	1-3	0-1	1-3
							Sample Date:	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	7/7/2009	7/7/2009	7/7/2009	7/7/2009	7/7/2009	7/7/2009	4/1/2009	4/1/2009	3/31/2009	3/31/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA			Field Dup																	
	1,1,2,2-Tetrachloroethane	0.02	0.8	0.02	10	0.005	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1,000	1,000	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	70	500	70	900	2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1-Trichloroethane	500	500	600	1,000	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	2	4	2	60	0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	2	90	2	700	0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichloropropane	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3,5-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	0.6	0.7	4	0.6	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	300	500	300	1,000	300	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1,000	300	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																											
(mg/kg)	1,2,4-Trichlorobenzene	70	500	70	900	2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40	100	40	500	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	1,000	600	1,000	600	4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,6-Trichlorophenol	20	20	20	20	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	60	40	60	40	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	100	500	100	1,000	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	50	50	90	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	2	10	10	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,6-Dinitrotoluene	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	100	100	300	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylphenol	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3'-Dichlorobenzidine	1	1	10	10	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Methylphenol/4-Methylpheno	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl phenyl ether	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	100	3	100	3	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetophenone	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NS	NS	50	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzidine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzoic Acid	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	bis(2-Chloroethoxy)methane	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	bis(2-Chloroethyl)ether	0.7	0.7	0.7	3	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	bis(2-Ethylhexyl)phthalate	200	200	700	700	200	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butyl benzyl phthalate	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbazole	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethyl phthalate	200	300	200	300	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte																										
							Sample Location:	NHBS			NBHS		NBHS		NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS		NBHS	
							Sample ID:	HB-40A			HB-40C		HB-40D		HB-40E	HB-40G	HB-40H	HB-40I	HB-40K	HB-40M	HB-40O	HB-40Q	HB-40S	HF-43A		HF-43B	
							Sample Depth (ft.):	0-1	1-3	1-3	0-1	1-3	0-1	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	0-1	1-3	0-1	1-3
							Sample Date:	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	7/7/2009	7/7/2009	7/7/2009	7/7/2009	7/7/2009	7/7/2009	4/1/2009	4/1/2009	3/31/2009	3/31/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA			Field Dup																	
	Dimethyl phthalate	50	600	50	600	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-butylphthalate	NS	NS	NS	NS	50	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octyl phthalate	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	5	5	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	3	9	3	100	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isophorone	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nitrobenzene	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Nitrosodimethylamine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Nitroso-di-n-propylamine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Nitrosodiphenylamine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	70	10	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenol	50	20	50	20	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyridine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	N/A	0.20 U	0.20 U	NA	0.20 U	0.21 U	0.20 U	0.22 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	0.20 U	0.20 U	NA	0.20 U	**0.21**	0.20 U	**0.24**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	N/A	0.20 U	0.20 U	NA	0.20 U	0.21 U	0.20 U	0.22 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	0.20 U	0.20 U	NA	0.20 U	**0.44**	**0.27**	**0.65**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	N/A	**0.27**	**0.83**	NA	**0.43**	**1.4**	**0.99**	**1.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	N/A	**0.29**	**0.84**	NA	**0.47**	**1.3**	**0.99**	**1.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	N/A	**0.37**	**1.2**	NA	**0.66**	**1.8**	**1.3**	**2.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	0.20 U	**0.46**	NA	**0.24**	**0.60**	**0.43**	**0.71**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	N/A	0.20 U	**0.41**	NA	**0.24**	**0.64**	**0.47**	**0.82**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	N/A	**0.33**	**0.97**	NA	**0.53**	**1.5**	**1.2**	**1.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	1	N/A	0.20 U	0.20 U	NA	0.20 U	0.21 U	0.20 U	0.22 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	**0.56**	**2.1**	NA	**0.90**	**3.0**	**1.9**	**3.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	0.20 U	0.20 U	NA	0.20 U	**0.25**	0.20 U	**0.24**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	0.20 U	**0.50**	NA	0.27	**0.71**	**0.50**	**0.84**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	N/A	0.20 U	0.20 U	NA	0.20 U	**0.37**	0.20 U	0.22 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1,000	1,000	10	N/A	**0.25**	**1.0**	NA	**0.52**	**2.3**	**1.4**	**2.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	**0.48**	**1.1**	NA	**0.64**	**2.2**	**1.4**	**2.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																											
(mg/kg)	Aroclor 1016/1242	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1016	2	2	3	3	2	1	0.0596 U	0.0565 U	0.0581 U	0.0604 U	0.0558 U	0.0578 U	0.0619 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0564 U	0.177 U	0.0577 U	0.0557 U
	Aroclor 1221	2	2	3	3	2	1	0.0596 U	0.0565 U	0.0581 U	0.0604 U	0.0558 U	0.0578 U	0.0619 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0564 U	0.177 U	0.0577 U	0.0557 U
	Aroclor 1232	2	2	3	3	2	1	0.0596 U	0.0565 U	0.0581 U	0.0604 U	0.0558 U	0.0578 U	0.0619 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0564 U	0.177 U	0.0577 U	0.0557 U
	Aroclor 1242	2	2	3	3	2	1	0.0596 U	0.0565 U	0.0581 U	0.0604 U	0.0558 U	0.0578 U	0.0619 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0564 U	0.177 U	0.0577 U	0.0557 U
	Aroclor 1248	2	2	3	3	2	1	0.0596 U	0.0565 U	0.0581 U	0.0604 U	0.0558 U	0.0578 U	0.0619 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0564 U	0.177 U	0.0577 U	0.0557 U
	Aroclor 1254	2	2	3	3	2	1	**0.409** *	**0.816** *	**1.18** *	**0.139** *	**0.789** *	**0.225** *	**0.443** *	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0564 U	**2.60** *	**0.0953** *	**0.489** *
	Aroclor 1260	2	2	3	3	2	1	0.0596 U	0.0565 U	0.0581 U	0.0604 U	0.0558 U	0.0578 U	0.0619 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0564 U	**0.177 U**	0.0577 U	0.0557 U
	Aroclor 1262	2	2	3	3	2	1	NA	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	NA	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	**0.409**	**0.816**	**1.18**	**0.139**	**0.789**	**0.225**	**0.443**	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0564 U	**2.60**	**0.0953**	**0.489**
Pesticides																											
(mg/kg)	Aldrin	0.04	0.04	0.4	0.4	0.04	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-BHC	NS	NS	NS	NS	50	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	beta-BHC	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	delta-BHC	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-BHC	1	1	2	1	0.003	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDD	4	4	30	30	4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDE	3	3	20	20	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDT	3	3	20	20	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte																										
							Sample Location:	NHBS			NBHS		NBHS		NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS	NBHS		NBHS	
							Sample ID:	HB-40A			HB-40C		HB-40D		HB-40E	HB-40G	HB-40H	HB-40I	HB-40K	HB-40M	HB-40O	HB-40Q	HB-40S	HF-43A		HF-43B	
							Sample Depth (ft.):	0-1	1-3	1-3	0-1	1-3	0-1	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	1-3	0-1	1-3	0-1	1-3
							Sample Date:	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	6/16/2009	7/7/2009	7/7/2009	7/7/2009	7/7/2009	7/7/2009	7/7/2009	4/1/2009	4/1/2009	3/31/2009	3/31/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA			Field Dup																	
	Dieldrin	0.05	0.05	0.4	0.4	0.05	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan I	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan II	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan sulfate	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin	8	8	10	10	8	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin aldehyde	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin Ketone	NS	NS	NS	NS	8	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor	0.2	0.2	2	2	0.2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	0.09	0.09	0.7	0.7	0.09	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	5	5	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methoxychlor	200	200	300	300	200	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toxaphene	NS	NS	NS	NS	10.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides																											
(mg/kg)	2,4-D	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-TP (Silvex)	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dicamba	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichloroprop	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5 T	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4 DB	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dinoseb	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																											
(mg/kg)	Mercury	20	20	30	30	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Antimony	20	20	30	30	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	20	20	20	20	20	N/A	3.8	47	38	4.4	13	5.1	11	21	7.4	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	34	290	240	49	320	130	340	320	270	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	N/A	0.30 U	8.8	3.3	0.51	4.4	0.74	1.8	91	1.6	1.1	0.93	NA	NA	NA	NA	NA	0.29 U	0.85	0.31 U	0.55
	Chromium	30	30	200	200	30	N/A	9.5	64	55	11	31	14	29	41	15	43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	N/A	57	780	430	240	4,900	370	820	880	530	380	470	1,700	680	1,200	1,000	1,800	13.7	629	52.2	134
	Nickel	20	20	700	700	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1,000	1,000	600	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2,500	2,500	3,000	3,000	2,500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP																											
(mg/L)	Arsenic	NS	NS	NS	NS	NS	5.0[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	NS	NS	NS	NS	100[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	NS	NS	NS	NS	1.0[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	NS	NS	NS	NS	5.0[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	NS	NS	NS	NS	5.0[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	NS	NS	NS	NS	1.0[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	NS	NS	NS	NS	5.0[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	NS	NS	NS	NS	0.2[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactivity																											
(mg/kg)	Reactive cyanide	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Reactive sulfide	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																											
(mg/kg)	Diesel Range Organics	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Gasoline Range Organics	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability																											
(Deg. F)	Ignitability	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte																								
							Sample Location:	NBHS		NBHS		NBHS	Walsh Field		Walsh Field	Walsh Field			Walsh Field			Walsh Field		Walsh Field	
							Sample ID:	HF-43D		HF-43G		HF-43H	WFA-4		WTR-SS-07	SB-265			SB-266			WF-17	WF-18	NAP-SS-01	NAP-SS-02
							Sample Depth (ft.):	0-1	1-3	0-1	1-3	1-3	0-1	1-2.5	0-0.5	1	4	7.5	1	4	9	0-0.5	0-0.5	0-0.5	0-0.5
							Sample Date:	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	2/23/2006	2/23/2006	3/19/2009	7/14/2008	7/14/2008	7/14/2008	7/15/2008	7/15/2008	7/15/2008	9/30/2008	9/30/2008	3/19/2009	3/19/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA																		
VOCs																									
(mg/kg)	Acetone	50	400	50	400	6.0	N/A	NA	NA	NA	NA	NA	NA	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.13 U	0.12 U
	Tertiary Amyl Methyl Ether	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.002 U	0.002 U
	Benzene	30.0	30	200.0	200	2.0	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Bromobenzene	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Bromochloromethane	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Bromodichloromethane	0.1	20	0.1	100	0.1	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Bromoform	1	200	1	800	0.1	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Bromomethane	0.5	30	0.5	30	0.5	N/A	NA	NA	NA	NA	NA	NA	**0.36**	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013 U	0.012 U
	sec-Butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	n-butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	tert-butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Carbon disulfide	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013 U	0.012 U
	Carbon tetrachloride	5	10	5	60	5	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Chlorobenzene	3.0	100	3.0	100	1.0	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Dibromochloromethane	0.03	20	0.03	100	0.005	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.002 U	0.002 U
	Chloroethane	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.026 U	0.024 U
	Chloroform	0.3	400	0.3	800	0.3	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.006 U	0.005 U
	Chloromethane	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	**0.11**	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013 U	0.012 U
	2-Chlorotoluene	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	4-Chlorotoluene	NS	NS	NS	NS	100.0	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	10.0	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013 U	0.012 U
	1,2-Dibromoethane	0.1	0.7	0.1	4	0.1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.002 U	0.002 U
	Dibromomethane	NS	NS	NS	NS	500.0	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,3-Dichlorobenzene	40.0	100	40.0	500	1.0	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,2-Dichlorobenzene	30	300	30	300	9	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,4-Dichlorobenzene	4	50	4	300	0.7	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Dichlorodifluoromethane	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.026 U	0.024 U
	1,1-Dichloroethane	5	500	5	1,000	0.4	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,2-Dichloroethane	0.1	10	0.1	90	0.1	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,1-Dichloroethene	40	500	40	1,000	3	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.006 U	0.005 U
	cis-1,2-Dichloroethene	0.40	100	0.40	500	0.300	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	trans-1,2-Dichloroethene	1	500	1	1,000	1	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,2-Dichloropropane	0.1	10	0.1	100	0.1	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,3-Dichloropropane	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.002 U	0.002 U
	2,2-Dichloropropane	NS	NS	NS	NS	0.1(2)	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,1-Dichloropropene	NS	NS	NS	NS	0.01(3)	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	cis-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.002 U	0.002 U
	trans-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.002 U	0.002 U
	Diethyl ether	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.026 U	0.024 U
	Diisopropyl ether	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.002 U	0.002 U
	1,4-Dioxane	6	70	6	500	0.2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.13 U	0.12 U
	Ethyl Tertiary Butyl ether	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.002 U	0.002 U
	Ethylbenzene	500	500	1,000	1,000	40	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Hexachlorobutadiene	6	6	90	90	6	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	2-Hexanone	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.026 U	0.024 U
	Isopropylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	p-Isopropyltoluene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	2-Butanone	50	400	50	400	4	N/A	NA	NA	NA	NA	NA	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.052 U	0.047 U
	4-Methyl-2-pentanone	50	400	50	400	0.4	N/A	NA	NA	NA	NA	NA	NA	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.026 U	0.024 U
	Methyl tert-butyl ether	100	100	100	500	0.1	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.006 U	0.005 U
	Methylene chloride	20	200	20	900	0.1	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.026 U	0.024 U
	Naphthalene	40	500	40	1,000	4	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013 U	0.012 U
	n-Propylbenzene	100(1)	100(1)	500(1)	500(1)	100	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Styrene	4	30	4	200	3	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,1,1,2-Tetrachloroethane	0.1	7	0.1	100	0.1	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte						Sample Location:	NBHS		NBHS		NBHS	Walsh Field		Walsh Field	Walsh Field			Walsh Field			Walsh Field		Walsh Field	
							Sample ID:	HF-43D		HF-43G		HF-43H	WFA-4		WTR-SS-07	SB-265			SB-266			WF-17	WF-18	NAP-SS-01	NAP-SS-02
							Sample Depth (ft.):	0-1	1-3	0-1	1-3	1-3	0-1	1-2.5	0-0.5	1	4	7.5	1	4	9	0-0.5	0-0.5	0-0.5	0-0.5
							Sample Date:	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	2/23/2006	2/23/2006	3/19/2009	7/14/2008	7/14/2008	7/14/2008	7/15/2008	7/15/2008	7/15/2008	9/30/2008	9/30/2008	3/19/2009	3/19/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA																		
	1,1,2,2-Tetrachloroethane	0.02	0.8	0.02	10	0.005	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.002 U	0.002 U
	Tetrachloroethene	10	30	10	200	1	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Tetrahydrofuran	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013 U	0.012 U
	Toluene	500	500	1,000	1,000	30	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,2,4-Trichlorobenzene	70	500	70	900	2	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,1,1-Trichloroethane	500	500	600	1,000	30	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,1,2-Trichloroethane	2	4	2	60	0	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Trichloroethene	2	90	2	700	0	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Trichlorofluoromethane	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013 U	0.012 U
	1,2,3-Trichloropropane	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,2,4-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	1,3,5-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	10	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	Vinyl chloride	0.6	0.6	0.7	4	0.6	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.013 U	0.012 U
	o-Xylene	300	500	300	1,000	300	N/A	NA	NA	NA	NA	NA	NA	0.041 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.003 U	0.003 U
	m & p-Xylene	300	500	300	1,000	300	N/A	NA	NA	NA	NA	NA	NA	0.082 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.006 U	0.005 U
SVOCs																									
(mg/kg)	1,2,4-Trichlorobenzene	70	500	70	900	2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	1,2-Dichlorobenzene	30	300	30	300	9	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	1,3-Dichlorobenzene	40	100	40	500	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	1,4-Dichlorobenzene	4	50	4	300	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	2,4,5-Trichlorophenol	1,000	600	1,000	600	4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	2,4,6-Trichlorophenol	20	20	20	20	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	2,4-Dichlorophenol	60	40	60	40	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	2,4-Dimethylphenol	100	500	100	1,000	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	2,4-Dinitrophenol	50	50	50	90	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.82 U	0.79 U
	2,4-Dinitrotoluene	2	2	10	10	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	2,6-Dinitrotoluene	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	2-Chloronaphthalene	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	2-Chlorophenol	100	100	100	300	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	2-Methylphenol	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	2-Nitrophenol	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	3,3'-Dichlorobenzidine	1	1	10	10	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.21 U	0.20 U
	3-Methylphenol/4-Methylpheno	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	3-Nitroaniline	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl phenyl ether	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	100	3	100	3	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.82 U	0.79 U
	4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.82 U	0.79 U
	Acetophenone	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Aniline	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Azobenzene	NS	NS	NS	NS	50	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Benzidine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzoic Acid	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	bis(2-Chloroethoxy)methane	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	bis(2-Chloroethyl)ether	0.7	0.7	0.7	3	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	bis(2-Ethylhexyl)phthalate	200	200	700	700	200	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Butyl benzyl phthalate	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.82 U	0.79 U
	Carbazole	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Diethyl phthalate	200	300	200	300	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.82 U	0.79 U

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte																								
							Sample Location:	NBHS		NBHS		NBHS	Walsh Field		Walsh Field	Walsh Field			Walsh Field			Walsh Field		Walsh Field	
							Sample ID:	HF-43D		HF-43G		HF-43H	WFA-4		WTR-SS-07	SB-265			SB-266			WF-17	WF-18	NAP-SS-01	NAP-SS-02
							Sample Depth (ft.):	0-1	1-3	0-1	1-3	1-3	0-1	1-2.5	0-0.5	1	4	7.5	1	4	9	0-0.5	0-0.5	0-0.5	0-0.5
							Sample Date:	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	2/23/2006	2/23/2006	3/19/2009	7/14/2008	7/14/2008	7/14/2008	7/15/2008	7/15/2008	7/15/2008	9/30/2008	9/30/2008	3/19/2009	3/19/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA																		
	Dimethyl phthalate	50	600	50	600	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Di-n-butylphthalate	NS	NS	NS	NS	50	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.82 U	0.79 U
	Di-n-octyl phthalate	NS	NS	NS	NS	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Hexachlorobenzene	0.7	0.7	5	5	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Hexachlorobutadiene	6	6	90	90	6	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Hexachloroethane	3	9	3	100	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Isophorone	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Nitrobenzene	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Nitrosodimethylamine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Nitroso-di-n-propylamine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Nitrosodiphenylamine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Pentachlorophenol	10	10	70	10	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Phenol	50	20	50	20	1	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyridine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.41 U	0.40 U
	Dibenzofuran	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	**0.059**	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.205 U	0.198 U
	2-Methylnaphthalene	80	300	80	500	0.7	N/A	NA	NA	NA	NA	NA	NA	0.056 U	0.199 U	0.175 U	0.232 U	0.200 U	0.176 U	0.201 U	0.204 U	NA	NA	0.205 U	0.198 U
	Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	NA	NA	NA	NA	NA	NA	**0.098**	0.199 U	0.175 U	**0.232**	0.200 U	0.176 U	0.201 U	0.204 U	NA	NA	0.205 U	0.198 U
	Acenaphthylene	600	10	600	10	1	N/A	NA	NA	NA	NA	NA	NA	**0.240**	0.199 U	0.175 U	0.232 U	0.200 U	0.176 U	0.201 U	0.204 U	NA	NA	0.205 U	**0.252**
	Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	**0.490**	0.199 U	0.175 U	**0.797**	0.200 U	0.176 U	0.201 U	0.204 U	NA	NA	0.205 U	**0.445**
	Benzo(a)anthracene	7	7	40	40	7	N/A	NA	NA	NA	NA	NA	NA	**1.10**	**0.38**	0.175 U	**1.87**	0.200 U	0.176 U	**0.547**	0.204 U	NA	NA	0.205 U	**0.356**
	Benzo(a)pyrene	2	2	4	4	2	N/A	NA	NA	NA	NA	NA	NA	**1.0**	**0.349**	0.175 U	**1.66**	0.200 U	0.176 U	**0.629**	0.204 U	NA	NA	0.205 U	**0.400**
	Benzo(b)fluoranthene	7	7	40	40	7	N/A	NA	NA	NA	NA	NA	NA	**0.790**	**0.408**	0.175 U	**1.96**	0.200 U	0.176 U	**0.712**	0.204 U	NA	NA	0.205 U	**0.239**
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	**0.400**	**0.217**	0.349 U	**1.15**	0.399 U	0.351 U	**0.595**	0.408 U	NA	NA	0.205 U	0.198 U
	Benzo(k)fluoranthene	70	70	400	400	70	N/A	NA	NA	NA	NA	NA	NA	**1.10**	0.199 U	0.175 U	**0.721**	0.200 U	0.176 U	**0.258**	0.204 U	NA	NA	0.205 U	**0.460**
	Chrysene	70	70	400	400	70	N/A	NA	NA	NA	NA	NA	NA	**0.930**	**0.421**	0.175 U	**1.91**	0.200 U	0.176 U	**0.601**	0.204 U	NA	NA	0.205 U	0.198 U
	Dibenz(a,h)anthracene	0.7	0.7	4	4	1	N/A	NA	NA	NA	NA	NA	NA	**0.200**	0.199 U	0.349 U	0.464 U	0.399 U	0.351 U	0.401 U	0.408 U	NA	NA	0.205 U	**0.755**
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	**1.90**	**0.59**	0.175 U	**2.86**	0.200 U	0.176 U	**0.964**	0.204 U	NA	NA	0.205 U	0.198 U
	Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	**0.120**	0.199 U	0.175 U	**0.327**	0.200 U	0.176 U	0.201 U	0.204 U	NA	NA	0.205 U	**0.292**
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	NA	NA	NA	NA	NA	NA	**0.350**	**0.247**	0.349 U	**1.36**	0.399 U	0.351 U	**0.653**	0.408 U	NA	NA	0.205 U	0.198 U
	Naphthalene	40	500	40	1,000	4	N/A	NA	NA	NA	NA	NA	NA	0.056 U	0.199 U	0.175 U	**0.265**	0.200 U	0.176 U	0.201 U	0.204 U	NA	NA	0.205 U	**1.02**
	Phenanthrene	500	500	1,000	1,000	10	N/A	NA	NA	NA	NA	NA	NA	**1.40**	**0.674**	0.175 U	**3.16**	0.200 U	0.176 U	**0.788**	0.204 U	NA	NA	0.205 U	**1.02**
	Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	**2.20**	**1.03**	0.175 U	**3.57**	0.200 U	0.176 U	**1.32**	0.204 U	NA	NA	*ND*	***5.239***
PCBs																									
(mg/kg)	Aroclor 1016/1242	2	2	3	3	2	1	NA	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1016	2	2	3	3	2	1	0.0606 U	1.13 U	0.0550 U	0.0516 U	0.561 U	NA	NA	NA	0.0510 U	0.0632 U	0.0570 U	0.0502 U	0.0571 U	0.0593 U	NA	NA	0.123 U	0.119 U
	Aroclor 1221	2	2	3	3	2	1	0.0606 U	1.13 U	0.0550 U	0.0516 U	0.561 U	0.2 U	0.2 U	NA	0.0510 U	0.0632 U	0.0570 U	0.0502 U	0.0571 U	0.0593 U	NA	NA	0.123 U	0.119 U
	Aroclor 1232	2	2	3	3	2	1	0.0606 U	1.13 U	0.0550 U	0.0516 U	0.561 U	0.1 U	0.1 U	NA	0.0510 U	0.0632 U	0.0570 U	0.0502 U	0.0571 U	0.0593 U	NA	NA	0.123 U	0.119 U
	Aroclor 1242	2	2	3	3	2	1	0.0606 U	1.13 U	0.0550 U	0.0516 U	0.561 U	NA	NA	NA	0.0510 U	0.0632 U	0.0570 U	0.0502 U	0.0571 U	0.0593 U	NA	NA	0.123 U	0.119 U
	Aroclor 1248	2	2	3	3	2	1	0.0606 U	1.13 U	0.0550 U	0.0516 U	0.561 U	0.1 U	0.1 U	NA	0.0510 U	0.0632 U	0.0570 U	0.0502 U	0.0571 U	0.0593 U	NA	NA	0.123 U	0.119 U
	Aroclor 1254	2	2	3	3	2	1	0.0606 U	**26.7 ***	**0.142 ***	0.0516 U	**7.13 ***	0.1 U	0.1 U	NA	**0.153 J**	0.0632 U	0.0570 U	0.0502 U	0.0571 U	0.0593 U	NA	NA	0.123 U	0.119 U
	Aroclor 1260	2	2	3	3	2	1	0.0606 U	1.13 U	0.0550 U	0.0516 U	0.561 U	0.1 U	0.1 U	NA	**0.084 J**	0.0632 U	0.0570 U	0.0502 U	0.0571 U	0.0593 U	NA	NA	0.123 U	0.119 U
	Aroclor 1262	2	2	3	3	2	1	NA	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.123 U	0.119 U
	Aroclor 1268	2	2	3	3	2	1	NA	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.123 U	0.119 U
	Total PCBs	2	2	3	3	2	1	0.0606 U	**26.7**	**0.142**	0.0516 U	**7.13**	0.2 U	0.2 U	NA	**0.237 J**	0.0632 U	0.0570 U	0.0502 U	0.0571 U	0.0593 U	NA	NA	ND	ND
Pesticides																									
(mg/kg)	Aldrin	0.04	0.04	0.4	0.4	0.04	N/A	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-BHC	NS	NS	NS	NS	50	N/A	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	beta-BHC	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	delta-BHC	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-BHC	1	1	2	1	0.003	N/A	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDD	4	4	30	30	4	N/A	NA	NA	NA	NA	NA	NA	0.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDE	3	3	20	20	3	N/A	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDT	3	3	20	20	3	N/A	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte																								
							Sample Location:	NBHS		NBHS		NBHS	Walsh Field		Walsh Field	Walsh Field			Walsh Field			Walsh Field		Walsh Field	
							Sample ID:	HF-43D		HF-43G		HF-43H	WFA-4		WFR-SS-07	SB-265			SB-266			WF-17	WF-18	NAP-SS-01	NAP-SS-02
							Sample Depth (ft.):	0-1	1-3	0-1	1-3	1-3	0-1	1-2.5	0-0.5	1	4	7.5	1	4	9	0-0.5	0-0.5	0-0.5	0-0.5
							Sample Date:	4/1/2009	4/1/2009	4/1/2009	4/1/2009	4/1/2009	2/23/2006	2/23/2006	3/19/2009	7/14/2008	7/14/2008	7/14/2008	7/15/2008	7/15/2008	7/15/2008	9/30/2008	9/30/2008	3/19/2009	3/19/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA																		
	Dieldrin	0.05	0.05	0.4	0.4	0.05	N/A	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan I	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan II	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan sulfate	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin	8	8	10	10	8	N/A	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin aldehyde	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin Ketone	NS	NS	NS	NS	8	N/A	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor	0.2	0.2	2	2	0.2	N/A	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	0.09	0.09	0.7	0.7	0.09	N/A	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	5	5	0.7	N/A	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methoxychlor	200	200	300	300	200	N/A	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toxaphene	NS	NS	NS	NS	10.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides																									
(mg/kg)	2,4-D	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-TP (Silvex)	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dicamba	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichloroprop	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5 T	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4 DB	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	0.25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dinoseb	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																									
(mg/kg)	Mercury	20	20	30	30	20	N/A	NA	NA	NA	NA	NA	NA	**0.259**	**0.169**	**0.068**	**0.276**	0.028 U	0.017 U	**0.406**	0.012 U	NA	NA	**0.102**	**0.162**
	Antimony	20	20	30	30	20	N/A	NA	NA	NA	NA	NA	NA	NA	4.77 U	R	R	R	R	R	R	NA	NA	NA	NA
	Arsenic	20	20	20	20	20	N/A	NA	NA	NA	NA	NA	NA	**4.94**	**4.34**	**2.66**	**16.3**	3.00 U	**5.64**	**9.94**	3.06 U	**5.75**	**6.05**	**5.49**	**7.34**
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	**271**	**215**	**10.8**	**270**	5.99 U	**25.5**	**202**	6.12 U	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	N/A	NA	NA	NA	NA	NA	NA	NA	0.30 U	0.27 U	0.35 U	0.30 U	0.27 U	0.31 U	0.31 U	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	N/A	0.31 U	**1.21**	**0.32**	**0.82**	NA	NA	**0.72**	**0.38**	0.27 U	**2.90**	0.30 U	0.27 U	**0.34**	0.31 U	NA	NA	**0.32**	0.30 U
	Chromium	30	30	200	200	30	N/A	NA	NA	NA	NA	NA	NA	**7.31**	**10.6**	**4.76**	**18.0**	**1.95**	**22.1**	**12.4**	**1.44**	NA	NA	**12.7**	**11.9**
	Lead	300	300	300	300	300	N/A	**26.3**	**1,460**	**82.8**	**273**	**281**	NA	**319**	**197**	**43.2**	**872**	**2.28**	**3.15**	**286**	**1.74**	NA	NA	**73.5**	**99.7**
	Nickel	20	20	700	700	20	N/A	NA	NA	NA	NA	NA	NA	NA	**4.72**	**4.00**	**44.2**	**1.33**	**12.1**	**9.44**	**1.58**	NA	NA	NA	NA
	Selenium	400	400	800	800	400	N/A	NA	NA	NA	NA	NA	NA	0.72 U	5.96 U	5.24 U	6.96 U	5.99 U	5.26 U	6.01 U	6.12 U	NA	NA	NA	NA
	Silver	100	100	200	200	100	N/A	NA	NA	NA	NA	NA	NA	0.36 U	0.60 U	**1.64**	**17.4**	0.60 U	**3.52**	**5.95**	0.62 U	NA	NA	NA	NA
	Thallium	8	8	60	60	8	N/A	NA	NA	NA	NA	NA	NA	NA	3.58 U	3.14 U	4.18 U	3.59 U	3.16 U	3.61 U	3.67 U	NA	NA	NA	NA
	Vanadium	600	600	1,000	1,000	600	N/A	NA	NA	NA	NA	NA	NA	NA	**13.9**	**9.68**	**22.6**	5.99 U	**23.3**	**26.1**	6.12 U	NA	NA	NA	NA
	Zinc	2,500	2,500	3,000	3,000	2,500	N/A	NA	NA	NA	NA	NA	NA	NA	**81.5**	**34.7**	**603**	**14.3**	**25.5**	**70.0**	**10.6**	NA	NA	NA	NA
Metals, TCLP																									
(mg/L)	Arsenic	NS	NS	NS	NS	NS	5.0(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	NS	NS	NS	NS	100(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	NS	NS	NS	NS	1.0(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	NS	NS	NS	NS	5.0(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	NS	NS	NS	NS	5.0(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	NS	NS	NS	NS	1.0(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	NS	NS	NS	NS	5.0(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	NS	NS	NS	NS	0.2(5)	NA	NA	NA	NA	NA	NA	**1.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactivity																									
(mg/kg)	Reactive cyanide	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	0.26 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Reactive sulfide	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																									
(mg/kg)	Diesel Range Organics	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	**112**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**24**	**22**
	Gasoline Range Organics	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	**5.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability																									
(Deg. F)	Ignitability	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	**>200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte							Former KJHS			Former KJHS			Former KJHS		
							Sample ID:	TRC-41			TRC-37			TRC-52		
							Sample Depth (ft.):	1	5	9	1	4-5	7	1	4	7
							Sample Date:	1/26/2009	1/26/2009	1/26/2009	1/21/2009	1/21/2009	1/21/2009	1/29/2009	1/29/2009	1/29/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA									
VOCs																
(mg/kg)	Acetone	50	400	50	400	6.0	N/A	NA	0.13 U	NA	NA	0.089 U	NA	NA	NA	NA
	Tertiary Amyl Methyl Ether	NS	NS	NS	NS	NS	N/A	NA	0.002 U	NA	NA	0.001 U	NA	NA	NA	NA
	Benzene	30.0	30	200.0	200	2.0	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Bromobenzene	NS	NS	NS	NS	100	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NS	NS	NS	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Bromodichloromethane	0.1	20	0.1	100	0.1	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Bromoform	1	200	1	800	0.1	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Bromomethane	0.5	30	0.5	30	0.5	N/A	NA	0.013 U	NA	NA	0.009 U	NA	NA	NA	NA
	sec-Butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	n-butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	tert-butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NS	NS	100	N/A	NA	0.008 U	NA	NA	0.006 U	NA	NA	NA	NA
	Carbon tetrachloride	5	10	5	60	5	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Chlorobenzene	3.0	100	3.0	100	1.0	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Dibromochloromethane	0.03	20	0.03	100	0.005	N/A	NA	0.002 U	NA	NA	0.001 U	NA	NA	NA	NA
	Chloroethane	NS	NS	NS	NS	100	N/A	NA	0.025 U	NA	NA	0.018 U	NA	NA	NA	NA
	Chloroform	0.3	400	0.3	800	0.3	N/A	NA	0.005 U	NA	NA	0.004 U	NA	NA	NA	NA
	Chloromethane	NS	NS	NS	NS	100	N/A	NA	0.013 U	NA	NA	0.009 U	NA	NA	NA	NA
	2-Chlorotoluene	NS	NS	NS	NS	100	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	4-Chlorotoluene	NS	NS	NS	NS	100.0	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	10.0	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,2-Dibromoethane	0.1	0.7	0.1	4	0.1	N/A	NA	0.002 U	NA	NA	0.001 U	NA	NA	NA	NA
	Dibromomethane	NS	NS	NS	NS	500.0	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,3-Dichlorobenzene	40.0	100	40.0	500	1.0	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NS	NS	1,000	N/A	NA	0.025 U	NA	NA	0.018 U	NA	NA	NA	NA
	1,1-Dichloroethane	5	500	5	1,000	0.4	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,2-Dichloroethane	0.1	10	0.1	90	0.1	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,1-Dichloroethene	40	500	40	1,000	3	N/A	NA	0.005 U	NA	NA	0.004 U	NA	NA	NA	NA
	cis-1,2-Dichloroethene	0.40	100	0.40	500	0.300	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	trans-1,2-Dichloroethene	1	500	1	1,000	1	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,2-Dichloropropane	0.1	10	0.1	100	0.1	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NS	NS	500	N/A	NA	0.002 U	NA	NA	0.001 U	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NS	NS	0.1(2)	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NS	NS	0.01(3)	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	cis-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	N/A	NA	0.002 U	NA	NA	0.001 U	NA	NA	NA	NA
	trans-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	N/A	NA	0.002 U	NA	NA	0.001 U	NA	NA	NA	NA
	Diethyl ether	NS	NS	NS	NS	100	N/A	NA	0.025 U	NA	NA	0.018 U	NA	NA	NA	NA
	Diisopropyl ether	NS	NS	NS	NS	100	N/A	NA	0.002 U	NA	NA	0.001 U	NA	NA	NA	NA
	1,4-Dioxane	6	70	6	500	0.2	N/A	NA	0.13 U	NA	NA	0.089 U	NA	NA	NA	NA
	Ethyl Tertiary Butyl ether	NS	NS	NS	NS	NS	N/A	NA	0.002 U	NA	NA	0.001 U	NA	NA	NA	NA
	Ethylbenzene	500	500	1,000	1,000	40	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	2-Hexanone	NS	NS	NS	NS	100	N/A	NA	0.025 U	NA	NA	0.018 U	NA	NA	NA	NA
	Isopropylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	p-Isopropyltoluene	100(1)	100(1)	500(1)	500(1)	100(1)	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	2-Butanone	50	400	50	400	4	N/A	NA	0.050 U	NA	NA	0.036 U	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	N/A	NA	0.025 U	NA	NA	0.018 U	NA	NA	NA	NA
	Methyl tert-butyl ether	100	100	100	500	0.1	N/A	NA	0.005 U	NA	NA	0.004 U	NA	NA	NA	NA
	Methylene chloride	20	200	20	900	0.1	N/A	NA	0.025 U	NA	NA	0.018 U	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	N/A	NA	0.005 U	NA	NA	0.004 U	NA	NA	NA	NA
	n-Propylbenzene	100(1)	100(1)	500(1)	500(1)	100	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Styrene	4	30	4	200	3	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	0.1	7	0.1	100	0.1	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA

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New Bedford, Massachusetts

Analysis	Analyte							Former KJHS			Former KJHS			Former KJHS		
							Sample Location:									
							Sample ID:	TRC-41			TRC-37			TRC-52		
							Sample Depth (ft.):	1	5	9	1	4-5	7	1	4	7
							Sample Date:	1/26/2009	1/26/2009	1/26/2009	1/21/2009	1/21/2009	1/21/2009	1/29/2009	1/29/2009	1/29/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA									
	1,1,2,2-Tetrachloroethane	0.02	0.8	0.02	10	0.005	N/A	NA	0.002 U	NA	NA	0.001 U	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NS	NS	500	N/A	NA	0.013 U	NA	NA	0.009 U	NA	NA	NA	NA
	Toluene	500	500	1,000	1,000	30	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	70	500	70	900	2	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,1,1-Trichloroethane	500	500	600	1,000	30	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,1,2-Trichloroethane	2	4	2	60	0	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Trichloroethene	2	90	2	700	0	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NS	NS	1,000	N/A	NA	0.013 U	NA	NA	0.009 U	NA	NA	NA	NA
	1,2,3-Trichloropropane	NS	NS	NS	NS	100	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,2,4-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	1,3,5-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	10	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	Vinyl chloride	0.6	0.6	0.7	4	0.6	N/A	NA	0.013 U	NA	NA	0.009 U	NA	NA	NA	NA
	o-Xylene	300	500	300	1,000	300	N/A	NA	0.003 U	NA	NA	0.002 U	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1,000	300	N/A	NA	0.005 U	NA	NA	0.004 U	NA	NA	NA	NA
SVOCs																
(mg/kg)	1,2,4-Trichlorobenzene	70	500	70	900	2	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	1,3-Dichlorobenzene	40	100	40	500	1	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	2,4,5-Trichlorophenol	1,000	600	1,000	600	4	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	2,4,6-Trichlorophenol	20	20	20	20	0.7	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	2,4-Dichlorophenol	60	40	60	40	0.7	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	2,4-Dimethylphenol	100	500	100	1,000	0.7	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	2,4-Dinitrophenol	50	50	50	90	3	N/A	NA	0.81 U	NA	NA	1.74 U	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	2	10	10	0.7	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	2,6-Dinitrotoluene	NS	NS	NS	NS	100	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NS	NS	1,000	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	2-Chlorophenol	100	100	100	300	0.7	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	2-Methylphenol	NS	NS	NS	NS	500	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NS	NS	100	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	3,3'-Dichlorobenzidine	1	1	10	10	1	N/A	NA	0.21 U	NA	NA	0.44 U	NA	NA	NA	NA
	3-Methylphenol/4-Methylpheno	NS	NS	NS	NS	500	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,6-Dinitro-2-methylphenol	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl phenyl ether	NS	NS	NS	NS	100	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	4-Chloro-3-methylphenol	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	100	3	100	3	1	N/A	NA	0.81 U	NA	NA	1.74 U	NA	NA	NA	NA
	4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NS	NS	100	N/A	NA	0.81 U	NA	NA	1.74 U	NA	NA	NA	NA
	Acetophenone	NS	NS	NS	NS	1,000	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	Aniline	NS	NS	NS	NS	1,000	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	Azobenzene	NS	NS	NS	NS	50	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	Benzidine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzoic Acid	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	bis(2-Chloroethoxy)methane	NS	NS	NS	NS	500	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	bis(2-Chloroethyl)ether	0.7	0.7	0.7	3	0.7	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	0.7	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	bis(2-Ethylhexyl)phthalate	200	200	700	700	200	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	Butyl benzyl phthalate	NS	NS	NS	NS	100	N/A	NA	0.81 U	NA	NA	1.74 U	NA	NA	NA	NA
	Carbazole	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethyl phthalate	200	300	200	300	10	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA

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Analysis	Analyte						Sample Location:	Former KJHS			Former KJHS			Former KJHS		
							Sample ID:	TRC-41			TRC-37			TRC-52		
							Sample Depth (ft.):	1	5	9	1	4-5	7	1	4	7
							Sample Date:	1/26/2009	1/26/2009	1/26/2009	1/21/2009	1/21/2009	1/21/2009	1/29/2009	1/29/2009	1/29/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA									
	Dimethyl phthalate	50	600	50	600	30	N/A	NA	0.81 U	NA	NA	1.74 U	NA	NA	NA	NA
	Di-n-butylphthalate	NS	NS	NS	NS	50	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	Di-n-octyl phthalate	NS	NS	NS	NS	1,000	N/A	NA	0.81 U	NA	NA	1.74 U	NA	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	5	5	0.7	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	3	9	3	100	0.7	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	Isophorone	NS	NS	NS	NS	100	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	Nitrobenzene	NS	NS	NS	NS	500	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	n-Nitrosodimethylamine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Nitroso-di-n-propylamine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Nitrosodiphenylamine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	70	10	3	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	Phenol	50	20	50	20	1	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	Pyridine	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	N/A	NA	0.41 U	NA	NA	0.87 U	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	N/A	2.18 U	0.202 U	0.182 U	0.219 U	0.435 U	0.184 U	NA	NA	NA
	Acenaphthene	1,000	1,000	3,000	3,000	4	N/A	2.18 U	0.202 U	0.182 U	0.219 U	0.435 U	0.184 U	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	N/A	2.18 U	0.202 U	0.182 U	0.219 U	0.435 U	0.184 U	NA	NA	NA
	Anthracene	1,000	1,000	3,000	3,000	1,000	N/A	2.18 U	**0.289**	0.182 U	0.219 U	0.435 U	0.184 U	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	N/A	**2.81**	**1.17**	0.182 U	0.219 U	**0.686**	0.184 U	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	N/A	**2.54**	**1.08**	0.182 U	0.219 U	**0.593**	0.184 U	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	N/A	**2.89**	**1.30**	0.182 U	0.219 U	**0.641**	0.184 U	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	N/A	2.18 U	**0.576**	0.182 U	0.219 U	0.435 U	0.184 U	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	N/A	2.18 U	**0.502**	0.182 U	0.219 U	0.435 U	0.184 U	NA	NA	NA
	Chrysene	70	70	400	400	70	N/A	**3.22**	**1.47**	0.182 U	0.219 U	**0.775**	0.184 U	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	1	N/A	2.18 U	0.202 U	0.182 U	0.219 U	0.435 U	0.184 U	NA	NA	NA
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	N/A	**5.28**	**2.01**	0.182 U	0.219 U	**1.50**	0.184 U	NA	NA	NA
	Fluorene	1,000	1,000	3,000	3,000	1,000	N/A	2.18 U	0.202 U	0.182 U	0.219 U	0.435 U	0.184 U	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	N/A	2.18 U	**0.683**	0.182 U	0.219 U	0.435 U	0.184 U	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	N/A	2.18 U	0.202 U	0.182 U	0.219 U	0.435 U	0.184 U	NA	NA	NA
	Phenanthrene	500	500	1,000	1,000	10	N/A	**6.68**	**1.68**	0.182 U	0.219 U	**1.56**	0.184 U	NA	NA	NA
	Pyrene	1,000	1,000	3,000	3,000	1,000	N/A	**5.32**	**2.21**	0.182 U	0.219 U	**1.70**	0.184 U	NA	NA	NA
PCBs																
(mg/kg)	Aroclor 1016/1242	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1016	2	2	3	3	2	1	0.0584 U	0.0601 U	0.0590 U	0.0646 U	0.0658 U	0.0538 U	NA	NA	NA
	Aroclor 1221	2	2	3	3	2	1	0.0584 U	0.0601 U	0.0590 U	0.0646 U	0.0658 U	0.0538 U	NA	NA	NA
	Aroclor 1232	2	2	3	3	2	1	0.0584 U	0.0601 U	0.0590 U	0.0646 U	0.0658 U	0.0538 U	NA	NA	NA
	Aroclor 1242	2	2	3	3	2	1	0.0584 U	0.0601 U	0.0590 U	0.0646 U	0.0658 U	0.0538 U	NA	NA	NA
	Aroclor 1248	2	2	3	3	2	1	0.0584 U	0.0601 U	0.0590 U	0.0646 U	0.0658 U	0.0538 U	NA	NA	NA
	Aroclor 1254	2	2	3	3	2	1	**0.711 J**	0.0601 U	0.0590 U	0.0646 U	0.0658 U	0.0538 U	NA	NA	NA
	Aroclor 1260	2	2	3	3	2	1	**0.463 J**	0.0601 U	0.0590 U	0.0646 U	0.0658 U	0.0538 U	NA	NA	NA
	Aroclor 1262	2	2	3	3	2	1	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
	Total PCBs	2	2	3	3	2	1	**1.174 J**	0.0601 U	0.0590 U	0.0646 U	0.0658 U	0.0538 U	NA	NA	NA
Pesticides																
(mg/kg)	Aldrin	0.04	0.04	0.4	0.4	0.04	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-BHC	NS	NS	NS	NS	50	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	beta-BHC	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	delta-BHC	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-BHC	1	1	2	1	0.003	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDD	4	4	30	30	4	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDE	3	3	20	20	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDT	3	3	20	20	3	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Analytical Results for Force Main-Related Soil Samples
New Bedford, Massachusetts

Analysis	Analyte						Sample Location:	Former KJHS			Former KJHS			Former KJHS		
							Sample ID:	TRC-41			TRC-37			TRC-52		
							Sample Depth (ft.):	1	5	9	1	4-5	7	1	4	7
							Sample Date:	1/26/2009	1/26/2009	1/26/2009	1/21/2009	1/21/2009	1/21/2009	1/29/2009	1/29/2009	1/29/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA									
	Dieldrin	0.05	0.05	0.4	0.4	0.05	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan I	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan II	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan sulfate	NS	NS	NS	NS	0.5	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin	8	8	10	10	8	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin aldehyde	NS	NS	NS	NS	10	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin Ketone	NS	NS	NS	NS	8	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor	0.2	0.2	2	2	0.2	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	0.09	0.09	0.7	0.7	0.09	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	5	5	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methoxychlor	200	200	300	300	200	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlordane	1	1	30	30	0.7	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toxaphene	NS	NS	NS	NS	10.0	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides																
(mg/kg)	2,4-D	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-TP (Silvex)	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dicamba	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichloroprop	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5 T	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4 DB	NS	NS	NS	NS	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dinoseb	NS	NS	NS	NS	500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
(mg/kg)	Mercury	20	20	30	30	20	N/A	**0.141**	**1.52**	0.026 U	**0.114**	**0.501**	0.017 U	**0.126**	**0.077**	0.010 U
	Antimony	20	20	30	30	20	N/A	5.23 U	4.84 U	4.35 U	5.25 U	5.22 U	4.41 U	5.62 U	5.01 U	4.73 U
	Arsenic	20	20	20	20	20	N/A	**7.74**	**13.5**	2.72 U	**5.38**	**19.8**	2.76 U	**5.34**	**21.7**	2.96 U
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	**173**	**462**	**11.4**	**54.8**	**1290**	**29.9**	**51.4**	**708**	**38.7**
	Beryllium	100	100	200	200	100	N/A	**0.72**	**4.04**	**0.30**	0.33 U	**0.67**	0.28 U	0.36 U	**1.24**	0.30 U
	Cadmium	2	2	30	30	2	N/A	**0.93**	**3.59**	0.28 U	0.33 U	**3.60**	0.28 U	**0.39**	**1.21**	0.30 U
	Chromium	30	30	200	200	30	N/A	**18.6**	**16.2**	**3.10**	**13.0**	**126**	**21.0**	**16.7**	**24.6**	**16.0**
	Lead	300	300	300	300	300	N/A	**594**	**2,000**	**6.90**	**203**	**4,460**	**4.16**	**78.9**	**1,110**	**7.27**
	Nickel	20	20	700	700	20	N/A	**12.5**	**15.4**	**3.20**	**4.78**	**15.9**	**9.77**	**6.20**	**17.6**	**8.15**
	Selenium	400	400	800	800	400	N/A	6.54 U	6.05 U	5.44 U	6.56 U	6.52 U	5.51 U	7.02 U	**6.60**	5.91 U
	Silver	100	100	200	200	100	N/A	0.66 U	0.61 U	0.55 U	0.66 U	0.66 U	0.56 U	0.71 U	0.63 U	0.60 U
	Thallium	8	8	60	60	8	N/A	3.93 U	3.63 U	3.27 U	3.94 U	3.92 U	3.31 U	4.21 U	3.76 U	3.55 U
	Vanadium	600	600	1,000	1,000	600	N/A	**25.2**	**22.7**	**5.46**	**22.8**	**34.8**	**13.0**	**23.9**	**30.5**	**16.9**
	Zinc	2,500	2,500	3,000	3,000	2,500	N/A	**181**	**617**	**22.6**	**46.6**	**1,050**	**56.3**	**60.2**	**653**	**29.1**
Metals, TCLP																
(mg/L)	Arsenic	NS	NS	NS	NS	NS	5.0[5]	NA	0.010 U	NA	NA	0.010 U	NA	0.010 U	0.010 U	0.010 U
	Barium	NS	NS	NS	NS	NS	100[5]	NA	**0.60**	NA	NA	**2.46**	NA	**0.34**	**1.88**	**0.24**
	Cadmium	NS	NS	NS	NS	NS	1.0[5]	NA	**0.009**	NA	NA	**0.100**	NA	0.005 U	**0.017**	0.005 U
	Chromium	NS	NS	NS	NS	NS	5.0[5]	NA	0.010 U	NA	NA	0.010 U	NA	0.01 U	0.01 U	0.01 U
	Lead	NS	NS	NS	NS	NS	5.0[5]	NA	**0.721**	NA	NA		NA	**0.075**	**1.23**	0.015 U
	Selenium	NS	NS	NS	NS	NS	1.0[5]	NA	0.050 U	NA	NA	0.050 U	NA	0.05 U	0.05 U	0.05 U
	Silver	NS	NS	NS	NS	NS	5.0[5]	NA	0.005 U	NA	NA	0.005 U	NA	**0.006**	0.005 U	0.005 U
	Mercury	NS	NS	NS	NS	NS	0.2[5]	NA	0.00010 U	NA	NA	0.0001 U	NA	0.00010 U	0.00010 U	0.00010 U
Reactivity																
(mg/kg)	Reactive cyanide	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Reactive sulfide	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																
(mg/kg)	Diesel Range Organics	1,000	1,000	3,000	3,000	1,000	N/A	NA	**380**	NA	NA	**55**	NA	NA	NA	NA
	Gasoline Range Organics	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability																
(Deg. F)	Ignitability	NS	NS	NS	NS	NS	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA

NOTES:
1. ALL BORINGS, WELLS, AND SOIL GAS LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE AND ARE BASED ON SITE CONDITIONS AND BEST PROFESSIONAL JUDGEMENT.
2. ALL BETA POINTS ARE APPROXIMATE.
3. AERIAL SOURCE: MASSGIS 2005

APPROXIMATE GRAPHIC SCALE

0' 30' 60' 120'

LEGEND:

- APPROXIMATE ORIGINALLY PROPOSED FORCE MAIN PATHWAY
- APPROXIMATE ORIGINALLY PROPOSED DRILLING ACCESS EXCAVATIONS
- APPROXIMATE ADJUSTED FORCE MAIN PATHWAY
- APPROXIMATE ADDITIONAL DRILLING ACCESS EXCAVATIONS

ENVIRONMENTAL INVESTIGATION AND RELATED ENVIRONMENTAL CONSULTING SERVICES
NEW BEDFORD HIGH SCHOOL & SURROUNDING NEIGHBORHOOD
NEW BEDFORD, MASSACHUSETTS

NEW ANDREA McCOY FIELD

PROPOSED DIRECTIONAL DRILLING PATHWAY

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

FIGURE 1

DRAWN BY: HWB
CHECKED BY: JBS
DATE: OCT 2009

FILE: T:\E_CAD\115058\BASE 10-05-09 - AMF.dwg

ATTACHMENT B

USEPA Response Letter (November 12, 2009)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
1 CONGRESS STREET, SUITE 1100, BOSTON, MASSACHUSETTS 02114-2023

Certified Mail – Return Receipt Requested

November 12, 2009

Scott Alfonse, Director
Environmental Stewardship Department
City of New Bedford
133 William Street, Room 304
New Bedford, Massachusetts 02740

Re: Installation of Storm Drain Force Main – TSCA Applicability

Dear Mr. Alfonse:

This is written in response to your October 26, 2009 letter regarding the City of New Bedford's plan for installation of a horizontally directionally drilled storm drain system. This storm drain system is associated with the new athletic complex that will be constructed on the former Keith Junior High School Site. In your letter you indicate that due to a modification to the storm drain system plan, a portion of the "adjusted" storm drain system will be located in the southwestern portion of the New Bedford High School property.

This modification will result in the generation of approximately 30 cubic yards of soil that will be permanently displaced which will require off-site disposal. The work will be conducted in accordance with a Utility-Related Abatement Measure (URAM) as set forth in the Massachusetts Contingency Plan and subject to review and oversight by the Massachusetts Department of Environmental Protection. The letter indicates that all excavated soils will be staged on poly sheeting and covered with poly sheeting until returned to the excavation or transported for off-site disposal.

Condition 1 of the August 31, 2005 Approval for Risk-Based Cleanup and Disposal required the City to submit a plan to address PCB contamination if PCBs regulated under 40 CFR Part 761 were identified during assessment activities or alternatively, a justification as to why the PCBs were not regulated for cleanup. In your letter you conclude that the soils which would be displaced as part of this project are not regulated for cleanup under 40 CFR Part 761 since the soils do not meet the definition of a *PCB remediation waste* as defined at 40 CFR 761.3. You base this determination on the following:

1. New Bedford High School (NBHS) was constructed in the early 1970s and the Parker Street Waste Site (PSWS) related activities took place between 1950 and 1954. Thus, waste deposition from PSWS activities concluded prior to April 1978.

2. The highest PCB concentration identified within the area of the NBHS property which would be impacted by the project is 26.7 parts per million (ppm), which is located approximately 45 feet from the project area. The nearest soil location with PCBs at greater than 50 ppm is located approximately 350 feet from the project area.

Given the above, it does not appear that the soils which are likely to be displaced during this project meet the definition of a *PCB remediation waste*, as defined at 40 CFR § 761.3. Accordingly, EPA approval for this project is not required. However, in the event the City identifies PCB-contaminated soils at greater than or equal to (≥) 50 ppm located in the project area, the City is required to comply with 40 CFR Part 761.

Please be aware that EPA's determination applies solely to the soils located on the NBHS property which are within the "adjusted" storm drain project area as shown on Figure 1 of the October 26, 2009 letter. This determination has no bearing on the requirements under 40 CFR Part 761 for PCB-contaminated soils located on other portions of the NBHS property or within the PSWS.

Questions regarding this matter should be directly to Kim Tisa at (617) 918-1527.

Sincerely,

Mary Sanderson

Mary Sanderson, Chief
Remediation & Restoration II Branch
Office of Site Remediation & Restoration

cc: D. Sullivan, TRC
M. Cote, MassDEP
File

ATTACHMENT C

URAM Amendment Memorandum

TRC
Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

Main 978-970-5600
Fax 978-453-1885

Memorandum

To:	The Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup
From:	David M. Sullivan, LSP, CHMM, TRC Environmental Corporation
Subject:	Revised URAM Submittal for the New Andre McCoy Field (Former Keith Junior High School), New Bedford, Massachusetts
Date:	December 15, 2009
CC:	Scott Alfonse, Director of Environmental Stewardship, City of New Bedford David Fredette, PE, Dept. of Environmental Stewardship, City of New Bedford

Introduction

Per direction of Molly Cote of the Massachusetts Department of Environmental Protection (MassDEP), TRC Environmental Corporation (TRC) prepared this memorandum to amend and update the Utility-related Abatement Measure (URAM) Plan submitted to MassDEP on September 22, 2009 for Release Tracking Number (RTN) 4-15685, regarding directional drilling and force main installation at the Parker Street Waste Site (PSWS). The following presents an email correspondence between TRC and MassDEP, the United States Environmental Protection Agency (EPA), the City of New Bedford (the City), and others. The following copy of recent email correspondence details the amendments to the original URAM submission (September 22, 2009).

From: Sullivan, Dave (Lowell,MA-US)
Sent: Thursday, December 10, 2009 1:23 PM
To: 'Tisa.Kimberly@epamail.epa.gov'; 'molly.cote@state.ma.us'; Martin, Gerard (DEP); David Fredette; 'Phil Lasker'; Saunders, Jeffry (Lowell,MA-US)
Cc: 'Scott Alfonse'; Lawrence Oliveira; 'billdocarmo@comcast.net'
Subject: New McCoy Field - Force Main Project - Post-Teleconference Summary
Importance: High

To all:

This e-mail was prepared by TRC as discussed at during our December 9, 2009 teleconference to summarize our understanding of the work and outline the path forward.

As noted in TRC's Release Abatement Measure (RAM) Plan for the New Andre McCoy Field (Former Keith Junior High School) soil removal in support of risk reduction and construction activities submitted in April 2009 and the associated Soil Management Plan (SMP), the City of New Bedford (City) had undertaken plans to horizontally directionally drill a force main storm sewer line that would tie into the existing City infrastructure. The line is designed to connect a pump station

being built as part of the New McCoy Field Athletic Complex into an existing storm sewer line within Hathaway Boulevard. The utility installation work will take place within the boundaries of the Parker Street Waste Site (PSWS), therefore a Utility-Related Abatement Measure (URAM) was submitted to the Massachusetts Department of Environmental Protection (MassDEP) on September 22, 2009 (RTN 4-15685) pursuant to 310 CMR 40.0460 of the Massachusetts Contingency Plan (MCP). The URAM was submitted prior to initiation of force main drilling activities and was based on the information available to TRC at that time.

Proposed minor design modifications to the force main (see attached Figure 1), including a slight adjustment of the force main pathway, the addition of drilling entry/exit point excavations and an increase in the diameter of the force main to 8-inches, were identified to the City, The City notified the United States Environmental Protection Agency (EPA) of the proposed directional drilling activities in a letter to Kimberly Tisa dated October 26, 2009. The letter outlined the proposed design changes and outlined evidence that the installation activities and associated displacement of soil did not qualify for regulation as PCB Remediation Waste or require classification and disposal under EPA's PCB regulations under 40 CFR Part 761. Subsequently, the EPA issued a response letter to the City dated November 12, 2009 confirming that the soils likely to be encountered during implementation of the URAM, as it was defined in the City's October 2009 letter, did not meet the definition of PCB Remediation Waste and therefore the work did not require EPA approval. However, additional modifications to the scope of work might require EPA approval and URAM activities are subject to EPA review and oversight.

Following a meeting between the City, construction contractor (David W. White & Sons) and the directional drilling subcontractor (i.e., Jade Horizontal Directional Drilling), additional details of the directional drilling activities presented to TRC by the City. TRC summarized that information and presented it to the EPA and MassDEP via email on December 6, 2009. Following review of to the updated proposed activities, the scope of work was discussed in further detail via email and during a conference call on December 9, 2009 between TRC, the City, EPA, MassDEP and David W. White & Sons. This e-mail summarizes the understanding reached during the December 9, 2009 conference call:

- **Exploratory Test Pit Excavation** – An exploratory test pit will be excavated adjacent to the sidewalk east of Hathaway Boulevard at the intersection with Greenwood Street (see attached Figure 1). The test pit will serve to properly locate (particularly the depth below grade) the electrical and communication duct banks running along the eastern side of the Hathaway Boulevard in line with the force main route. The duct banks must be located prior to initiation of drilling activities to facilitate force main installation. The work will require excavation of a single small and shallow test pit. The excavated material will be temporary stockpiled on and covered with polyethylene sheeting on the paved sidewalk adjacent to Hathaway Boulevard. The work area will be temporarily secured with caution tape, traffic cones, etc. Following identification of the existing underground utilities, the test pit will be immediately backfilled with the stockpiled material. TRC will provide environmental oversight during the test pit activities, including fugitive dust monitoring (i.e., upwind, work zone and downwind real-time monitoring with DustTrakTM units or equivalent) and work zone air monitoring with a photoionization detector (PID) as noted

in the above referenced RAM Plan. It is anticipated that this work will take less than one day to complete.

- **Enclosed Work Area / Staging Area** – A temporary fence will be erected to enclose a work area / staging area north of Parker Street and south of New Bedford High School (NBHS), specifically the pool area (i.e., F-Block). The proposed work area / staging area will be enclosed by a temporary chain-link fence used to enclose an entry/exit point excavation, drill rig, support truck, Vac-Rig, piping, temporary soil stockpiles (detailed further below) and collected drilling fluids (detailed further below). Attached Figure 1 shows the approximate location and extent of the proposed work area / staging area. The temporary fence posts will be directly driven (no soil excavation involved) by David W. White & Sons or their selected subcontractor. Steel plates will be used throughout a large portion of the work area/staging area to minimize disturbance to surface soils and the only access gate will be from Parker Street. The access gate will enter onto an existing approximately 8-foot wide asphalt sidewalk to minimize surface soil disturbance as a result of vehicle traffic to and from the work area / staging area. The steel plates will be used to cover grass in those areas most likely to be disturbed by construction activities (i.e., those areas impacted by heavy vehicle traffic, equipment staging, Vac-Rig movement, stockpiling, roll-off staging, etc.). Temporary fence installation will begin as early as December 11, 2009 consistent with verbal approval granted by MassDEP during the December 9, 2009 conference call.

- **Pipeline Pathway** – The proposed pathway of the pipeline and the entry/exit point excavation within the enclosed work area / staging area has shifted slightly northeast to accommodate a direct drilling line to the Hathaway Boulevard exit point / tie-in. This eliminates the need for an entry/exit point excavation adjacent to Hathaway Boulevard, as previously proposed, in favor of a direct tie-in to the existing infrastructure.

- **Updated Discussion Concerning TSCA Applicability** – Based on the available soil data, the highest total PCB concentration within the work area / staging area is 1.5 mg/kg. The excavation is within the temporary enclosure and the excavation location has only been adjusted approximately 20-30 feet. It is TRC's opinion that the EPA decision from the November 22, 2009 EPA response letter is still applicable (i.e., the soil is not classified as a PCB Remediation Waste as defined in 40 CMR Part 761). The soils in this area are less than 50 mg/kg and are pre-1978. However, as discussed during the December 9, 2009 conference call, drilling activities will not proceed without approval/concurrence by the EPA and MassDEP. Note that the only soil sample analytical results in excess of MCP standards are for metals (i.e., cadmium, chromium and lead) in a few locations. Most of the results in excess of standards are from the 1 to 3 foot or 1.5 to 3 foot depth samples. One result is from a sample that indicates a depth of 0.5 to 3 feet in depth. Please see the attached table that summarizes available soil analytical data from within the proposed staging area.

- **Temporary Soil Stockpiling** – All of the soils excavated in association with drilling activities (with the exception of those associated with the test pit noted above) will be staged on polyethylene sheeting and covered with polyethylene sheeting within the

enclosed work area / staging area in accordance with the existing RAM Plan and associated SMP. This includes soils from Walsh Field entry/exit point excavation, work area / staging area excavation and Hathaway Boulevard tie-in excavation. The material will be segregated based on the excavation from which is was removed. Each of the stockpiles will be secured with hay bales and surrounded with hay bales to form a secure barrier and mitigate fugitive soil runoff. The temporary fence enclosure will remain in place until all materials destined for off-site management have been removed from the site and eligible are returned to the excavation.

- **Collected Drill Fluids & Cuttings** – The material displaced by the drilling process will consist of a mixture of drill fluids (i.e., bentonite slurry) and soil material that will be saturated when displaced. This material will be collected with the 450-gallon capacity Vac-Rig at entry/exit point excavations. The material will be transported to the work area/staging area (see attached Figure 1) for temporary storage. The drilling fluids will be placed in roll-off containers lined with an impermeable material (e.g., fitted polyethylene liner) that are staged on steel plates. The spent fluids may be mixed with sand to help firm up the material to help facilitate offsite disposal. Following this process, the material will be appropriately sampled and characterized by a laboratory and disposed of offsite through David W. White & Sons support environmental support contractor (i.e., JM Environmental). No onsite dewatering consisting of draining or decanting to the ground surface/groundwater is planned. David W. White & Sons environmental support contractor will evaluate and recommend management/disposal options. The temporary fence enclosure will remain in place until all displaced materials have been appropriately managed. Note that entry/exit point excavations are relatively widespread spatially, requiring the Vac-Rig to move both within and outside the enclosed work area / staging area.

- **Staging Area Drilling Access Point/Pilot Hole** – Horizontal directional drilling will begin within the enclosed work area / staging area on the NBHS portion of the force main pathway. The drill rig will initially be oriented facing northwest toward Hathaway Boulevard surrounded by all necessary support equipment (see attached Figure 1). It is necessary to set the drill rig in a shallow (i.e., 0.5 to 1.0 foot deep) excavation approximately 40-feet southeast of the entry/exit point excavation. The 40-foot distance allows the drilling to proceed at a downward angle in order to reach the desired depth (approximately 5-feet deep) at the entry/exit point excavation location and beyond. Soil material associated with the shallow drill rig excavation will be temporarily stockpiled in the staging area following the procedures noted above. The drilling contractor plans to drill a 4-inch diameter pilot hole northwest towards Hathaway Boulevard that will ultimately tie-in the force main to the existing City sewer system.

- **Hathaway Boulevard Exit Excavation** – The pilot hole will be drilled to an exit point excavation adjacent to the existing manhole in Hathaway Boulevard where the tie-in to the existing sewer will be made. At this excavation the Vac-Rig will be used to collect cuttings/drill fluid/slurry from the pilot hole. All soil material displaced from this excavation will be temporarily stockpiled (as noted above) and targeted for characterization and offsite disposal. This material must be transported offsite for

disposal as it will be necessary to backfill the Hathaway Boulevard excavation with material specified by the City's Department of Public Infrastructure (flowable fill).

- **Force-Main Pipe Installation –**

  - *Progress of the Work* – The installation of the force main will begin on the NBHS Campus, proceed across Parker Street to Walsh Field, then from New McCoy Field to the Walsh Field.
  - *Initiation of Pipe Installation* - Following completion of the above described pilot hole, they will setup to install a portion of the pipe through the pilot hole.
  - *Threading/Reaming* - The 8-inch diameter pipe will be threaded through the pilot hole as a reaming head expands the hole to 12-inches in diameter. Despite the greater size of the reaming head, the drillers have stated that a large quantity of excess material is not generated because the annular space fills as the pipe is advanced. Drilling fluids would again be collected with the above-mentioned Vac-Rig.
  - *Receiving End on NBHS Campus* - The pipe would be received at the point within the fenced staging area. The rig would then be moved so that drilling could continue across Parker Street and beneath Walsh Field. Please note that Walsh Field is secured by a permanent perimeter fence and is currently not being used by students for after school activities. However, the excavation and work area within Walsh Field will be temporarily secured with orange snow fence as a precaution.
  - *Receiving End on Walsh Field* - The pipe would be received at the small excavation near the Walsh Field bathrooms. Again the drilling fluids and displaced saturated soils will collected with the Vac-Rig.
  - *Final Leg of Installation between Walsh Field and New McCoy Field* - The final section of pipe would be advanced from an excavation within McCoy Field toward the Walsh Field excavation. Please note that McCoy Field is an active construction area that is already secured with temporary fencing.

- **Pipe Joints/Fusing** – Once the pipe is installed, the individual sections will be fused at each of the excavations (including clean-outs for the future use of the Department of Public Infrastructure, no other permanent structures will be installed).

- **Excavation Backfill** – In accordance with the URAM, to the degree feasible the entry/exit point excavations will be backfilled with the originally excavated material. As previously noted, material from individual excavations will not be combined for backfilling purposes. Excess material will be sampled and disposed of as noted in the October 26, 2009 notification letter. The upper 6-inches of each excavation will likely be completed with clean loam to properly restore the lawn. Any loam material that is used will be properly documented by David W. White & Sons as uncontaminated prior to use onsite. The parameters required for testing, if such data is not already provided by the soil supplier, are outlined in the previously referenced RAM Plan and it is assumed that testing would be facilitated by David W. White & Sons support contractor (i.e., JM

Environmental). Alternatively, the top six inches of loam from the excavation could be set aside for this purpose as long as it is return to its original location.

- **Displaced Pipeline Volume -** The drilling contractor estimates that approximately 7,000 gallons (i.e., approximately 32 yd3) of drilling fluids/slurry/soil mixture will be removed from the pipeline corridor and require offsite disposal (this estimate would only change significantly if large amounts of clay are encountered along the pipeline route, which is not anticipated). Running into clay could increase this volume by a factor of three, however, to date TRC has not encountered clays in the depth ranges and it the locations proposed for this work. As previously noted, the excess material will be managed in temporarily staged onsite roll-offs. Following stabilization with sand and proper disposal characterization for those parameters outlined in the RAM Plan, the material will be transported offsite for disposal at a properly permitted receiving facility. Once again, it is anticipated that David W. White & Sons support contractor will facilitate the disposal arrangements.

- **Environmental Oversight** – TRC will provide environmental oversight during the duration of drilling activities which involve open excavations, stockpile and displaced volume management and backfilling activities. Environmental monitoring will follow those procedures detailed in the RAM Plan, including fugitive dust monitoring using DustTrakTM units, or equivalent, equipped with size-selective inlet for particles of 10 micrometers in diameter or less (PM10). Background samples will be collected for at least 15 minutes at each location prior to the start of site activities. This instrumentation has an accuracy of 0.001 mg/m3. 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. Fugitive dust monitors will be placed upwind, within (i.e., work zone) and downwind of the enclosed work area / staging area in a. Monitoring in this area will occur during all excavation and stockpile management activities. In addition, monitors will be placed in close proximity to any additional open excavations during work in those areas. The additional units will be use to monitor fugitive dust associated with those specific excavations. VOC air monitoring will be performed using a 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.

- **Duration of the Work** – It is anticipated that the drilling effort will take a total of 6 days to complete.

- **Public Notification** – MassDEP emphasized that the City should provide notification to the local citizens and activists groups regarding the proposed work. TRC assumes the City will conduct the outreach noted by MassDEP.

Based on the above, TRC's believes that the work involves displacement of soils in areas similar in regulatory classification to those outlined in EPA's November 12, 2009 response letter. The modifications proposed by the building contractor actually eliminates one of the previously identified areas of excavation. Furthermore, based on the presently available analytical data, total PCB concentrations in the work area continue to be less than 50 mg/kg and the soils are classifiable as pre-1978 and therefore do not meet the definition of PCB Remediation Waste as defined in 40 CFR Part 761. As a result the work can be managed under the MCP.

TRC's also concurs with MassDEP that additional documentation appended to the URAM currently on file with the MassDEP is a suitable mechanism under which to proceed with this work. Environmental oversight and soil management will be conducted in accordance with existing RAM Plan and associated SMP and as described herein. Scope-specific activities will occur in accordance with the methods detailed above and all work will be subject to EPA and MassDEP approval.

Based on the December 9, 2009 conference call, David W. White will only proceed with installation of the work area / staging area fence at this time (presently scheduled for December 11, 2009). All additional activities (including the utility test pit work) will begin pending approval.

Please let me know if you have any questions or concerns or require any additional information. Please notify me as soon as possible if this correspondence is not sufficient for your needs or does not accurately reflect your understanding. With MassDEP's concurrence, this information can be appended to the URAM filing on e-DEP.

Sincerely,

-Dave

David M. Sullivan, LSP, CHMM
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Table 1
Summary of Available Soil Analytical Data Within Proposed Staging Area
Parker Street Waste Site
New Bedford, Massachusetts

Analysis	Analyte																		
							Area Code:	4	4	4	4	4	4	4	4	4	4	4	4
							Sample Location:	HG44	HH43	HH43+HI42	HH44	HH44+HI44	HI42	HI43	HI44	HJ42	HJ42+HF31	HJ44	HJ44+HI43
							Sample Depth (ft.):	1-3	1.5-3	1.5-3	2.5-3	1-3	2.5-3	1.5-3	1-3	2.5-3	0.5-3	2.75-3	1.5-3
							Sample Date:	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA												
VOCs																			
(mg/kg)	Acetone	50	400	50	400	6.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tertiary Amyl Methyl Ether	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30.0	30	200.0	200	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	0.1	20	0.1	100	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	1	200	1	800	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	0.5	30	0.5	30	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	5	10	5	60	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3.0	100	3.0	100	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	0.03	20	0.03	100	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	0.3	400	0.3	800	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorotoluene	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorotoluene	NS	NS	NS	NS	100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.1	0.7	0.1	4	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	NS	NS	500.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40.0	100	40.0	500	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	5	500	5	1,000	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	0.1	10	0.1	90	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	40	500	40	1,000	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	0.40	100	0.40	500	0.300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	1	500	1	1,000	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	0.1	10	0.1	100	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NS	NS	0.1(2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NS	NS	0.01(3)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethyl ether	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diisopropyl ether	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	6	70	6	500	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl Tertiary Butyl ether	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1,000	1,000	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100(1)	100(1)	500(1)	500(1)	100(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	50	400	50	400	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert-butyl ether	100	100	100	500	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methylene chloride	20	200	20	900	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100(1)	100(1)	500(1)	500(1)	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	4	30	4	200	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	0.1	7	0.1	100	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.02	0.8	0.02	10	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1,000	1,000	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	70	500	70	900	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichlorobenzene	400^	20^	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Available Soil Analytical Data Within Proposed Staging Area
Parker Street Waste Site
New Bedford, Massachusetts

Analysis	Analyte																		
							Area Code:	4	4	4	4	4	4	4	4	4	4	4	4
							Sample Location:	HG44	HH43	HH43+HI42	HH44	HH44+HI44	HI42	HI43	HI44	HJ42	HJ42+HF31	HJ44	HJ44+HI43
							Sample Depth (ft.):	1-3	1.5-3	1.5-3	2.5-3	1-3	2.5-3	1.5-3	1-3	2.5-3	0.5-3	2.75-3	1.5-3
							Sample Date:	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA												
	1,1,1-Trichloroethane	500	500	600	1,000	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	2	4	2	60	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	2	90	2	700	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichloropropane	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3,5-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	0.6	0.7	4	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	300	500	300	1,000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1,000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs																			
(mg/kg)	Dibenzofuran	10^	10^	NS	NS	100	NA	NA	NA	0.064 U	NA	0.059 U	NA	NA	NA	NA	**0.12**	NA	0.06 U
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	0.064 U	NA	0.059 U	NA	NA	NA	NA	**0.11**	NA	0.06 U
	Acenaphthene	1,000	1,000	3,000	3,000	4	NA	NA	NA	0.064 U	NA	0.059 U	NA	NA	NA	NA	**0.27**	NA	0.06 U
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	0.064 U	NA	**0.11**	NA	NA	NA	NA	**0.077**	NA	0.06 U
	Anthracene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	0.064 U	NA	**0.21**	NA	NA	NA	NA	**0.59**	NA	**0.14**
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	**0.15**	NA	**1.2**	NA	NA	NA	NA	**1.8**	NA	**0.51**
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	0.064 U	NA	**1.3**	NA	NA	NA	NA	**1.7**	NA	**0.5**
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	NA	**0.2**	NA	**1.7**	NA	NA	NA	NA	**2.4**	NA	**0.71**
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	0.064 U	NA	**0.43**	NA	NA	NA	NA	**0.87**	NA	**0.27**
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	0.064 U	NA	**0.52**	NA	NA	NA	NA	**0.77**	NA	**0.25**
	Chrysene	70	70	400	400	70	NA	NA	NA	**0.16**	NA	**1.1**	NA	NA	NA	NA	**1.4**	NA	**0.44**
	Dibenz(a,h)anthracene	0.7	0.7	4	4	1	NA	NA	NA	0.064 U	NA	0.059 U	NA	NA	NA	NA	0.06 U	NA	0.06 U
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	**0.27**	NA	**2.1**	NA	NA	NA	NA	**3.4**	NA	**0.92**
	Fluorene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	0.064 U	NA	0.059 U	NA	NA	NA	NA	**0.26**	NA	0.06 U
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	NA	NA	0.064 U	NA	**0.47**	NA	NA	NA	NA	**0.87**	NA	0.06 U
	Naphthalene	40	500	40	1,000	4	NA	NA	NA	0.064 U	NA	0.059 U	NA	NA	NA	NA	**0.11**	NA	0.06 U
	Phenanthrene	500	500	1,000	1,000	10	NA	NA	NA	**0.22**	NA	**0.93**	NA	NA	NA	NA	**2.8**	NA	**0.7**
	Pyrene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	**0.41**	NA	**2.7**	NA	NA	NA	NA	**7.1**	NA	**1.5**
PCBs																			
(mg/kg)	Aroclor 1016/1242	2	2	3	3	2	1	0.058 U	0.067 U	NA	0.053 U	NA	0.056 U	1.31 U	1.12 U	0.07 U	NA	0.056 U	NA
	Aroclor 1016	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1221	2	2	3	3	2	1	0.116 U	0.134 U	NA	0.107 U	NA	0.112 U	2.63 U	2.24 U	0.141 U	NA	0.113 U	NA
	Aroclor 1232	2	2	3	3	2	1	0.058 U	0.067 U	NA	0.053 U	NA	0.056 U	1.31 U	1.12 U	0.07 U	NA	0.056 U	NA
	Aroclor 1242	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1248	2	2	3	3	2	1	0.058 U	0.067 U	NA	0.053 U	NA	0.056 U	1.31 U	1.12 U	0.07 U	NA	0.056 U	NA
	Aroclor 1254	2	2	3	3	2	1	**0.565**	**0.899**	NA	**0.157**	NA	**0.538**	1.31 U	**1.5**	**0.94**	NA	**1.13**	NA
	Aroclor 1260	2	2	3	3	2	1	0.058 U	0.067 U	NA	0.053 U	NA	0.056 U	1.31 U	1.12 U	0.07 U	NA	0.056 U	NA
	Aroclor 1262	2	2	3	3	2	1	**0.279**	**0.292**	NA	0.053 U	NA	**0.155**	1.31 U	1.12 U	**0.277**	NA	**0.193**	NA
	Aroclor 1268	2	2	3	3	2	1	0.058 U	0.067 U	NA	0.053 U	NA	0.056 U	1.31 U	1.12 U	0.07 U	NA	0.056 U	NA
	Total PCBs	2	2	3	3	2	1	**0.844**	**1.191**	NA	**0.157**	NA	**0.693**	2.63 U	**1.5**	**1.217**	NA	**1.323**	NA
PCB Homologs																			
(mg/kg)	Monochlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Octachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nonachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Decachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides																			
(mg/kg)	Aldrin	0.04	0.04	0.4	0.4	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-BHC	0.1^	0.1^	NS	NS	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	beta-BHC	NS	NS	NS	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	delta-BHC	NS	NS	NS	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-BHC	1	1	2	1	0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Available Soil Analytical Data Within Proposed Staging Area
Parker Street Waste Site
New Bedford, Massachusetts

Analysis	Analyte																		
							Area Code:	4	4	4	4	4	4	4	4	4	4	4	4
							Sample Location:	HG44	HH43	HH43+HI42	HH44	HH44+HI44	HI42	HI43	HI44	HJ42	HJ42+HF31	HJ44	HJ44+HI43
							Sample Depth (ft.):	1-3	1.5-3	1.5-3	2.5-3	1-3	2.5-3	1.5-3	1-3	2.5-3	0.5-3	2.75-3	1.5-3
							Sample Date:	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004	12/30/2004
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA												
	alpha-Chlordane	1	1	30	30	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-Chlordane	1	1	30	30	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDD	4	4	30	30	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDE	3	3	20	20	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDT	3	3	20	20	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	0.05	0.05	0.4	0.4	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan I	NS	NS	NS	NS	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan II	NS	NS	NS	NS	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan sulfate	200^	20^	NS	NS	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin	8	8	10	10	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin aldehyde	NS	NS	NS	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin Ketone	NS	NS	NS	NS	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor	0.2	0.2	2	2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	0.09	0.09	0.7	0.7	0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	5	5	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methoxychlor	200	200	300	300	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlordane	1	1	30	30	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toxaphene	NS	NS	NS	NS	10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides																			
(mg/kg)	2,4-D	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-TP (Silvex)	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dicamba	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichloroprop	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5 T	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4 DB	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dinoseb	30^	7^	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																			
(mg/kg)	Mercury	20	20	30	30	20	N/A	NA	NA	**0.223**	NA	**0.15**	NA	NA	NA	NA	**1.25**	NA	**0.103**
	Antimony	20	20	30	30	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	20	20	20	20	20	N/A	NA	NA	**5.25**	NA	**4.87**	NA	NA	NA	NA	**17**	NA	**3.85**
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	**344**	NA	**135**	NA	NA	NA	NA	**340**	NA	**176**
	Beryllium	100	100	200	200	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	N/A	NA	NA	**1.78**	NA	**2.24**	NA	NA	NA	NA	**4.92**	NA	**1.96**
	Chromium	30	30	200	200	30	N/A	NA	NA	**36**	NA	**9.3**	NA	NA	NA	NA	**36**	NA	**11**
	Lead	300	300	300	300	300	N/A	NA	NA	**665**	NA	**351**	NA	NA	NA	NA	**993**	NA	**447**
	Nickel	20	20	700	700	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	N/A	NA	NA	0.77 U	NA	0.64 U	NA	NA	NA	NA	0.81 U	NA	0.68 U
	Silver	100	100	200	200	100	N/A	NA	NA	0.39 U	NA	0.32 U	NA	NA	NA	NA	**0.48**	NA	0.34 U
	Thallium	8	8	60	60	8	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1,000	1,000	600	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2,500	2,500	3,000	3,000	2,500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium (VI)	30	30	200	200	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																			
(mg/kg)	Diesel Range Organics	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Gasoline Range Organics	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP																			
(ug/L)	Barium, TCLP	NS	NS	NS	NS	NS	100,000(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium, TCLP	NS	NS	NS	NS	NS	1,000(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium, TCLP	NS	NS	NS	NS	NS	5,000(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead, TCLP	NS	NS	NS	NS	NS	5,000(5)	NA	NA	**420**	NA	**120**	NA	NA	NA	NA	**1,280**	NA	**360**
	Mercury, TCLP	NS	NS	NS	NS	NS	200(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactivity																			
(mg/kg)	Reactive cyanide	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Reactive sulfide	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability																			
(Deg. F)	Ignitability	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxidation/Reduction Potential																			
(mV)	Oxidation/Reduction Potential	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH																			
(s.u.)	pH	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Available Soil Analytical Data Within Proposed Staging Area
Parker Street Waste Site
New Bedford, Massachusetts

Analysis	Analyte																				
							Area Code:	4								4			4	4	4
							Sample Location:	HJ-42A		HJ-42B		HJ-42C		HJ-42D		SB-267			SS-42	SS-43	SS-44
							Sample Depth (ft.):	0-1	1-3	0-1	1-3	0-1	1-3	0-1	1-3	1	3.5	9	0-0.5	0-0.5	0-0.5
							Sample Date:	4/2/2009	4/2/2009	4/1/2009	4/1/2009	4/2/2009	4/2/2009	4/1/2009	4/1/2009	7/14/2008	7/14/2008	7/14/2008	12/2/2008	12/2/2008	12/2/2008
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA														
VOCs																					
(mg/kg)	Acetone	50	400	50	400	6.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tertiary Amyl Methyl Ether	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30.0	30	200.0	200	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	0.1	20	0.1	100	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	1	200	1	800	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	0.5	30	0.5	30	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	5	10	5	60	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3.0	100	3.0	100	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	0.03	20	0.03	100	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	0.3	400	0.3	800	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorotoluene	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorotoluene	NS	NS	NS	NS	100.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.1	0.7	0.1	4	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	NS	NS	500.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40.0	100	40.0	500	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	5	500	5	1,000	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	0.1	10	0.1	90	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	40	500	40	1,000	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	0.40	100	0.40	500	0.300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	1	500	1	1,000	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	0.1	10	0.1	100	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NS	NS	0.1(2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NS	NS	0.01(3)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethyl ether	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diisopropyl ether	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	6	70	6	500	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl Tertiary Butyl ether	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1,000	1,000	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100(1)	100(1)	500(1)	500(1)	100(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	50	400	50	400	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert-butyl ether	100	100	100	500	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methylene chloride	20	200	20	900	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100(1)	100(1)	500(1)	500(1)	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	4	30	4	200	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	0.1	7	0.1	100	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.02	0.8	0.02	10	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1,000	1,000	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	70	500	70	900	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichlorobenzene	400^	20^	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Summary of Available Soil Analytical Data Within Proposed Staging Area
Parker Street Waste Site
New Bedford, Massachusetts

Analysis	Analyte																				
							Area Code:	4								4			4	4	4
							Sample Location:	HJ-42A		HJ-42B		HJ-42C		HJ-42D		SB-267			SS-42	SS-43	SS-44
							Sample Depth (ft.):	0-1	1-3	0-1	1-3	0-1	1-3	0-1	1-3	1	3.5	9	0-0.5	0-0.5	0-0.5
							Sample Date:	4/2/2009	4/2/2009	4/1/2009	4/1/2009	4/2/2009	4/2/2009	4/1/2009	4/1/2009	7/14/2008	7/14/2008	7/14/2008	12/2/2008	12/2/2008	12/2/2008
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA														
	1,1,1-Trichloroethane	500	500	600	1,000	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	2	4	2	60	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	2	90	2	700	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichloropropane	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3,5-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	0.6	0.7	4	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	300	500	300	1,000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1,000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs																					
(mg/kg)	Dibenzofuran	10^	10^	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.169 U	0.207 U	0.199 U	0.199 U	0.199 U	0.201 U
	Acenaphthene	1,000	1,000	3,000	3,000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.169 U	0.207 U	0.199 U	0.199 U	0.199 U	0.201 U
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.169 U	0.207 U	0.199 U	0.199 U	0.199 U	0.201 U
	Anthracene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.169 U	0.207 U	0.199 U	0.199 U	0.199 U	0.201 U
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.260**	0.207 U	0.199 U	0.199 U	0.199 U	0.201 U
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.271**	0.207 U	0.199 U	0.199 U	0.199 U	0.201 U
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.343**	**0.275**	0.199 U	0.199 U	**0.257**	0.201 U
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.338 U	0.413 U	0.397 U	0.199 U	0.199 U	0.201 U
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.169 U	0.207 U	0.199 U	0.199 U	0.199 U	0.201 U
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.325**	**0.682**	0.199 U	0.199 U	0.199 U	0.201 U
	Dibenz(a,h)anthracene	0.7	0.7	4	4	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.338 U	0.413 U	0.397 U	0.199 U	0.199 U	0.201 U
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.523**	0.207 U	0.199 U	0.199 U	**0.437**	0.201 U
	Fluorene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.169 U	0.207 U	0.199 U	0.199 U	0.199 U	0.201 U
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.338 U	0.413 U	0.397 U	0.199 U	0.199 U	0.201 U
	Naphthalene	40	500	40	1,000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.169 U	0.207 U	0.199 U	0.199 U	0.199 U	0.201 U
	Phenanthrene	500	500	1,000	1,000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.230**	**0.846**	0.199 U	0.199 U	**0.344**	0.201 U
	Pyrene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.585**	**0.289**	0.199 U	0.199 U	**0.258**	0.201 U
PCBs																					
(mg/kg)	Aroclor 1016/1242	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1016	2	2	3	3	2	1	0.0561 U	0.0540 U	0.0536 U	0.0539 U	0.0527 U	0.0639 U	0.0532 U	0.0572 U	0.0500 U	0.0586 U	0.0584 U	0.0549 U	0.0581 U	0.0598 U
	Aroclor 1221	2	2	3	3	2	1	0.0561 U	0.0540 U	0.0536 U	0.0539 U	0.0527 U	0.0639 U	0.0532 U	0.0572 U	0.0500 U	0.0586 U	0.0584 U	0.0549 U	0.0581 U	0.0598 U
	Aroclor 1232	2	2	3	3	2	1	0.0561 U	0.0540 U	0.0536 U	0.0539 U	0.0527 U	0.0639 U	0.0532 U	0.0572 U	0.0500 U	0.0586 U	0.0584 U	0.0549 U	0.0581 U	0.0598 U
	Aroclor 1242	2	2	3	3	2	1	0.0561 U	0.0540 U	0.0536 U	0.0539 U	0.0527 U	0.0639 U	0.0532 U	0.0572 U	0.0500 U	0.0586 U	0.0584 U	0.0549 U	0.0581 U	0.0598 U
	Aroclor 1248	2	2	3	3	2	1	0.0561 U	0.0540 U	0.0536 U	0.0539 U	0.0527 U	0.0639 U	0.0532 U	0.0572 U	0.0500 U	0.0586 U	0.0584 U	0.0549 U	0.0581 U	0.0598 U
	Aroclor 1254	2	2	3	3	2	1	0.0561 U	0.0540 U	0.0536 U	**0.125** *	0.0527 U	**0.676** *	0.0532 U	**0.136** *	0.0500 U	0.0586 U	0.0584 U	0.0549 U	0.0581 U	0.0598 U
	Aroclor 1260	2	2	3	3	2	1	0.0561 U	0.0540 U	0.0536 U	**0.121** *	0.0527 U	**0.190** *	0.0532 U	0.0572 U	0.0500 U	0.0586 U	0.0584 U	0.0549 U	0.0581 U	0.0598 U
	Aroclor 1262	2	2	3	3	2	1	NA	NA	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	NA	NA
	Total PCBs	2	2	3	3	2	1	0.0561 U	0.0540 U	0.0536 U	**0.246**	0.0527 U	**0.866**	0.0532 U	**0.136**	0.0500 U	0.0586 U	0.0584 U	0.0549 U	0.0581 U	0.0598 U
PCB Homologs																					
(mg/kg)	Monochlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Octachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nonachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Decachlorobiphenyl	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides																					
(mg/kg)	Aldrin	0.04	0.04	0.4	0.4	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-BHC	0.1^	0.1^	NS	NS	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	beta-BHC	NS	NS	NS	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	delta-BHC	NS	NS	NS	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-BHC	1	1	2	1	0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
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Parker Street Waste Site
New Bedford, Massachusetts

Analysis	Analyte							4								4			4	4	4
							Area Code:														
							Sample Location:	HJ-42A		HJ-42B		HJ-42C		HJ-42D		SB-267			SS-42	SS-43	SS-44
							Sample Depth (ft.):	0-1	1-3	0-1	1-3	0-1	1-3	0-1	1-3	1	3.5	9	0-0.5	0-0.5	0-0.5
							Sample Date:	4/2/2009	4/2/2009	4/1/2009	4/1/2009	4/2/2009	4/2/2009	4/1/2009	4/1/2009	7/14/2008	7/14/2008	7/14/2008	12/2/2008	12/2/2008	12/2/2008
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1**	TSCA														
	alpha-Chlordane	1	1	30	30	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-Chlordane	1	1	30	30	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDD	4	4	30	30	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDE	3	3	20	20	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4'-DDT	3	3	20	20	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	0.05	0.05	0.4	0.4	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan I	NS	NS	NS	NS	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan II	NS	NS	NS	NS	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan sulfate	200^	20^	NS	NS	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin	8	8	10	10	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin aldehyde	NS	NS	NS	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin Ketone	NS	NS	NS	NS	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor	0.2	0.2	2	2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor epoxide	0.09	0.09	0.7	0.7	0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	5	5	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methoxychlor	200	200	300	300	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlordane	1	1	30	30	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toxaphene	NS	NS	NS	NS	10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Herbicides																					
(mg/kg)	2,4-D	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-TP (Silvex)	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dicamba	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichloroprop	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5 T	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4 DB	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dinoseb	30^	7^	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																					
(mg/kg)	Mercury	20	20	30	30	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	**0.079**	**0.078**	0.012 U	**0.044**	**0.046**	**0.041**
	Antimony	20	20	30	30	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	R	R	R	4.76 U	4.77 U	4.81 U
	Arsenic	20	20	20	20	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	**3.19**	**14.3**	**4.84**	**3.00**	2.98 U	3.01 U
	Barium	1,000	1,000	3,000	3,000	1,000	N/A	NA	NA	NA	NA	NA	NA	NA	NA	**14.0**	**200**	**7.59**	**17.5**	**29.1**	**17.7**
	Beryllium	100	100	200	200	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	0.26 U	0.31 U	0.30 U	0.30 U	0.30 U	0.31 U
	Cadmium	2	2	30	30	2	N/A	0.28 U	0.27 U	0.30 U	0.28 U	0.27 U	2.66	0.27 U	0.28 U	0.26 U	0.31 U	0.30 U	0.30 U	0.30 U	0.31 U
	Chromium	30	30	200	200	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	**5.14**	**5.30**	**3.81**	**5.29**	**7.92**	**4.87**
	Lead	300	300	300	300	300	N/A	**7.41**	**4.06**	**8.36**	**26.4**	**6.83**	**247**	**12.3**	**16.8**	**47.9**	**209**	**3.13**	**17.5**	**55.2**	**22.2**
	Nickel	20	20	700	700	20	N/A	NA	NA	NA	NA	NA	NA	NA	NA	**3.98**	**11.7**	**4.02**	**2.64**	**4.20**	**2.28**
	Selenium	400	400	800	800	400	N/A	NA	NA	NA	NA	NA	NA	NA	NA	5.06 U	6.19 U	5.95 U	5.95 U	5.96 U	6.01 U
	Silver	100	100	200	200	100	N/A	NA	NA	NA	NA	NA	NA	NA	NA	**2.22**	**3.94**	**1.17**	0.60 U	0.60 U	0.61 U
	Thallium	8	8	60	60	8	N/A	NA	NA	NA	NA	NA	NA	NA	NA	3.04 U	3.72 U	3.57 U	3.57 U	3.58 U	3.61 U
	Vanadium	600	600	1,000	1,000	600	N/A	NA	NA	NA	NA	NA	NA	NA	NA	**10.6**	**18.3**	5.95 U	**11.7**	**12.7**	**10.6**
	Zinc	2,500	2,500	3,000	3,000	2,500	N/A	NA	NA	NA	NA	NA	NA	NA	NA	**33.8**	**25.3**	**14.1**	**27.7**	**54.9**	**36.9**
	Chromium (VI)	30	30	200	200	30	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																					
(mg/kg)	Diesel Range Organics	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Gasoline Range Organics	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP																					
(ug/L)	Barium, TCLP	NS	NS	NS	NS	NS	100,000(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium, TCLP	NS	NS	NS	NS	NS	1,000(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium, TCLP	NS	NS	NS	NS	NS	5,000(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead, TCLP	NS	NS	NS	NS	NS	5,000(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury, TCLP	NS	NS	NS	NS	NS	200(5)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reactivity																					
(mg/kg)	Reactive cyanide	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Reactive sulfide	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ignitability																					
(Deg. F)	Ignitability	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxidation/Reduction Potential																					
(mV)	Oxidation/Reduction Potential	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH																					
(s.u.)	pH	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

All units in mg/kg unless otherwise specified.

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

ug/L- micrograms per liter.

mV - milliVolt.

s.u. - Standard unit.

B - Detected in associated laboratory method blank.

J - Estimated value; below quantitation limit.

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

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 or TCLP standard, as applicable

Values shown in bold and outlined exceed TSCA standard.

VOCs - Volatile Organic Compounds.

SVOCs - Semivolatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TCLP - Toxicity Characteristic Leaching Procedure.

TSCA - Toxic Substances Control Act criteria.

2004, 2005, and 2006 Data are based on the "Summary of Analytical Data, New Bedford High School" dated June 9, 2006, BETA Group, Inc.

(1) - MassDEP Method 1 standards and RC for C9-C10 aromatics used.

(2) - MassDEP RC for Dichloropropane used.

(3) - MassDEP RC for Dichloropropene used.

(4) - MassDEP RC for 1,3-Dichloropropene used.

(5) - SW-846 Chapter 7, Table 7-1, *Maximum Concentration of Contaminants for Toxicity Characteristic* .

^ - TRC developed standards.

* - The sample exhibits altered PCB pattern; best possible Aroclor match reported.

** - For references only.

(a) - The sample was re-extracted and re-analyzed. The sample weight was not initially recorded due to technician error. The re-extraction is past method specified hold time of 14 days from collection.

NOTES:
1. ALL BORINGS, WELLS, AND SOIL GAS LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE AND ARE BASED ON SITE CONDITIONS AND BEST PROFESSIONAL JUDGEMENT.
2. ALL BETA POINTS ARE APPROXIMATE.
3. AERIAL SOURCE: MASSGIS 2005

LEGEND:

- APPROXIMATE ORIGINALLY PROPOSED FORCE MAIN PATHWAY
- APPROXIMATE ORIGINALLY PROPOSED DRILLING ACCESS EXCAVATIONS
- APPROXIMATE ADJUSTED FORCE MAIN PATHWAY (OCTOBER 2009)
- APPROXIMATE ADDITIONAL DRILLING ACCESS EXCAVATIONS (OCTOBER 2009)
- APPROXIMATE ADJUSTED FORCE MAIN PATHWAY (DECEMBER 2009)
- APPROXIMATE ADDITIONAL DRILLING ACCESS EXCAVATIONS (DECEMBER 2009)
- APPROXIMATE STAGING AREA
- APPROXIMATE TEST PIT LOCATION
- APPROXIMATE SOIL STOCKPILE AREA
- APPROXIMATE TEMPORARY SLURRY HOLDING AREA
- APPROXIMATE INITIAL DRILL RIG ORIENTATIONS

APPROXIMATE GRAPHIC SCALE

0' 30' 60' 120'

ENVIRONMENTAL INVESTIGATION AND RELATED ENVIRONMENTAL CONSULTING SERVICES
NEW BEDFORD HIGH SCHOOL & SURROUNDING NEIGHBORHOOD
NEW BEDFORD, MASSACHUSETTS

NEW ANDRE McCOY FIELD

PROPOSED DIRECTIONAL DRILLING PATHWAY

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

FIGURE 1

DRAWN BY: HWB
CHECKED BY: JBS
DATE: DEC 2009

FILE: T:\E_CAD\115058\McCOY 12-09.dwg

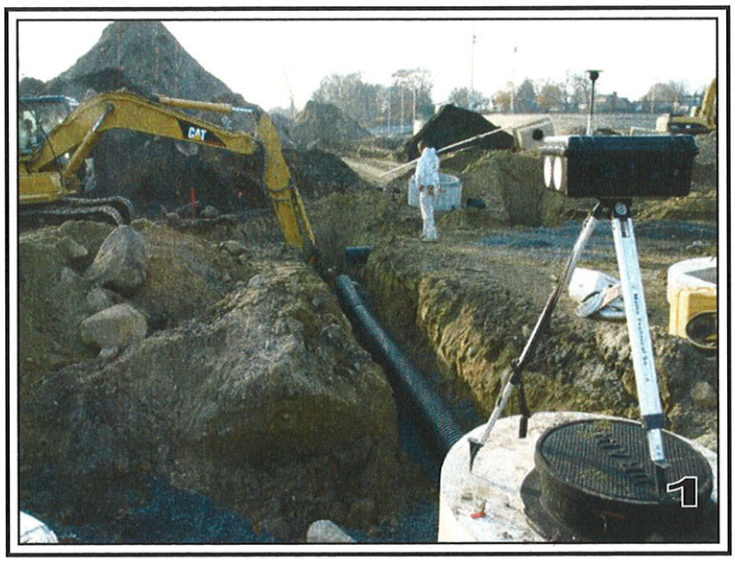
ATTACHMENT D

Photograph Log

PHOTOGRAPHIC REPORTING DATA SHEET

Client: City of New Bedford
Project: URAM
Type of Site: Future Athletic Complex
Location: 70 Hathaway Blvd, New Bedford, MA

Date Taken: November, 2009
Photographer(s): Allison Weiss
Name of Site: New Andre McCoy Field
Direction facing: West



Photograph 1: View of sewer line installation/dust monitoring on November 19, 2009.
Photograph 2: View of drain line installation on November 20, 2009.

PHOTOGRAPHIC REPORTING DATA SHEET

Client: City of New Bedford
Project: URAM
Type of Site: Future Athletic Complex
Location: 70 Hathaway Blvd, New Bedford, MA

Date Taken: December, 2009
Photographer(s): Charles Foster
Name of Site: New Andre McCoy Field
Direction facing: North

Photograph 3: View of ground surface plating of staging area at the New Bedford High School Campus.
Photograph 4: View of the staging area, plating and roll-off staging. The paved sidewalk was gated and acts as the only access "road" into the staging area.

PHOTOGRAPHIC REPORTING DATA SHEET

Client: City of New Bedford
Project: URAM
Type of Site: Future Athletic Complex
Location: 70 Hathaway Blvd, New Bedford, MA

Date Taken: December, 2009
Photographer(s): Charles Foster
Name of Site: New Andre McCoy Field
Direction facing: North

Photograph 5: View of the horizontal directional drilling rig setup within the staging area/work area.
Photograph 6: View of the drill bit used during horizontal directional drilling of the 4-inch pilot hole.

PHOTOGRAPHIC REPORTING DATA SHEET

Client: City of New Bedford
Project: URAM
Type of Site: Future Athletic Complex
Location: 70 Hathaway Blvd, New Bedford, MA

Date Taken: December, 2009
Photographer(s): Charles Foster
Name of Site: New Andre McCoy Field
Direction facing: Northeast & East

Photograph 7: View of drill rig, support truck and vactor rig collecting slurry/soil mixture during reaming/pipe threading activities.
Photograph 8: Excavation within Hathaway Boulevard for connection to the existing City infrastructure.

PHOTOGRAPHIC REPORTING DATA SHEET

Client: City of New Bedford
Project: URAM
Type of Site: Future Athletic Complex
Location: 70 Hathaway Blvd, New Bedford, MA

Date Taken: January, 2010
Photographer(s): Charles Foster
Name of Site: New Andre McCoy Field
Direction facing: Southwest & South

Photograph 9: Threading of force main into Hathaway Boulevard entry/exit point excavation.
Photograph 10: View of rig drilling pilot hole from staging area entry/exit point excavation south across Parker Street to Walsh Field.

PHOTOGRAPHIC REPORTING DATA SHEET

Client: City of New Bedford
Project: URAM
Type of Site: Future Athletic Complex
Location: 70 Hathaway Blvd, New Bedford, MA

Date Taken: January, 2010
Photographer(s): Charles Foster
Name of Site: New Andre McCoy Field
Direction facing: Southeast & North

Photograph 11: View of dust monitoring within staging area/work area.
Photograph 12: View of entry/exit point excavation within Walsh Field and drill bit for pilot hole from staging area.

PHOTOGRAPHIC REPORTING DATA SHEET

Client: City of New Bedford
Project: URAM
Type of Site: Future Athletic Complex
Location: 70 Hathaway Blvd, New Bedford, MA

Date Taken: January, 2010
Photographer(s): Charles Foster
Name of Site: New Andre McCoy Field
Direction facing: Southeast & South

Photograph 13: View of staged force main pipe within Walsh Field.
Photograph 14: View of threaded pipe and pilot hole bisecting Hunter Street within Walsh Field entry/exit point excavation.

ATTACHMENT E

Dust Monitoring Data and Field Logs

(Dust Monitoring Data Included on Disk)

Daily Field Log - Dust Monitoring

Project: City of New Bedford (115058.0000) Date: 11/19/09

Weather: 45° Some clouds, slight NE → SW wind Page:

Location	Unit ID	Time	Average	Minimum	Maximum	Comments
UPWIND	85200311	start: 0735	0.005			
~~NEAR PROPERTY~~ (on site)	85200728	start: 0725	0.002			No stats
DOWN WIND	85200391	start: 0740	0.004			
UPWIND		0800	0.003	0.002	0.014	
NEAR PROPERTY			0.003	0.010	0.003	
DOWN WIND			0.006	0.004	0.011	
UPWIND		0900	0.003	0.002	0.014	
NEAR PROPERTY			0.003	0.002	0.109	
DOWN WIND			0.005	0.002	0.035	
UPWIND		1005	0.002	0.002	0.014	
NEAR PROPERTY						
DOWN WIND						
UPWIND		1105	0.002	0.002	0.014	
NEAR PROPERTY		1105	0.002	0.000	0.109	
DOWN WIND		1115	0.003	0.001	0.035	
UPWIND	85200391	1255	0.002			Test 2 Start / No stats
NEAR PROPERTY			0.002	0.000	0.109	
DOWN WIND	85200311		0.002			Test 2 Start / No stats
UPWIND						
NEAR PROPERTY						
DOWN WIND						
UPWIND						
NEAR PROPERTY						
DOWN WIND						
UPWIND						
NEAR PROPERTY						
DOWN WIND						
UPWIND						
NEAR PROPERTY						
DOWN WIND						
UPWIND		stop: 1330	0.001	0.001	0.010	
NEAR PROPERTY		stop:	0.002	0.000	0.109	
DOWN WIND		stop:				

NOTES: *all units mg/m³

Daily Field Log - Dust Monitoring

Project: City of New Bedford (115058.0000) Date: 11/20/09

Weather: Cloudy, gray, raining Page:

Surveys - N Breez ~100°

Location	Unit ID	Time	Average	Minimum	Maximum	Comments
UPWIND	85200311	start: 0710	0.002			NO STATS
~~NEAR PROPERTY~~	85200728	start: 0715	0.006			
DOWN WIND	85200391	start: 0720	0.000			
UPWIND		0950	0.002	0.001	0.003	
NEAR PROPERTY			0.001	-0.002	0.006	
DOWN WIND			0.000	0.000	0.000	
UPWIND		1050	0.002	0.001	0.003	
NEAR PROPERTY			0.000	-0.002	0.006	
DOWN WIND			0.000	0.000	0.000	
UPWIND		~~1172001220~~	0.002	0.001	0.003	
NEAR PROPERTY		1202	0.000	0.002	0.006	
DOWN WIND		1200	0.000	0.000	0.000	
UPWIND						
NEAR PROPERTY						
DOWN WIND						
UPWIND						
NEAR PROPERTY						
DOWN WIND						
UPWIND						
NEAR PROPERTY						
DOWN WIND						
UPWIND						
NEAR PROPERTY						
DOWN WIND						
UPWIND						
NEAR PROPERTY						
DOWN WIND						
UPWIND						
NEAR PROPERTY						
DOWN WIND						
UPWIND		stop:				
NEAR PROPERTY		stop:				
DOWN WIND		stop:				

NOTES: * All units mg/m3

onsite

McCoy Field Daily Construction/Excavation Monitoring Summary

Date: 12/30/09

Weather: 14° cold, 20 mph NW wind. Clear

Activity: Horizontal Drilling - minor excavation

CF

Location	Unit ID	Time	Average	Minimum	Maximum	Comments
UPWIND	~~852 00879~~	start 1157	~~0.004~~	~~0.002~~	~~0.~~	
ON SITE	852 00391	start 1203		All Start-up		
DOWN WIND	852 00728	start 1211				
UPWIND	SAA	1355	0.004	0.002	0.013	ET = 1.58
ON SITE	↑	1358	0.001	0.000	0.022	ET = 1.56
DOWN WIND	↓	1401	0.001	0.000	0.011	ET = 1.49
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						
UPWIND		stop 1515	0.004	0.002	0.013	ET 3.18
ON SITE		stop 1522	0.001	0.000	0.22	ET 3.25
DOWN WIND		stop 1534				Statistics unavailable? 1534 unit found off.

NOTES

508-616-6954

Sarah Noecker

McCoy Field Daily Construction/Excavation Monitoring Summary

Date: 12/3/109

Weather: Overcast 25° wind is light NE at start, Snow expected later today

Activity: Horizontal Drilling - Initiated at 1120 am Heavy Snow

Location	Unit ID	Time	Average	Minimum	Maximum	Comments
UPWIND	85200879	start 0819				Battery Sw 85% . loose wire
ON SITE	85200391	start 0811	NA	→		
DOWN WIND	85200728	start 0759	NA	→		
UPWIND	SAA	1150 NA	Available			Note: Drilling Begun 1120
ON SITE	↓	1153	0.003	0.002	0.007	Unit Sw 0% Battery off ET = 3:43
DOWN WIND	✓	1155	0.003	0.002	0.006	ET = 3:44
UPWIND						
ON SITE	Stop	1357	0.003	0.002	0.019	ET 5:47
DOWN WIND	Stop	1351	~~0.003~~ 0.003	0.002	0.060	ET 5:51
UPWIND						
ON SITE						
DOWN WIND						
UPWIND		stop				
ON SITE		stop				
DOWN WIND		stop				

NOTES

McCoy Field Daily Construction/Excavation Monitoring Summary

Date: 01/05/09

Weather: Overcast 25° NNW wind. Overall light.

Activity: Open up Hatteras at Manhole. Locate Bit, Power Broom Street.

Location	Unit ID	Time	Average	Minimum	Maximum	Comments
UPWIND	85200879	start 0804				
				MA Start		
ON SITE	85200391	start 0811				move out to East side of St after ~30 mins
				Up		
DOWN WIND	85200728	start 0813				
UPWIND		0928	0.012	0.008	0.163	ET = 1.25
	SAA					
ON SITE	↑	0930	0.005	0.001	0.190	ET = 1.20
DOWN WIND	↓	0932	0.004	0.001	0.271	ET = 1.19
UPWIND	↑	1035	0.011	0.007	0.163	ET = 2:39
ON SITE	SAA	1042	0.003	0.001	0.190	ET = 2.33
DOWN WIND	↓	1044	0.002	0.001	0.271	ET = 2:31
UPWIND	↑	1153	0.010	0.007	0.163	ET = 3:51
ON SITE	SAA	1155	0.003	0.001	0.190	ET = 3:46
DOWN WIND		1156	0.002	0.001	0.271	ET = 3:44
UPWIND	↑	stop 1235	0.010	0.006	0.163	ET = 4.32
ON SITE	SAA	stop 1239	0.003	0.001	0.190	ET = 4:29
DOWN WIND	↓	stop 1245	0.002	0.001	0.271	ET = 4:32

NOTES SAA = SAME AS ABOVE

McCoy Field Daily Construction/Excavation Monitoring Summary
Date: 01/07/10
Weather: 25° West
Activity: Ream + Pull 8" pipe Horizontally, vactor material in Hathaway.

Location	Unit ID	Time	Average	Minimum	Maximum	Comments
UPWIND	85290874	start 0933				
ON SITE	85200391	start 0925		N/A		
DOWN WIND	85200728	start 0913		Start W		
UPWIND	↑	1143	0.005	0.000	0.042	ET = 2:12
ON SITE	SAA	1146	0.001	0.000	0.138	ET = 2:23
DOWN WIND	↓	1148	0.001	0.000	0.004	ET = 2:34
UPWIND	↑	1302	0.005	0.000	0.042	ET = 3:30
ON SITE	SAA	1304	0.001	0.000	0.138	ET = 3:41
DOWN WIND	↓	1306	0.001	0.000	0.004	ET = 3:52
UPWIND	↑	1415	0.004	0.000	0.042	ET = 4.43
ON SITE	SAA	1417	0.000	0.000	0.138	ET = 4:54
DOWN WIND	↓		0.001	0.000	0.004	ET = 5:05
UPWIND	↑	stop 1620	0.004	0.000	0.042	ET = 6:49
ON SITE	SAA	stop 1624	0.000	0.000	0.138	ET = 7.00
DOWN WIND	↓	stop 1615	0.001	0.000	0.006	ET = 7:02

NOTES SAA = Same As Above

McCoy Field Daily Construction/Excavation Monitoring Summary

Date: 01/08/10

Weather: Light Snow 25° am, NW Breeze. Variable North Easter

Activity: Work in Staging area moving Plates, Horizontal Bore South Along Hunter w/ Starting test pit

Location	Unit ID	Time	Average	Minimum	Maximum	Comments
UPWIND	85200879	start 0908				Placed N of Lagoon Cell
ON SITE	85200391	start 0918		not Start-up		Placed in Lagoon Cell
DOWN WIND	85200728	start 0901				Placed Corner of Hunter + Parker
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						
UPWIND		stop 1311	0.012	0.008	0.411	ET: 4:06
ON SITE	SAT	stop 1325	0.002	0.001	0.221	ET: 4:12
DOWN WIND		stop 1317	0.002	0.001	0.083	ET: 4:16

NOTES Plate Moving + Utility confirmation, 1 shallow pit, Minimal opportunity for monitoring statistics.

McCoy Field Daily Construction/Excavation Monitoring Summary

Date: 01/11/10

Weather: 17° am clear W NW wind up to 10-15 mph

Activity: Horizontal Boring Laydown Yard South along Hunter St

Location	Unit ID	Time	Average	Minimum	Maximum	Comments
UPWIND	5020879	start 0952				
ON SITE	85200591	start 1001	NA	Start-up Units		
DOWN WIND	85200728	start 1004				Possibly need clock synced will do so at Download
UPWIND	↑	1120	0.022	0.017	0.032	ET 1:28
ON SITE	SAA	1122	0.070	0.051	0.254	ET 1:23
DOWN WIND	↓	1124	0.002	0.002	0.007	ET 1:19
UPWIND	↑	1306	0.022	0.017	0.037	ET 3:15
ON SITE	SAA	1308	0.067	0.051	0.254	ET 3:10
DOWN WIND	↓	1310	0.002	0.002	0.007	ET 3:05
UPWIND		1500	not	Available		Unit knocked over + off while I was out walk field
ON SITE		1507	0.066	0.050	0.254	Restart Logging at 1504 Unit? - Test 2! → ET = 5:09
DOWN WIND		1510	0.002	0.002	0.007	ET = 5:05
UPWIND		stop 1522	0.023	0.019	0.030	ET 18:30? will await Data Dump
ON SITE		stop 1519	0.066	0.050	0.254	ET: 5:21 - Stop
DOWN WIND		stop 1515	0.002	0.002	0.007	ET: 5:12 - Stop

NOTES Readings in mg/m³

McCoy Field Daily Construction/Excavation Monitoring Summary

Date: 01/12/10

Weather: Cloudy, 25° am 30° pm NW wind 10-15 mph

Activity: Test pit + Back Drill 8" pipe north to Longhorn Area Northwest

Location	Unit ID	Time	Average	Minimum	Maximum	Comments
UPWIND	85200379	start 0805	NA	Start	UP	Placed out NE Corner
ON SITE	85200391	start 0818	Test 20840 - Re Ca		Zero	All Connections. See Logbook Details
DOWN WIND	85200725	start 0824				Downwind NE Area
UPWIND	↑	~~1029~~ 1030	0.028	0.012	0.376	ET 2:27
ON SITE	SAA	1032	0.104	0.076	0.411	ET 1:92
DOWN WIND	↓	1034	0.003	0.002	0.007	ET 2:04
UPWIND	↑	1254	0.026	0.017	0.376	ET 4.52
ON SITE	SAA	1257	0.095	0.062	6.73	— unit not functioning ET 4:18 Discharge Hose
DOWN WIND	↓	1259	0.003	0.002	0.007	ET. 4:30
UPWIND	SAA	1428	0.025	0.017	0.326	ET 6:25
ON SITE	85200536	1421 Start up	NA	Start up		Zero Check + Flow 1.7
DOWN WIND	SAAA	1431	0.002	0.002	0.007	ET 6:02
UPWIND	SAA	stop 1459	0.025	0.017	0.376	ET 6:56 Stop
ON SITE	85200536	stop 1516	0.028	0.022	0.089	ET 54:00
DOWN WIND	~~1506~~ SAA	stop 1506	0.002	0.002	0.007	ET = 6.37

NOTES Containment filter deployed for today due to work zone malfunction

McCoy Field Daily Construction/Excavation Monitoring Summary

Date: 01/13/10

Weather: Clear 17° W N W wind 10-15

Activity: Horizontal Drilling From McCoy to Walsh, Fusing + Clean out activity Laydown Grad + Walsh

Location	Unit ID	Time	Average	Minimum	Maximum	Comments
UPWIND	85200579	start 0943	Start up			They move to fusing/clean out
ON SITE	85200536	start 1014	Start up			will Be at McCoy at Entry Point excavation
DOWN WIND	85200728	start 1004	Start up			will Remain Down Wind at all operations
UPWIND	↑	1132	0.007	0.004	0.279	ET 1:51 work #2 Move To Clean out
ON SITE	SAA	1157	0.015	0.004	0.123	ET 1:42
DOWN WIND	↓	1202	0.001	0.000	0.007	ET 1.58
UPWIND	↑	1459	0.007	0.003	0.279	ET = 5:17 Move to Walsh
ON SITE	SAA	1505	0.014	0.003	0.169	ET : 4:54
DOWN WIND	↓	1503	0.000	0.000	0.012	ET 5:00
UPWIND						
ON SITE						
DOWN WIND						
UPWIND	↑	stop 1648	0.008	0.003	2.22	work #2 at walsh ET 7.06
ON SITE	SAA	stop 1630	0.013	0.002	0.169	ET 6:19 Stop
DOWN WIND	↓	stop 1640	0.000	0.000	0.012	ET = 6.36 Stop

NOTES: Noted a few Ambient Dust Clouds NOT by Our work Zones - Ambient Windy Day!

McCoy Field Daily Construction/Excavation Monitoring Summary

Date: 01/14/10

Weather: Clear, 20° am 30° pm Light North/NE Breeze

Activity: Fuse Pipe + Backfill out Walsh Then fuse Pipe + Backfill in NBIIS Longbourn Area

Location	Unit ID	Time	Average	Minimum	Maximum	Comments
UPWIND	85200870	start 1004	Start up			At Walsh upwind, will move to Longbourn later
ON SITE	85200336	start 0952	Start up			At Walsh By Fusing location
DOWN WIND	85200728	start 0954	Start up			Down wind along fence line
UPWIND	↑	1105	0.014	-0.043?	0.144	ET 1:00
ON SITE	SAA	1103	0.006	0.012	0.406	ET 1:15
DOWN WIND	↓	1109	0.001	0.001	0.022	ET 1:15 Wind is Light NE
UPWIND	↑	1324	0.009	-0.43	0.144	ET 3:18 - Light South Wind makes it Downwind.
ON SITE	SAA	1327	0.015	0.001	0.406	ET 3:35 Wind South Moves to NW
DOWN WIND	↓	1329	0.001	0.000	0.022	This is now upwind. ET 3:35
UPWIND						
ON SITE						
DOWN WIND						
UPWIND	↑	stop 1454	0.009	-0.043	0.144	ET 4:48
ON SITE	SAA	stop 1448	0.014	0.001	0.406	ET 4:56
DOWN WIND	↓	stop 1442	0.001	0.000	0.049	Nowindwind, ET 4:49

NOTES No subsurface Activity, Some Stone moved w/ visible Dust