Superfund Records Center
SITE: New Bedford
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OTHER: 529001

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APEX

October 23, 2012

Ms. Ann Williams
US EPA – Region 1
5 Post Office Square, Suite 100
Boston, MA 02109

Re: Special Use Permits# 10-004, 10-005, 10-006
USEPA Regulatory Review Report

Project Name: ***New Bedford Harbor State Enhanced Remedy in New Bedford South Terminal, a/k/a Confined Disposal Facility, a/k/a South Terminal Marine Industrial Park Development, a/k/a New Bedford Marine Commerce Terminal, New Bedford, MA. (Project).***

Dear Ms. Williams:

At the request of the U.S. Environmental Protection Agency (USEPA), and on behalf of the Commonwealth of Massachusetts, Apex Companies, LLC is providing (as a follow-up to previous submittals) the enclosed copy of the Final Mitigation Plan associated with the New Bedford Harbor State Enhanced Remedy (a/k/a Confined Disposal Facility, a/k/a South Terminal Marine Industrial Park Development, a/k/a New Bedford Marine Commerce Terminal), located in New Bedford, Massachusetts.

If you have questions regarding this correspondence, please contact Mr. Gary Davis, Esq. at the Massachusetts Executive Office of Energy and Environmental Affairs at (617) 626-4983.

Sincerely,
Apex Companies, LLC

Gregory F. Harper, MA, RPA
Cultural Resource Specialist

SDMS DocID 529001

Attachments: Attachment A – Final Mitigation Plan

Electronic Copy to: 1.) Ms. Bettina Washington, Wampanoag Tribe of Gayhead (Aquinnah), 20 Black Brook Road, Aquinnah, MA 02535-1546
2). Ms. Ramona Peters, Mashpee Wampanoag, 766 Falmouth Road #A7, Mashpee, MA 02649
3). Mr. Victor Mastone, Massachusetts Board of Underwater Archaeological Resources, 251 Causeway Street, Suite 800, Boston, MA 02114-2136
4). USEPA

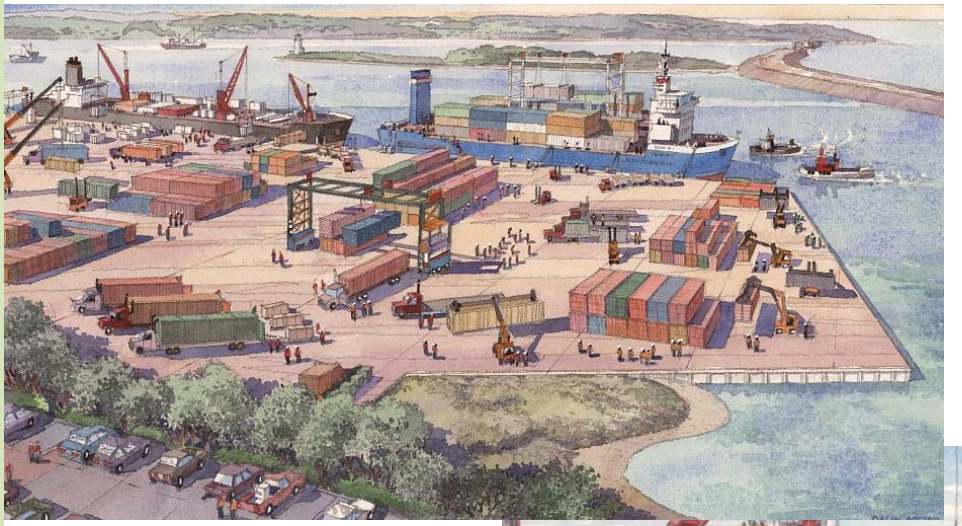
Hard Copy to: 1). Brona Simon, SHPO & Executive Director, Massachusetts Historical Commission, 220 Morrissey Boulevard Boston, Massachusetts 02125

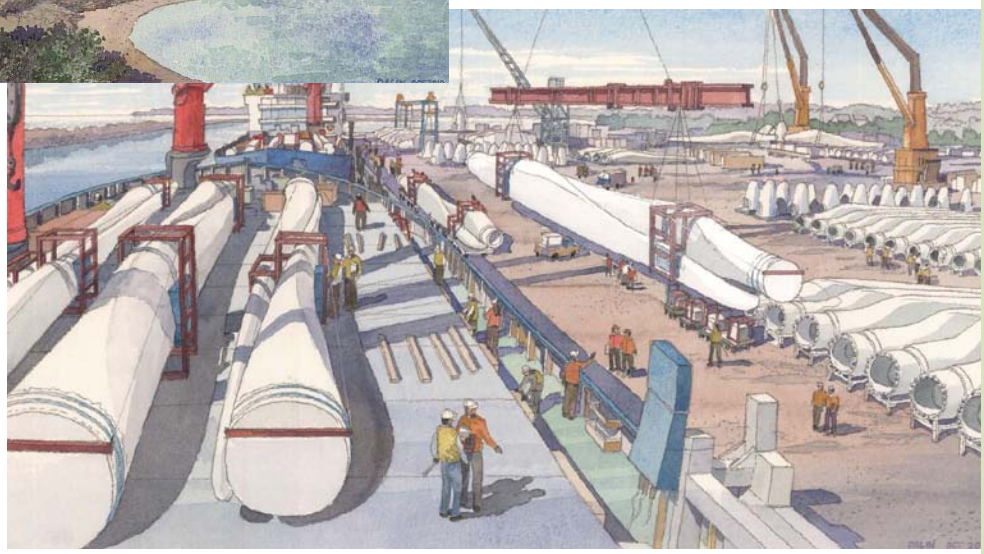
Cc of Cover Letter (No Attachments):

Gary Davis, Jr., General Council, Executive Office of Energy and Environmental Affairs
Chet Myers, Project Engineer, Apex Companies, LLC
Jay Borkland, Project Principal, Apex Companies, LLC

FINAL MITIGATION PLAN

New Bedford Marine Commerce Terminal (NBMCT)
New Bedford, Massachusetts





STATE ENHANCED REMEDY IN NEW BEDFORD, SOUTH TERMINAL

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION

OCTOBER, 2012

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1.0 Project Summary

The New Bedford Marine Commerce Terminal (see **Figure 1** for a site location plan) located at the South Terminal in New Bedford has been promulgated in order to develop a multi-purpose marine terminal, a primary purpose of which will be to provide critical infrastructure to serve offshore renewable energy facilities and accommodate international shipping at the new facility. The proposed facility will also be capable of supporting other industries within New Bedford, and will beneficially re-use sand from navigational dredging or the construction of confined aquatic disposal facilities to the extent approved by US EPA.

An assessment of the potential locations for supporting offshore renewable energy facilities and international shipping completed within the document entitled "State Enhanced Remedy in New Bedford, South Terminal", promulgated by the Commonwealth on January 18, 2012 has resulted in the conclusion that South Terminal in New Bedford, Massachusetts is the only practicable location due to a number of constraints, including: horizontal clearance, jack-up barge access, overhead clearance, total wharf and yard upland area, berthing space, site control/availability, and proximity. Due to the lack of other practicable alternatives, and the avoidance and minimization of impacts to resource areas to the maximum extent practicable, the South Terminal CDF is the Least Environmentally Damaging Practicable Alternative that will meet the primary Project Purpose.

The January 18, 2012 "State Enhanced Remedy in New Bedford, South Terminal" also included a conceptual mitigation plan. Since the date of that submission, the following documents have updated the available project information:

- The Commonwealth's June 18, 2012 responses to questions posed by EPA.
- The Commonwealth's June 26, 2012 responses to questions posed by EPA.
- The July 16, 2012 Draft Determination issued by EPA.

In addition to the submission or promulgation of the above-mentioned documents, a site inspection to confirm the field delineation of federal jurisdictional resource areas that had previously been described in the January 18, 2012 submission to EPA was conducted on September 13, 2012. As a result of the field inspection conducted by EPA, the final direct and indirect impacts to resource areas from the full project (see **Figure 2**) are anticipated from the construction of the New Bedford Marine commerce terminal are as follows:

Permanent Impacts

- **Areas of Proposed Filling:**
    - 2.07 acres of intertidal area.
    - 4.06 acres of shallow, near-shore sub-tidal area;
    - 0.11 acres of salt marsh will be filled during the construction of the facility;
    - 0.106 acres of freshwater wetlands will be filled during the construction of the facility; and

- 0.67 acres of area that will be dredged, partially filled with a concrete blanket along the bottom as well as piles needed to support the pile-supported section of the quay, and shaded by the concrete platform.

- **Areas of Dredging (Existing Depth Between -1 and -6 MLLW):**
  - 7.02 acres of near-shore, subtidal area will be dredged from between -1 and -6 MLLW to between -30 and -32 MLLW (Deep-Draft Boat Basin Area and Channel).
  - 8.46 acres of near-shore, subtidal area will be dredged from -1 MLLW to -6 MLLW to -14 MLLW (Shallow-Draft Boat Basin Area and Tug Channel).

- **Shellfish Impacts**
  - Based upon the revised area of impact as described above, the number of shellfish anticipated to be impacted has been revised. The total shellfish anticipated to be impacted by the project is: 9,817,121.

Temporary Impacts

- **Areas of Dredging (Existing Depth Between -1 and -6 MLLW):**
  - 8.76 acres of near-shore, subtidal area will be dredged to -45 MLLW, filled and capped (CAD Cell #3).
  - 6.17 acres of near-shore, subtidal area will be dredged from -4 to -6 MLLW to between -6 and -7 MLLW (Mooring Mitigation and Gifford Channel Relocation).
- **Areas of Dredging (Existing Depth between -20 and -30 MLLW):**
  - 8.29 acres of subtidal area will be dredged from -20 to -29 MLLW to -30 MLLW (Dredging within Existing South Terminal Area).
  - 13.26 acres of subtidal area will be dredged to -30 MLLW (Federal Channel).

2.0 Objectives

The objectives of this Mitigation Plan are to provide functions and values to compensate for the impacts associated with the New Bedford Marine Commerce Terminal project. The scope of the project was described within the January 18, 2012 submittal by the Commonwealth to USEPA, as well as several supplemental submittals and the Draft Determination issued by EPA on July 18, 2012. The mitigation proposed by the Commonwealth to compensate for the resource area impacts associated with the project are as follows:

To compensate for environmental impacts associated with the above-listed changes, the Commonwealth proposes complete the following mitigation for the project as follows:

- Construction of a 22.73 acre Winter Flounder Mitigation Area (see **Appendix 1** for construction plans)**.**
- Capping of an area within the OU-3 Hot-Spot (see **Appendix 1** for construction plans), located outside of the New Bedford Hurricane Barrier, such that:

    - A 4.47 acre intertidal area will be enhanced created immediately adjacent to the outside of the New Bedford Hurricane Barrier via capping of PCB impacted sediment; and
    - A 14.91 acre sub-tidal area will be enhanced via capping of PCB impacted sediment.
- Restoration of 0.88 acres of salt marsh along the Acushnet River, north of the Wood Street Bridge at a location called "River's End Park" (see **Appendix 2**).
- Completion of a Tern Monitoring Program.
- Shellfish mitigation consisting of seeding approximately 24 million shellfish seed (however, the actual number will be proportionate to the final impact as determined via the final dredging area) within waters of the City of New Bedford.
- Institution of a Fish Deterrent Plan and monitoring of project areas in order to minimize temporary impacts to Winter Flounder spawning, as well as temporary impact to other marine resources.

This mitigation is anticipated to compensate for the lost or compromised functions and values of the impacted resources as follows:

Intertidal Area Impacts

Functions and values associated with the intertidal area that will be lost when 2.07 acres of intertidal area are filled in association with the project will be compensated by creation of approximately 4.47 acres of intertidal area immediately outside of the New Bedford Hurricane Barrier in association with the OU-3 Hot-Spot Capping. The new intertidal area is assumed to have the same functions and values as the existing intertidal area at the project location, such that the creation of the mitigation area is anticipated to be suitable to compensate for the functions and values lost at the impact area; however, the ratio for this work will be approximately 2.16, which is intended to compensate for any loss of function in the relocation of this resource area to outside of the New Bedford Hurricane Barrier. This area will also cap PCB impacted sediment, which is intended to partially compensate (in coordination capping of PCB impacted sediment associated with the remainder of the OU-3 Hot Spot capping and the Winter Flounder Mitigation Area capping) for the temporary resource area impacts (see below) that will be incurred in association with this project. The capping will also result in the enhancement of tern foraging habitat (in this case, periodically shallow locations subject to plunge-diving) by capping PCB impacted sediment that is the habitat of one of the primary prey creatures of terns, the sand lance.

Sub-tidal Area Impacts That Are Anticipated to Permanently Impact Winter Flounder Spawning Habitat

Permanent sub-tidal impacts are divided between impacts that are anticipated to permanently impact Winter Flounder spawning and impacts that are not anticipated to permanently impact winter flounder habitat (temporary impacts to Winter Flounder spawning are independent, and are minimized to the extent practicable via the Fish Deterrent Plan, silt curtain use and turbidity monitoring). Approximately 4.06 acres of near-shore sub-tidal area is anticipated to be filled, 0.67 acres of area will be dredged, partially filled with a concrete blanket along the bottom as well as piles needed to support the pile-supported section of the quay, and shaded by the concrete

platform, and 7.02 acres of near-shore, sub-tidal area will be dredged from between -1 and -6 MLLW to between -30 and -32 MLLW. These impacts will permanently impact Winter Flounder spawning habitat. A total of 11.75 acres of area that presently serve as Winter Flounder spawning habitat will be impacted via either filling or dredging to a depth deeper than the commonly understood depth at which Winter Flounder are known to spawn.

To compensate for the impacts to Winter Flounders spawning habitat, approximately 22.73 acres of sub-tidal area impacted by PCBs will be enhanced via capping and will also be increased in elevation from deeper than -16.5 MLLW (deeper than Winter Flounder are known to spawn) to an elevation of -16 MLLW or shallower (an elevation at which Winter Flounder are known to spawn). The 22.73 acres of mitigation area is intended to replace the functions and values lost from the areas of impact (which will lose Winter Flounder spawning as a function and value). The mitigation ratio for this work will be approximately 1.93 acres enhanced for each 1 acre impacted.

The Winter Flounder mitigation area will also cap PCB impacted sediment. The capping of PCB impacted sediment is also intended to partially compensate (in coordination with the capping of PCB impacted sediment associated with the OU-3 Hot Spot mitigation area) for the temporary resource area impacts (see below) that will be incurred in association with this project.

Subtidal Area Impacts That Are Not Anticipated to Permanantly Impact Winter Flounder Spawning Habitat

Permanent subtidal impacts are divided between impacts that are anticipated to permanently impact Winter Flounder spawning and impacts that are not anticipated to permanently impact winter flounder spawning habitat (temporary impacts to Winter Flounder spawning are independent, and are minimized to the extent practicable via the Fish Deterrent Plan, silt curtain use and turbidity monitoring).. Approximately 8.46 acres will be dredged from -1 MLLW to -6 MLLW to -14 MLLW, which is not anticipated to permanently impact Winter Flounder spawning. To compensate for the temporary impacts to the subtidal areas being dredged, approximately 14.91 acres of subtidal area impacted by PCBs will be enhanced via capping. It is anticipated that the functions and values of the 8.46 acres within the impact area will have some permanent impact, but will retain much of their existing functions and values. The 14.91 acres of enhancement mitigation areas is similar in nature to the 8.46 area of impact, such that enhancement of the mitigation area is anticipated to be suitable to compensate for the losses at the impact area. The capping will also result in the enhancement of tern foraging habitat (shallow locations subject to plunge-diving) by capping PCB impacted sediment that is the habitat of one of the primary prey creatures of terns, the sand lance. The ratio for this mitigation work will be approximately 1.76 acres of enhancement for each acre of impacted flounder habitat; however, this work is also intended to partially compensate (in coordination capping of PCB impacted sediment associated with the remainder of the OU-3 Hot Spot capping and the Winter Flounder Mitigation Area capping) for the temporary resource area impacts (see below) that will be incurred in association with this project.

Temporary Dredging Impacts

Permanent subtidal impacts are divided between impacts that are anticipated to permanently impact Winter Flounder spawning and impacts that are not anticipated to permanently impact Winter Flounder spawning habitat. These impacts will typically result in a short-term disturbance that will create temporary impacts (such as temporary benthic disturbances), but will not substantially change the benthic elevation, and whose benthic environments are anticipated to recover relatively quickly through re-colonization. The temporary impacts will involve removal of at least one foot of surficial material from a dredge area; as this material within New Bedford Harbor is universally impacted with PCBs, it is anticipated that the temporary impacts will be substantially offset by the ecological benefits of removal of PCB impacted sediment from these areas.

The temporary impacts include dredging of 8.76 acres of near-shore, subtidal area to -45 MLLW, filling the area with contaminated sediment and then capping with clean sediment, the dredging of 6.17 acres of near-shore, subtidal area from -4 to -6 MLLW to between -6 and -7 MLLW, dredging of 8.29 acres of subtidal area from between -20 and -29 MLLW to -30 MLLW, and the dredging of 13.26 acres of subtidal area from between -26 and -29 MLLW to -30 MLLW. It is currently anticipated that the impacts associated with this dredging will generally be temporary, and will have a positive benefit in that the PCB contaminated sediment that currently impacts these areas will be removed. Nevertheless, as outlined within the previous sections, portions of the mitigation associated with (the capping of PCB impacted sediment associated with the OU-3 Hot Spot capping and the Winter Flounder Mitigation Area capping) are intended to also mitigate for the temporary dredging impacts.

Salt Marsh and Freshwater Wetland Area Impacts

Functions and values associated with the 0.11 acres of salt marsh and 0.106 acres of freshwater wetlands that will be lost when they are filled in association with the project will be compensated by creation of approximately 0.88 acres of salt marsh to be created at the Rivers End Park Mitigation Site, located on the Acushnet River, to the north of the Wood Street Bridge in New Bedford, Massachusetts (to the north of the impact area). The new salt marsh is hoped to have equal functions and values as the existing salt marsh area. As the existing freshwater wetland is significantly degraded due to the immediate presence of demolition debris below it, and the presence of impacts to soils from PCBs, metals, and PAHs either within the wetland or immediately surrounding it, it is also hoped that the created salt marsh at the Rivers End Park Mitigation Site will have equal or better functions and values than the existing freshwater wetland onsite. The creation of the mitigation area is anticipated to be suitable to compensate for the functions and values lost at the impact area; however, the ratio for this work will be between 4.07, which is intended to compensate for any difference from potential indirect impacts to remaining salt marsh located adjacent to the facility.

Shellfish Mitigation

Functions and values associated with the shellfish that will be impacted in association with the filling and dredging associated with the project (anticipated to impact approximately 9,817,121

shellfish, assuming that the full project is completed) will be mitigated for with the seeding of approximately 24,542,802 million shellfish seed, which is proposed assuming a 40% survival rate due to predation. A portion of the shellfish will be seeded as oyster seed (up to 20%) within a proposed "oyster reef" that will be designed under the guidance of EPA, NMFS and MassDMF. The actual number of shellfish to be seeded will depend strongly on the extent of the area that is ultimately impacted. Should the area of impact be reduced, the number of shellfish to be seeded will be reduced in proportion to the estimated number of shellfish within the area that is subsequently not impacted (see **Appendix 3** for the estimated number of shellfish within each proposed area of impact). The number of shellfish, the apportionment of species, and the design of the "oyster reef" will be in accordance with the Commonwealth's October 4, 2012 letter to EPA titled "Response to National Oceanic and Atmospheric Administration – National Marine Fisheries Service, Northeast Region Comments on the Draft Determination for the Proposed South Terminal Project, New Bedford, Massachusetts" (see **Appendix 4**). It is anticipated that the functions and values lost through the impacts incurred by this project will be compensated through the proposed seeding program.

Tern Monitoring Program.
Although it is currently anticipated that impacts to Common Tern and Roseate Tern foraging or habitat will be extremely minor if they exist at all, elements of the proposed project mitigation related to creation of intertidal and shallow water subtidal habitat, in conjunction with the capping of PCB impacted sediment within the OU-3 Hot Spot mitigation area, are intended to compensate for the anticipated minor impacts to tern foraging habitat that may occur. As a result, the proposed Tern Monitoring Program is mitigation that is above and beyond what would normally be required. It is currently anticipated that the Tern Monitoring Program, by providing additional information to federal and state-wide programs to protect both the Common and Roseate Tern, will assist in the protection of the two species.

Fish Deterrent Plan
As a part of minimizing the temporary impacts to finfish resources, during potential resource sensitive periods, a Fish Deterrent Plan (submitted under separate cover to EPA on October 17, 2012) will be implemented to discourage fish species from entering the work zone. The Fish Deterrent Plan details means and methods for; physical site controls to minimize access to the work area, monitoring of the physical controls and their efficacy, and active resource clearing techniques for safe removal of resources from the work area. There is no accepted mitigation ratio with which to assess the credit due for the Fish Deterrent Plan.

A Compensatory Mitigation Plan checklist is attached to this document as Appendix 14.

3.0 Site Selection

3.1 Impact Site: New Bedford Marine Commerce Terminal

South Terminal in New Bedford has been determined to be the only practicable location for siting of an offshore renewable energy support facility. This information was presented to USEPA within the January 18, 2012 submittal by the Commonwealth. Please reference this

document for the alternatives analysis prepared to support the siting of the terminal at this location.

3.2 Mitigation Sites

A number of potential mitigation alternatives were evaluated for compensation of lost resources and/or functions and values associated with the New Bedford Marine Commerce Terminal. A number of pre-screened mitigation projects were reviewed and evaluated. Additional projects that had either been suggested by representatives of the New Bedford Conservation Commission, EPA, National Marine Fisheries Services, the Massachusetts Division of Marine Fisheries, the Massachusetts Natural Heritage and Endangered Species Program, and/or the City of New Bedford, or had been separately conceptualized were also considered. A list of 20 potential mitigation projects were selected from the greater number of potential projects. Those 20 potential mitigation projects were screened to eliminate those projects which were impracticable for a number of potential reasons. The remaining sites were evaluated and a set of particular mitigation measures was developed into a full mitigation proposal.

3.2.1 Description of All Possibilities – Reference Information

Approximately 52 pre-screened potential mitigation alternatives were researched within the New Bedford Harbor Wetlands Restoration Plan, dated August 2002, prepared by the Massachusetts Wetlands Restoration Program. Review of the document did indicate several projects which restore similar resources to those in the proposed project area. Additionally, alternatives identified by project stakeholders and local officials were gathered. Other potential alternatives were prepared based upon the results of historic meetings conducted with the New Bedford Conservation Commission Agent as well as observations made at various time periods within New Bedford Harbor and the surrounding community. Many of the potential options were not selected since they were known to have been already undertaken since 2002, or were known to be on hold until the completion of the USEPA Superfund Remedy within Upper New Bedford Harbor. Still others were not selected due to the fact that they presented insurmountable logistical difficulties involved in complicated ownership arrangements and/or did not present opportunities to provide the functions and values that are needed for mitigation for the impacts anticipated from the Proposed South Terminal Extension CDF project. Finally, some options were not selected due to their distance from the source of impact.

3.2.2 Description of Top 20 Mitigation Projects

As stated within the last section, the many potential mitigation alternatives were not found to be viable for many potential reasons, including ownership issues, proximity to the location of impact, and a poor match of newly created functions and values with functions and values that are anticipated to be lost. The following ten alternatives were chosen for a more detailed evaluation:

- <u>Alternative 1 – Intertidal and/or salt marsh habitat construction between the Coggeshall Street and the Route 1-95 Bridges.</u> This alternative would remove PCB contaminated sediment between the two bridges. The removal of the PCB impacted sediment would allow for the construction of 250 linear feet/0.7 acres of salt marsh. The area is well

sheltered, although the two bridges act as a tidal restriction to the upper reaches of the harbor water movement in the area would allow for continued tidal flushing. The location of the site is ideal as there is no access to the site from the land side as the on ramp and off ramp to Route 1-95 limits access.

- Alternative 2 – Riverside Park Riparian Restoration.
  The Riverside Park is located on Bellville Ave adjacent to the upper harbor. The site has very interesting and distinct characteristics. The cove acts as a still water area for all types of biota. The shore line at the site meanders back and forth creating several peninsulas. The project could restore up to 2,400 linear feet/1.4 acres of marsh. There have been proposals to add a bike path/walking trail with educational interpretive signs at the site as well. Before work could begin at the site location, the USEPA remedy would need to be complete in this area.

- Alternative 3 – Capping of a portion of the OU-3 Hot Spot
  At a request from USEPA, the New Bedford Harbor Development Commission capped a portion of the OU-3 Hot Spot as part of Phase II of Navigational Dredging. The action helped to further the Superfund Remedy by capping PCB contaminated sediments which were distributed in the surficial soft sediments in the area surrounding a Hurricane Barrier stormwater discharge. The capping began in 2004; the material was placed over approximately 75% of the designated area for capping. Much of the area closest to the Hurricane Barrier remained uncapped due to limitations at the time of the placement method (please note that this area does not contain PCBs greater than 50 mg/kg, but capping such sediments would still constitute an enhancement of the existing resource areas). EPA has monitored the area that was capped in 2004, and has noted that the benthic environment has been robustly re-colonized, indicating that such capping presents only a short-term impact, while has much greater longer-term benefits to the benthos, and the surrounding sub-tidal areas. The proposed alternative would utilize clean sand from the CAD Cell to cap a portion of the OU-3 Hot Spot nearest to the Hurricane Barrier as well as to create intertidal area. The project would create an intertidal area that could serve as Essential Fish Habitat, shellfish habitat, avian wildlife foraging area, and Horseshoe Crab Habitat which would integrate into the existing capped area. The area would be relatively isolated from human contact as it would be immediately adjacent to the Hurricane Barrier.

- Alternative 4 – Beach Construction in Clarks Cove along Hurricane Barrier
  The alternative would construct a beach along the Hurricane Barrier in Clark's Cove. The proposal would be to create up to 800 linear feet/2 acres of intertidal area on the east side of Clarks Cove. This project is outside of the Superfund Site, and therefore would require conventional permits. The project would construct Coastal Beach where presently a riprap slope exists.

- Alternative 5 – Construction of Beach North of Pease Park, Fairhaven
  The alternative would remove PCB contaminated sediments from along a rip-rap slope and sheet pile wall north of Pease Park in Fairhaven. The material would be disposed of within a CAD Cell or CDF. Clean sand generated during CAD Cell construction would

be placed along the sheet pile wall and rip-rap slope creating approximately 400 linear feet/0.5 acres of intertidal area within the inner harbor.

- Alternative 6 – Beach, Salt Marsh, or Freshwater Wetland Construction at Crow Island
  The alternative would purchase Crow Island in New Bedford Harbor to construct a beach on a small sand bar/jetty on the south west side of Crow Island, or salt marsh or freshwater wetland areas on the main portion of the island. Crow Island is located immediately south of Pope's Island, and is privately owned.

- Alternative 7 – Marsh Island Saltwater Marsh Restoration
  Marsh Island is located in Fairhaven, north of Route 6, but south of Route 195, adjacent to the Riverside Cemetery. The site presently has a radio tower which broadcasts the signal for WBSM. The project would remove approximately 2 to 6 feet of fill from the north side of the island within the marsh at the site. The removal of the fill would eliminate tidal restrictions to approximately 5 acres of salt marsh area, restoring flow to the site. It is unclear; however, whether this project may either be underway or may be completed in the near future by other parties.

- Alternative 8 – Hurricane Barrier Stormwater Drainage Swale Rehabilitation and Restoration.
  The alternative would remove PCB contaminated sediment from an existing stormwater swale on the inland side of the Hurricane Barrier between Gifford Street and Cove Street. The restoration would include the removal of PCB contaminated sediment currently within the drainage swale, and addition of clean sand from the CAD Cell, raising the elevation of the submerged area to between 6 inches and 1 foot below high tide. A central drainage channel and branched drainage channels would run through the new material, allowing for stormwater drainage through the area to continue. The low areas would be planted with low marsh plants. Rip-rap running along the western side of the channel would be removed and the low area would be graded gradually up to the existing grade, to allow a salt marsh succession ending at the top of slope. The project would create or enhance approximately 2 acres of successional marsh habitat.

- Alternative 9 – Silver Beach Drive Salt Marsh Restoration
  The alternative would restore tidal flow to an approximately 50 acre area of Sconticut Neck in Fairhaven. The project would remove sand and gravel which build up with in the outlet structure to the marsh. The tidal restriction at the site impounds fresh water within the marsh system creating a mosquito control issue as well as causes a degradation of the saline environment. The project would explore a more permanent solution keeping the outlet structure free of foreign debris as well as sand and gravel which is deposited by tidal flushing. It is unclear; however, whether this project may either be underway or may be completed in the near future by other parties

- Alternative 10 – Round Hill Beach Highland Marsh Restoration
  The alternative would restore tidal flow to approximately 10 acres of highland marsh behind the Round Hill Barrier Beach in Dartmouth, MA. The project would remove 1 to 3 feet of fill from within a historic saltwater marsh. The restoration would establish

wetland grad, soils, hydrology and vegetation, as well as placement of an appropriate culvert or bridge under Ray Peck Rd. to provide full tidal flushing to the restored salt marsh.

- Alternative 11 – Rivers End Park Marsh Restoration
  The alternative would create an area of salt marsh at the River's End Park, located on the Acushnet River, north of the Wood Street Bridge in New Bedford, MA. It is unclear if the area was historic wetland, but the likelihood (with its proximity to the Acushnet River) is that it was. The project would remove fill to create an area of salt marsh. The restoration would establish wetland grade, soils, hydrology and vegetation to provide full tidal flushing to the restored salt marsh.

- Alternative 12 – Winter Flounder Mitigation Area
  This alternative was proposed by EPA and NMFS. The concept is to locate an area that is deeper than the known depth of Winter Flounder Spawning (typically understood to be areas shallower than -16 MLLW). The proposal would identify an area deeper than -16 MLLW, and shallow it to a depth of approximately -16.5 MLLW, to create Winter Flounder spawning habitat in the area.

- Alternative 13 – Buttonwood Park Wetland Restoration A
  Buttonwood Park Zoo in New Bedford has prepared a master plan (Buttonwood Zoo Master Plan) that encompasses a revision in the orientation of the park. One of the major components of this rehabilitation includes the addition of multiple wetland areas. The creation of freshwater wetlands at Buttonwood park has three potential orientations (due to the size of the facility, three different areas were considered for wetland creation/restoration). Orientation A anticipates that the existing pond at the northern limits of the zoo has land to the east and west that could be converted to wetlands mitigation area.

- Alternative 14 – Buttonwood Park Wetland Restoration B
  Buttonwood Park Zoo in New Bedford has prepared a master plan (Buttonwood Zoo Master Plan) that encompasses a revision in the orientation of the park. One of the major components of this rehabilitation includes the addition of multiple wetland areas. The creation of freshwater wetlands at Buttonwood park has three potential orientations (due to the size of the facility, three different areas were considered for wetland creation/restoration). Orientation B anticipates that the existing stream running through the zoo could be reconfigured to incorporate wetlands mitigation embankments.

- Alternative 15 – Buttonwood Park Wetland Restoration C
  Buttonwood Park Zoo in New Bedford has prepared a master plan (Buttonwood Zoo Master Plan) that encompasses a revision in the orientation of the park. One of the major components of this rehabilitation includes the addition of multiple wetland areas. The creation of freshwater wetlands at Buttonwood park has three potential orientations (due to the size of the facility, three different areas were considered for wetland creation/restoration). At the southwestern portion of the Buttonwood Zoo the existing stream is culvertized. This pipe could re-emerge and be reconfigured to incorporate an

extension of the stream into a new wetlands area. This location would coincide with some of the proposed wetlands in the (Buttonwood Zoo Master Plan).

- Alternative 16 – Wetland Restoration South of the New Bedford Airport
  The Massachusetts Department of Public Infrastructure (MA DPI) and the City of New Bedford manage and operate parcels of land that encompass New Bedford Regional Airport. A location immediately to the south of the existing New Bedford Airport currently serves as upland area immediately adjacent to existing freshwater wetlands in the area. The upland could be converted to freshwater wetland. Shallow groundwater at this site as well as the public ownership of the land make this option advantageous.

- Alternative 17 – Riverside Landing Restoration Area
  This alternative would create either freshwater or saltwater wetland mitigation at the "Riverside Landing" area, which is north of the Coggeshall Street Bridge, but south of Sawyer Street. This area is immediately adjacent to the Acushnet River to the east, with a new roadway to the west. Either the runoff from the roadway or tidal flows from the Acushnet River could be utilized to create hydraulic conditions in this location that could support freshwater or saltwater wetlands.

- Alternative 18 – Onsite Salt Marsh or Freshwater Marsh Mitigation
  This alternative would reserve land on the footprint of the New Bedford Marine Commerce Terminal to create wetland resources that would be impacted in association with the creation of the new facility.

- Alternative 19 – Shellfish Mitigation (Seeding or Relaying)
  Shellfish mitigation was conceptualized by the Massachusetts Division of Marine Fisheries. The mitigation could either include the relaying of shellfish out of the proposed potential area of impact, or could include seeding of shellfish to replace the shellfish that will be impacted as part of this project.

- Alternative 20 – Tern Monitoring Program
  Representatives from the Natural Heritage and Endangered Species program suggested the inclusion of a Tern Monitoring Program to evaluate the presence or absence of terns within New Bedford Harbor. Although existing evidence indicates that terns are not currently present within New Bedford Harbor, a more thorough monitoring program will help gather information regarding their patterns and habits in the area.

3.2.3 Initial Screening

An initial screening of the original 20 alternatives was completed based on a number of criteria that indicated whether the mitigation sites would be suitable. The initial screening eliminated the following alternatives:

- Alternative 18 – Onsite Salt Marsh or Freshwater Marsh Mitigation - As outlined within the alternatives analysis within the Commonwealth's January 18, 2012 submittal to EPA, the minimum area required for the new facility is approximately 28 acres. In order to

create mitigation onsite, some area that has previously been acquired and anticipated for inclusion within the new facility would need to be repurposed, and additional area would need to be acquired, or the resource areas created would need to be on the periphery of the newly created space, resulting in their likely being receptors for stormwater runoff from the active areas. Onsite salt marsh creation would not be possible due to the demands of harbor access required of the new facility (otherwise the impact to the existing salt marsh could be avoided). It is unlikely that upland freshwater wetlands would be suitable for mitigating for impacts to salt marsh; therefore, this option was not considered an ideal alternative, and was dropped from consideration.

- Alternative 4 – Beach Construction in Clarks Cove along Hurricane Barrier – This alternative was considered to be further away from the area of impact than other potential intertidal area construction projects. It was also anticipated that, since Clark's Cove is not as significantly impacted with PCBs in sediment as areas within New Bedford Harbor and within the OU-3 Hot Spot, that this alternative would likely not generate as much ecological benefit from capping, and therefore may be a more controversial alternative. As a result, it was dropped from consideration.

- Alternative 7 – Marsh Island Saltwater Marsh Restoration – It is the Commonwealth's understanding that the Marsh Island Saltwater Marsh Restoration area is currently being completed by a joint team including NOAA and several other agencies. As a result, this mitigation alternative is not available as an option, and was dropped from consideration.

- Alternative 9 – Silver Beach Drive Salt Marsh Restoration – This alternative was considered unsuitable because the restoration would be outside of the City of New Bedford, where the impacts will be created. It was assumed that residents of the City of New Bedford would request that the maximum possible mitigation be performed within the City limits and therefore be against this proposal, and it was dropped from further consideration.

- Alternative 10 – Round Hill Beach Highland Marsh Restoration - This alternative was considered unsuitable because the restoration would be outside of the City of New Bedford, where the impacts will be created. It was assumed that residents of the City of New Bedford would request that the maximum possible mitigation be performed within the City limits and therefore be against this proposal, and it was dropped from further consideration.

- Alternative 13 – Buttonwood Park Wetland Restoration A, Alternative 14 – Buttonwood Park Wetland Restoration B, Alternative 15 – Buttonwood Park Wetland Restoration C, and Alternative 16 – Wetland Restoration South of the New Bedford Airport - These alternatives proposed only freshwater wetland mitigation. As the project is anticipated to generate both salt marsh and freshwater impacts, sole freshwater mitigation projects do not appear to be appropriate to mitigate for the lost functions and values (whereas a larger salt marsh project may be sufficient to compensate for lost functions and values of both salt marsh and freshwater wetland areas). Additionally, EPA expressed strong opposition to Alternative 16.

- Alternative 17 – Riverside Landing Restoration Area – This area is located immediately adjacent to the section of the Acushnet River currently subject to the USEPA led Superfund cleanup. EPA has indicated that they would likely oppose work in the intertidal areas that had not yet been remediated. As a result, it would be difficult, if not impossible to create a viable salt marsh area at this location. Therefore, only a freshwater wetland would be available for creation, and, as the project is anticipated to generate both salt marsh and freshwater impacts, sole freshwater mitigation projects do not appear to be appropriate to mitigate for the lost functions and values.

- Alternative 19 – Shellfish Mitigation (Relaying) - Shellfish relaying was severely limited by EPA due to restrictions on relaying shellfish from Area 1 (areas north of the New Bedford Hurricane Barrier) to areas outside of Area 1. As a result, the Commonwealth had decided to focus on Shellfish Seeding for mitigation, and has dropped relaying from future consideration. The project area is in an area restricted to shellfish harvest due to bacterial contamination and is impacted with PCB contamination associated with the New Bedford Harbor Superfund site. Due to the PCB contamination, the EPA has determined that any relay must be conducted in the harbor, north of the hurricane barrier, to prevent spread of PCBs and prevent PCB-contaminated shellfish from entering the food supply (see the letter from EPA attached to Appendix 52 of the Commonwealth's January 18, 2012 submittal). The harbor area available for relaying (Area I) is in an area prohibited for shellfishing due to bacterial contamination. NSSP guidelines do not encourage planting in prohibited areas. Additionally, harvesting of shellfish for any reason from inside Area I (e.g. north of the hurricane barrier) would require a variance from MassDPH because their regulation, 105 CMR 260, prohibits any taking of shellfish in that area. Furthermore, due to a long period of prohibition of shellfish harvest and large areas of the harbor in actively managed dredged channels, the available suitable habitat area for shellfish is limited and likely already populated with adult shellfish.

- Relaying from Butler's Flat was determined to be cost-prohibitive due to the low density of quahogs there. Relaying from OU-3 was determined to be cost-prohibitive due to the size of the impact area and difficulty of accessing the area with efficient gear. Therefore, the preferred course of action for an efficient and effective mitigation strategy is to conduct mitigation solely by planting new shellfish and relay of shellfish was eliminated from consideration.

3.2.4 Ranking Matrix

Each of the potential mitigation options that passed the initial screening was evaluated using standardized criteria, selected in order to help prioritize logistical, engineering, cost, and environmental qualities of the alternatives. The criteria are grouped into the following categories: Effectiveness, Timeliness, Benefits, Ownership, Environmental Issues, Difficulty in Implementation, Size, Proximity to Area of Impact, and Cost. Each of the categories has been given equal weighting in order to compare the desirability of each alternative. The resulting formula assigns a score for each construction alternative based on the following formula where

an alternative with a higher score is a more desirable option and an alternative with a lower score is a less desirable option:

[#] = E + T + B + O + N + I + S + P + C

Where:

E is Effectiveness	I is Difficulty in Implementation
T is Timeliness	S is Size
B is Benefits	P is Proximity to Area of Impact
O is Ownership	C is Cost
N is Environmental Issues	

Within each of the criteria, the alternatives were assigned a relative ranking for comparative purposes. The relative ranking was given a range of [1 to 10] for each category, with [10] being the most desirable and [1] being the least desirable rank for each category. Several matrix tables were created to rank the alternatives. Each matrix table was created such that the mitigation measures that compensated for specific resources (salt marsh, for example) were ranked together. The following matrix tables show the alternatives, the evaluation criteria, each alternative's ranking for its respective criteria, and the total score for each alternative. Alternatives are ranked by total score (highest score indicates the most preferred alternative).

Alternative Matrix Table (Salt Marsh)

Alternative	**E**	**T**	**B**	**O**	**N**	**I**	**S**	**P**	**C**	**Total**
Acushnet River Between 1-95 Bridge and Coggeshall Street Bridge	8	1	5	5	1	1	5	6	4	**36**
River Side Park Riparian Restoration	8	1	8	10	1	5	6	5	3	**47**
Beach, Salt Marsh, or Freshwater Wetland Construction at Crow Island	5	1	5	1	1	3	3	5	1	**45**
Hurricane Barrier Stormwater Drainage Swale Rehabilitation and Restoration	6	10	6	6	1	5	6	10	4	**54**
Rivers End Park Marsh Restoration	8	10	10	10	10	6	10	6	5	**75**

Alternative Matrix Table (Inter-tidal/Subtidal)

Alternative	E	T	B	O	N	I	S	P	C	Total
Capping of OU-3 Hot Spot	8	10	8	10	10	10	10	8	10	**84**
Construction of Beach North of Pease Park, Fairhaven	8	9	6	5	10	6	5	8	6	**63**
Beach, Salt Marsh, or Freshwater Wetland Construction at Crow Island	5	1	5	1	1	10	3	5	1	**32**
Winter Flounder Mitigation Area	6	8	8	10	10	8	8	8	8	**74**
Shellfish Mitigation (Seeding)	8	6	10	10	10	10	10	10	5	**79**
Tern Monitoring Plan	5	8	8	10	8	10	8	10	8	**75**

Where:

E is Effectiveness
B is Benefits of Habitat
N is Environmental Issues
S is Size
C is Cost of Implementation
T is Timeliness
O is Ownership
I is Difficulty in Implementation
P is Proximity to Area of Impact

List of Selected Sites

Based upon the evaluation, the following proposed mitigation alternatives appear to be the most promising for inclusion within a mitigation strategy for long-term impacts:

Salt Marsh:

- Alternative 11 – Rivers End Park Marsh Restoration – This alternative is in a location that, although some distance from the impact area, is still within the Acushnet River watershed, and will therefore serve to facilitate the functions and values being impacted by the work. Salt marsh is already present at this location, indicating good conditions for expansion of the salt marsh. The site is owned by the City of New Bedford, can be completed in a relatively short period of time and is not unduly expensive. The benefits from this site appear to be such that the resultant wetland is anticipated to have a higher degree of functioning than the existing freshwater wetland onsite (which is severely degraded) and should be capable of suitably compensating for the salt marsh being impacted. This area should be sufficient to mitigate for both the salt marsh and freshwater wetland impacts onsite.

Intertidal/Subtidal:

The intertidal and subtidal impacts from the project are more significant than can be compensated by one project only. Therefore, the following four alternatives have been selected as the most favorable for mitigating for intertidal and subtidal impacts:

- Alternative 3 – Capping of OU-3 Hot Spot - Alternative 3 is in a location proximate to the intertidal and subtidal impacts. Alternative 3 would create intertidal area in a location where it was once present (along the New Bedford Harbor shoreline prior to creation of the Hurricane Barrier. The location is controlled by the Commonwealth, can be completed in a relatively short period of time and is not unduly expensive. The benefits from this site appear to be that it will be isolated from human contact, which should allow more extensive use of the area by wildlife and will cap an area that is impacted by PCB contamination in sediment. Additionally, the pilot cap installed by EPA in this location has shown that the temporary impacts from capping will be quickly re-colonized by the surrounding benthic community.

- Alternative 12 – Winter Flounder Mitigation Area - Alternative 12 was the only Alternative that addressed mitigation for impacts to Winter Flounder spawning habitat, and was thus selected.

- Alternative 19 – Shellfish Mitigation (Seeding) - Alternative 19 was the only remaining Alternative to mitigate for impacts to shellfish, and was thus selected. Shellfish seeding is a commonly accepted practice for mitigating impacts to shellfish.

- Alternative 20 – Tern Monitoring Program - Alternative 20 was the only Alternative to provide mitigation for potential impacts to terns, and was thus selected.

Detailed Description of Mitigation Sites

3.2.5 River's End Park Salt Marsh Restoration

The River's End Park Salt Marsh Restoration project proposes restoration of 0.88 acres of salt marsh in the Rivers End Park situated just south of Main St, and East of River Road along the Acushnet River in New Bedford, Massachusetts. Currently, the site contains approximately 0.402 acres of salt marsh immediately adjacent to the Acushnet River. The mitigation work involves removal of fill from immediately behind the existing salt marsh, to expand the salt marsh to the east of the Acushnet River. USACE and EPA requested that the design of the mitigation measure maximize the flux of water into and out of the new marsh; therefore, some impacts to existing salt marsh were necessary in order to improve connections. The improved connections will result in 0.04 acres of salt marsh that will be temporarily impacted (but will be restored in place). The overall work area is 0.92 acres (0.04 acres of which will be existing salts marsh that will be then restored in place). Therefore, the project will result in a net increase in 0.88 acres of salt marsh. The figures within **Appendix 2** show the pre- and post- plans for the work, as well as cross-sections. The existing resource areas are included within Figure 6.

The work involves restoring salt marsh to the west of existing salt marsh along the river. Fill material would be removed, the area would be re-graded, and wetland species would be planted. The soil currently located at Rivers End Park is contaminated with heavy metals (primarily lead, but also by cadmium, zinc, chromium, and nickel) and Benzo(a)pyrene (a PAH constituent) above Massachusetts Contingency Plan Reportable Concentrations (MCP RCs). A number of

environmental investigations have been completed in association with site investigations conducted by the City of New Bedford, the most recent of which is a Release Abatement Completion Report issued in March of 2012 (see **Appendix 5)**. An additional summary of existing soil data prepared by Beals and Thomas is attached as **Appendix 6**. Please refer to the plans within **Appendix 5** for sample locations relevant to **Appendix 6**.

The eastern side of the property is currently waterfront and has an existing salt marsh of 0.62 acres. By removing lead and heavy metal contaminated soil located to the west of the existing salt marsh and grading the embankment into the upland area, the Commonwealth will create between 0.88 acres of salt marsh. This area is owned by the City of New Bedford, which supports the project. The New Bedford Conservation commission requested the preliminary design of the area as mitigation for a separate project, under the assumption that the City of New Bedford would be able to finance the work in association with the construction of the River's End Park; however, the funding for the work is unavailable. The Commonwealth has adopted this project, and has redesigned it to increase the quantity of low and high marsh to be created. Additionally, an existing embankment, which currently isolates proposed wetland areas from the Acushnet River will be removed to increase the tidal flushing into the wetland area. Finally, the Chapter 91 walkway, which previously ran along the eastern side of the proposed wetland has been moved to the western side. By funding this project, the Commonwealth will allow this work to move forward. The work will not only revitalize waterfront area, but will also extend a Chapter 91 compliant scenic walkway along this western side of the area, a walkway which has been planned by the City for some time.

The project will enhance the waterfront of the Upper New Bedford Harbor and create habitat for wetland flora and fauna. Although the location is a significant distance from the impact site, it is within the same watershed, and will have a positive impact on the waters of the Acushnet River, but upstream of the impact site. The restored area and the new salt marsh habitat will replicate the functions and values of salt marsh that will be lost during construction of the New Bedford Marine Commerce Terminal. **Figure 6** shows the existing resource areas within the Rivers End Park, including the High Tide Line and the existing wetland flagging. **Appendix 2** shows the current conceptual plan for mitigation within the Rivers End Park. Cross-sections and details of the proposed work are attached within **Appendix 2**.

Currently, the section of the Acushnet River adjacent to Rivers End Park is tidally influenced; however, the existing area (upland of the existing salt marsh) is degraded. Historic fill has eliminated resource areas upland of the existing salt marsh. The area of the proposed mitigation is currently characterized by the growth of upland invasive species, has poor hydrology, and has a large amount of trash evident. Hot-spot remediation has occurred onsite, in which some soils with high concentrations of heavy metals were excavated and disposed offsite (see **Appendices 5 and 6** for reports on the delineation of impacts to soil and sediment).

Please note that elevated levels of contaminants onsite (heavy metals, PAHs, etc) have been found primarily within the surficial 1-3 feet of soil onsite. The mitigation project will require removal of between 7-8 feet of soil to grade the contours such that the elevations will be suitable for tidal flushing to support the proposed salt marsh, which will remove contamination from the area. The results of analytical collected to date indicate that the contaminated surficial layer

will be removed during construction of the salt marsh, and that construction of the salt marsh will not result in expose of contamination.

The goal of the restoration project at this location is to create a functioning marsh area in a publically visible area, so as to have both an ecological and educational benefit. The mitigation project at this location would include three primary elements:

- Re-grading of the embankment profile to allow for the creation of an area of salt marsh vegetation. Excavation and off-site disposal of soil generated during re-grading at a suitable facility;
- Elimination and either reuse of the fill at another portion of the New Bedford Marine Commerce Terminal or offsite disposal of fill;
- Planting of low and high marsh species within the re-graded embankment and marsh area; and
- Installation of an adjacent public access Chapter 91 compliant scenic walkway.

The proposed marsh restoration/creation includes the following characteristics:

- Installation of a layer of parent material across the bottom of embankment, while shallowing some areas in order to create a suitable environment for low-marsh plants;
- Excavation of fill on the western side of the embankment and grading of the area that will promote high and low marsh vegetation growth as well as transitional vegetation growth;
- Planting of Low Marsh vegetation (such as sp. *spartina alternaflora*);
- Planting of Low Marsh/High Marsh vegetation (such as sp. s*partina patens, sp. Distichlis spicata*;
- Planting of High Marsh/Transition Zone vegetation (such as sp. *juncus gerardii,* sp. *iva frutescens* and a New England specific Coastal Salt Tolerant Grass mix;
- Planting of upland vegetation (such as sp. *solidago sempervirens*, sp. *eurybia spectabilis*, sp. *coreopsis verticillata*, sp. *prunus maritima*, sp. *myrica pensylvanica*, and a New England Specific Coastal Salt Tolerant Grass Mix); and
- Installation of an adjacent public access Chapter 91 compliant scenic walkway.

3.2.6 Winter Flounder Mitigation Area

Three locations located outside of the New Bedford Hurricane Barrier, adjacent to the Federal Channel, were proposed by USEPA as potential pilot Winter Flounder spawning mitigation locations, this proposal was based on the assumption that the locations met specific criteria associated with depth, PCB concentration in sediment, and strength of current. The three areas were screened for suitability for Winter Flounder spawning habitat creation via collection of bathymetric data, PCB concentration in sediment, and current data (for the location of data points, and a presentation of data collected in the three screening areas, please see **Appendix 7**).

Literature indicates the winter flounder spawn at a water depth of approximately -16.4 feet MLLW and shallower, and that currents less than 0.6 knots will prevent Winter Flounder eggs from being swept out to sea. Based upon the results of the screening investigation, it was

determined that the chosen location had existing bathymetry that is deeper than what is conventionally considered Winter Flounder spawning habitat, and had currents below 0.6 knots.

Samples of sediment collected from the proposed area Winter Flounder mitigation area were collected and analyzed for the presence of PCBs. The results of the testing indicated PCB concentrations in sediment between 1.3 mg/kg and 8.2 mg/kg within the proposed mitigation area, indicating PCB concentrations, although generally below EPA Superfund cleanup levels for the upper and lower Harbor, could have impacts such that capping the areas would result an environmental benefit by isolating the contaminants from the environment. (Please note that PCB concentrations in sediment are calculated by summing the 18 NOAA Congeners and multiplying by a factor of 2.0, which is a non-location specific factor used by NOAA to calculate total PCBs since 1988).

Based upon the results of the suitability analysis, it was determined that an area located immediately north of the Butler Flat's Lighthouse would be suitable for a pilot test, intended to create Winter Flounder spawning habitat. The area targeted for mitigation is at least approximately 22.73 acres in area, and is located outside of the New Bedford Hurricane Barrier. The area is approximately 1 mile south of the proposed facility in an area with a water depth of between approximately -22 feet MLLW to -18 feet MLLW. The proposed mitigation would change the elevation of the targeted area to a depth of approximately -16 MLLW or shallower, in order to create conditions suitable for Winter Flounder spawning. A figure showing the proposed mitigation area, as well as a conceptual cross-section are included as **Appendix 1**.

The mitigation would have a dual purpose. The work will not only create an area that is within the elevation range for preferred Winter Flounder spawning, the work will also cap PCB contaminated sediment, and enhance the area as habitat for fish and shellfish. The mitigation will be achieved via placement of dredged parent material within the target area. The parent material will be generated from either the construction of the South Terminal Expansion (i.e. parent material from the dredge footprint of the proposed facility) or from the construction of a CAD Cell, or both. The target final elevation after fill placement will be a depth of approximately -16 feet MLLW or deeper.

3.2.7 Capping of OU-3 Hot Spot

This proposed alternative would utilize parent material from the construction of South Terminal or from a CAD Cell to cap 14.91 acres of near-shore, shallow, sub-tidal environment, and create an adjacent new 4.47 acre intertidal area, in order to compensate for permanent loss of intertidal area and temporary and permanent impacts to sub-tidal areas via construction of the South Terminal CDF. The location of the proposed intertidal creation and sub-tidal enhancement is located immediately outside of the New Bedford Hurricane Barrier, east and slightly south of the end of Gifford Street.

The proposed intertidal creation and sub-tidal enhancement areas would be created outside the Hurricane Barrier on the New Bedford side of the Bay (see **Appendix 1** for the location of the proposed intertidal creation area). The location of the intertidal creation was selected because it was previously an intertidal area (prior to the construction of the New Bedford Hurricane Barrier) that was formerly affected by an anthropogenic structure (the Hurricane Barrier), and

would significantly benefit from new intertidal habitat. A cross-sectional diagram of an example beach profile for the proposed created intertidal area is included in **Appendix 1**. The profile created will include a large proportion of intertidal sandy (silt/sand/gravel mixture) area, representing creation of preferential habitat.

The proposed mitigation location is not accessible from the shore and is rarely travelled by recreational vessels. As a result, the critical area would be relatively isolated from human impacts, and would provide a prime location to enhance spawning and foraging areas for winter flounder, scup, black sea bass and windowpane flounder, and enhance foraging area for avian wildlife identified within the resource delineation, including the Common Tern and the Roseate Tern, and create horseshoe crab spawning habitat.

Both the inter-tidal creation area and the sub-tidal enhancement areas were also chosen due to the presence of PCB impacted sediment in the area. The placement of the parent material will also cap PCB contaminated sediment associated with a portion of the New Bedford Harbor superfund project called "OU-3". The mitigation is located within a near-shore, shallow, sub-tidal area located in the outer harbor, immediately southwest of the Hurricane Barrier, where a PCB-contaminated area has been partially (approximately 20 acres) capped (OU-3 pilot cap), OU-3 is a 17,000 acre area outside of the Hurricane Barrier. A hotspot area was located in the vicinity of the proposed mitigation that was partially capped in 2005 (OU-3 pilot cap). The OU-3 pilot cap area was identified for remediation under the New Bedford Harbor Superfund project; however, the OU-3 pilot cap area is not within the area slated for intertidal creation. The OU-3 pilot cap project was a "pilot study"; a remedy decision has not been issued for OU-3. The mitigation project would have the dual purpose of creating intertidal area while simultaneously capping and isolating from the environment sediments with a high level (but likely lower than 10 mg/kg) of PCB contamination within them.

Through bioaccumulation and uptake, PCBs impact a variety of types of marine life, and also have subsequent effects on avian wildlife. The effects of PCBs on Common and Roseate terns via their ingestion of sand lance were discussed in the previous section; it is anticipated that the isolation of PCB contaminated sediment in the location of the proposed intertidal creation area will also benefit both terns and other avian wildlife. A summary of available literature presenting some evidence of the impact of PCBs on the reproductive cycle of Winter Flounder is attached as **Appendix 8**. The literature search consists of one study noting the link between PCB contamination and a reduction in Winter Flounder larval length and body weight. The other study notes that reduced larval length and body weight results in significant decreased survival potential. The two studies taken together indicate that PCBs in sediment have a significant impact on the ability for Winter Flounder to produce viable offspring that ultimately contribute to propagation of the species. As a result, it is likely that eliminating direct contact from PCB impacted sediment would result in a positive impact to the Winter Flounder population. Therefore, isolation of PCB sediments would be beneficial to Winter Flounder.

It is suspected that PCB impacted sediment affects many species, in addition to Winter Flounder, and that capping PCB impacted sediment will create an area that will be relatively more productive as a shallow near-shore subtidal environment for spawning and foraging areas for many species, including Winter Flounder, Scup, Black Sea Bass and Windowpane Flounder.

The areas will also therefore be more productive as foraging areas for avian wildlife, including the Common Tern and the Roseate Tern.

3.2.8 Shellfish Mitigation (Seeding)

Seeding within Area I was not considered due to the restrictions outlined above when considering relaying. Areas that have been considered for seeding are within areas that EPA considers conditionally acceptable for shellfishing (Areas II), due to restrictions on shellfish consumption recommended by EPA, in relation to the concentrations of PCBs found within shellfish harvested within this area and Area III, the only unrestricted area present within the City of New Bedford. Area III is located further from shore, and, although accessible by commercial shellfishermen, would not be easily accessible to local shellfisherman within the City of New Bedford, who would be most impacted by the reduction in shellfish seed stock associated with the completion of this project. Therefore, it is generally considered that the bulk of seeding will take place within Area II.

The Commonwealth proposes the purchase and planting of two and one half (2.5) quahog seed for every one (1) quahog impacted by the project, for a total of 24,542,802 seed quahogs, assuming all portions of the project as proposed are completed. Because the seed will be planted in a phased approach, the Commonwealth plans to assess the total number of shellfish impacted based on the project "as completed", and if portions of the project are not completed, the number of shellfish seed will be reduced proportionately. The seed will be primarily quahog (as outlined above), with the exception of some portion of the seed to be oyster stock (which will be seeded in association with the "oyster reef" requested by NMFS, and as described below). The exact number of oyster seed will be dependent on the size and layout of the proposed "oyster reef", and will be finalized in consultations with NMFS and MassDMF.

MassDMF considers seed appropriate for planting to range from approximately 20-25 mm in size; out-planting at this size minimizes the mortality rate without the need for predator exclusion netting. The planting activities would target shallow subtidal areas in City of New Bedford waters. MassDMF has stated that seeded areas are ideally shut down for shellfishing for a minimum of one year up to approximately three years, in order to allow the seed to grow to a sufficient size to spawn and reach legal harvest size. Rather than plant at one time (which would result in large areas to be shut down for 1-3 years), it is recommended that the planting be distributed using a rotational planting and closure plan developed by MassDMF and the City over a relatively long time period (approximately 10-15 years). Planting will not take place within Area I, north of the hurricane barrier. Figure 1 (see below) illustrates the potential areas for seeding in the City of New Bedford (attached). Planting will occur in approved (green hatched) and conditionally approved (orange hatched) areas only. Red cross-hatched areas are prohibited for shellfishing and would not be seeded. Blue striped areas are restricted and would not be seeded.

There are approximately 1,500 acres of potential seeding area located within shallow, subtidal areas that are conditionally approved for shellfishing in City of New Bedford waters (see **Figure 3**). The area has been broken down into 10 separate sub-areas, of approximately 150 acres each. Each year of seeding will take place in a portion of one of the 10 separate sub-areas. That area

will then be shut down for shellfishing for a maximum of 3 years. For the purposes of this plan, the intent is to rotate from sub-area to sub-area from lowest to highest number (Area 1 first, Area 2 second, etc). Additional guidelines on standard shellfish seeding protocols utilized by MassDMF are included within the MassDMF Shellfish Planting Guidelines (**Appendix 15**). Please note that specific conditions will drive the process by which the rotational seeding and closure process will proceed; however, the plan may be altered as the seeding progresses over what is anticipated to be a lengthy seeding period (10 years or more).

The Commonwealth anticipates that the area selected for seeding should be more than large enough to accommodate the new seed. Shallow, subtidal areas associated with the New Bedford Marine Commerce Terminal were documented within the Commonwealth's shellfish survey to support between 50,000 and 800,000 shellfish per acre (an average of 425,000 shellfish per acre). Therefore, it is anticipated that, if 2,000,000 seed were produced in any one year, an average of 4.7 acres shallow sub-tidal shellfish habitat would be needed to support those seed. Thus, in no case would an entire 150 acre area need to be shut down. If the areas are shut for three years only, then an average of 28.2 acres of the total 1500 acres will be shut at any one time to allow maturation for the seeded areas, which is a very small fraction of the overall available shellfishing area.

A reseeding project for impacts to shellfish at South Terminal (and associated areas) would have the following characteristics:

The planting program would be run by MassDMF for the Commonwealth. Quahogs would be planted at a size of 20-25 mm to optimize survival. MassDMF would purchase seed quahogs (5-8 mm) and oversee the grow out (to 20-25 mm). The grow out would occur at the John Hughes Hatchery on Martha's Vineyard and the shellfish would be outplanted in New Bedford waters. The areas for outplanting would be identified in concert with the city, and rotational closure management would be used to ensure sufficient area is open for recreational and commercial shellfishing that occurs in the area. To compensate for some other species that were detected during field investigations, an "oyster reef" will be created outside of the New Bedford Hurricane Barrier. The exact location and configuration of this reef will be worked out between EPA, NMFS and MassDMF, but may be constructed with rock removed in association with the New Bedford Marine Commerce Terminal. A relatively small percentage (up to 20%) of the overall 24.4 million shellfish will be seeded as oysters in association with construction of the reef; however, the exact number will be dependent on the size and configuration of the reef. Only quahogs will be planted in the other areas conditionally approved for shellfishing. Interagency coordination meetings between MassDMF, NMFS, and EPA will take place to determine the design of the "oyster reef" requested by NMFS; this meeting has not yet taken place. The number of shellfish, the apportionment of species, and the design of the "oyster reef" will be in accordance with the final decisions reached during the interagency coordination meetings and the written agreement that results from those meetings. Further direction regarding methods and location of the "oyster reef" will be generated from the MassDMF Shellfish Planting Guidelines (**Appendix 15**) and the MassDMF Artificial Reef Policy (**Appendix 16**).

At present, the productivity of the proposed hatchery depends upon a number of operational factors; it is anticipated that up to 2,000,000 seed could be purchased and grown out per year.

The program is currently anticipated to last between 10 and 15 years, dependent upon the productivity factors mentioned above, or until the 24,542,802 seed (or the proportional equivalent, based on the number of shellfish impacted) have been planted.

3.2.9 Tern Monitoring Program

Although it is not currently anticipated that Common Tern and Roseate Tern habitat will be substantially impacted by completion of the South Terminal CDF project, elements of the proposed project mitigation related to creation of intertidal and shallow water subtidal habitat, in conjunction with the removal of PCB-contaminated sediment, is intended to compensate for the impacts to tern foraging habitat that may occur. In addition, a tern survey plan will be implemented in Spring/Summer 2012 to determine the extent of the foraging habitat for the Terns as well as Tern use of the area. Based on consultation with the Massachusetts Natural Heritage and Endangered Species Program (NHESP) (Mostello, pers. comm.), the survey will entail weekly surveys from May through mid-July, peak tern nesting season, to acquire data on the density and abundance of terns using the area on both an east/west and north/south gradient to determine tern abundance and density as a function of proximity to shoreline and distance up the estuary. Outside the hurricane barrier, transects would be roughly east/west (shoreline to shoreline); inside the hurricane barrier one north/south transect would extend from the hurricane barrier as far north as navigability allows. At the recommendation of the NHESP, the surveys will be conducted using methodology consistent with guidance provided in the document titled Towards standardized seabirds at sea census techniques in connection with environmental impact assessments for offshore wind farms in the U.K. (http://www.offshorewindfarms.co.uk/Assets/1352_bird_survey_phase1_final_04_05_06.pdf), and in consultation with the NHESP and the U.S. Fish and Wildlife Service.

The Monitoring Program involve weekly surveys for terns both within and without New Bedford Harbor from mid- to late- April to mid- to late- August in one year. Surveys will be conducted by utilizing a wildlife expert, with tern spotting knowledge on a marine vessel that will follow the same transects on each inspection. The transects will run north to south in New Bedford Harbor; one transect on the east of the harbor, one on the west, and one down the center of the harbor, for areas north of the Hurricane Barrier and one transact on the west and one down the Federal Channel for areas south of the Hurricane Barrier. The northernmost location will be bounded by the Route 195 bridge, while the southernmost location will be the Butler Flats area. This data will be collected and summarized in a report, which will be presented to the Massachusetts Natural Heritage and Endangered Species Program, which will synthesize the data with existing and future date to be able better know the extent to which terns are utilizing New Bedford Harbor, if at all. A drawing showing the proposed transect lines is included as **Figure 4**.

4.0 Site Protection Instrument

In order to ensure the completion and long term viability of the proposed “Compensatory Mitigation”, the Commonwealth proposes to implement a “Site Protection Instrument”(SPI). This instrument serves to assure the relevant agencies that the compensatory mitigation will be performed and will enjoy permanent protection. The wetland mitigation site known as “River’s End Park Salt Marsh Restoration”(Site) is a city owned parcel of upland real estate and as a

result, the only mitigation project not under regular direct control of the Commonwealth, and/or the interested agencies. In this context this Site is unique, and additional attention afforded by the SPI is a prudent protection for this mitigation site. The Site Protection Instrument also serves as a basis for establishing the roles and responsibilities and identities for maintenance of this mitigation project, which will be discussed in Section 11 "Financial Assurances". The commonwealth has selected a SPI template, **Appendix 9**, as the basis of discussions with the EPA. A final SPI format will require acceptance of both the Commonwealth and the EPA, but will contain the major elements of the attached template although the form may vary. A summary of the protections offered by the SPI are discussed below.

4.1 Legal Arrangement

The attached SPI commits to the establishment of the permittee responsible mitigation wetland which will be created by the project proponent, in this case the Commonwealth of Massachusetts, and will remain in the care of the City of New Bedford as the Property Owner. The Site once constructed will have compensatory mitigation equal to that which is required by the USEPA and the Corps of Engineers for the loss of saltmarsh and bordering vegetated wetland resource at the NBMCT.

The Site once constructed will have compensatory mitigation "Credit" equal to that which is required by the USEPA and the Corps of Engineers for the loss of saltmarsh resource at the NBMCT. The SPI also names the USEPA and the State Enhanced Remedy Committee as the Interagency Review Team (IRT). The IRT is given oversight and review powers to ensure; that the existing resources are adequately delineated, and the constructed mitigation meets the requirements of the approved mitigation design.

4.2 Legal Instrument

As real estate the subject parcel that the Site is a located on can be transferred to alternate owners as real property. To protect the Site and the associated resources, the SPI provides for an encumbrance on the property through a Conservation Restriction in accordance with Massachusetts law. The Conservation Restriction is a perpetual easement prohibiting development of the property which is not consistent with the protected "conservation value". For the Site, the conservation value to be cited in the Conservation Restriction is to be the compensatory saltmarsh as approved by EPA. This encumbrance will ensure that regardless of the possible future property transfers or owner, the saltmarsh will remain a protected resource.

A Draft Declaration of Restriction template is attached as Appendix 13. The Conservation Restriction is a protective document that amends the deed to restrict future use of the property and avoid actions on the property that are detrimental to success of the mitigation work. The Commonwealth believes that this is the best methodology for implementing a restriction for this Property. The proposed conservation restriction is sufficiently protective for the following reasons:

1. The City of New Bedford will retain ownership of the property, while the Commonwealth maintains the mitigation area, the final boundaries of which will be monumented in the field and noted on the restriction.
2. The document notes approved actions (such as activities associated with construction, operation, and maintenance of the proposed mitigation measures) and forbidden actions (such as filling, clearing, or other disturbances, including vehicular access).
3. The document gives the Agency (EPA) and the Commonwealth the right to enforce the document.
4. The document gives the Agency (EPA) and the Commonwealth the right to conduct periodic inspections to determine to its satisfaction that the work has been completed and maintained to the satisfaction of the Agency and the Commonwealth.
5. Once put in place, the document restricts future alterations or releases of the declaration unless they have been approved in writing by EPA and the Commonwealth.

The River's End compensatory mitigation site to be set aside for conservation will be protected in perpetuity from future development via the Restriction noted above. Within 90 days of the date of EPA's final determination and prior to initiation of work in aquatic resources, the Commonwealth will submit to EPA a draft of the preservation document. Within 30 days of the date EPA approves this draft document in writing, the Commonwealth will execute and record it with the Registry of Deeds for the City of New Bedford. A copy of the executed and recorded document will be sent to EPA within 120 days of the date EPA approves it. As noted above:

- The preservation document will enable the site to be protected in perpetuity from any future development.
- The document will expressly allow for the creation, restoration, remediation and monitoring activities required by EPA's final determination.
- It will prohibit all other filling, clearing and other disturbances (including vehicle access) except for activities explicitly authorized by EPA.

5.0 Baseline Information

5.1 Impact Assessment of Proposed Project

The following section outlines the baseline information for the Commonwealth's assessment of primary and secondary impacts associated with the project, resource area delineation, and impact assessment of the proposed project.

5.1.1 Resource Identification and Direct Impact Assessment

The project site is located adjacent to New Bedford Harbor in New Bedford, Massachusetts, immediately to the south of the existing South Terminal facility, adjacent to the Acushnet River. A Site Locus Map is included with this document as **Figure 1**. The latitude of this site is 41.622936. The longitude of this site is 70.915271. The site is located within the Cape Cod Watershed. The Hydrologic Unit Code for this site is 01090002.

A wetland resource investigation was conducted on April of 2010 and again in June of 2012 and September of 2012. Elevations of the property were recorded during the land survey and referenced to New Bedford Harbor Mean Lower Low Water datum, and were used to determine the limits of the High Tide Line. Scaled plans showing the existing resources with wetland flag locations for the project site, and areas of direct impact shaded, as well as the High Tide Line, Mean Low Water, and Mean High Water and Mean High High Water marked are shown on **Figure 5**. The investigations revealed a relatively small area of freshwater wetland in the upland area (approximately 0.109 acres). During the course of this investigation, the presence of historic fill was confirmed in all but one of up to nine separate test pit locations dug to investigate the presence of hydric soils during the wetland delineation. The fill on the site consists of angular stone, soil, brick, gravel, asphalt, tar, concrete, steel, automobile and truck tires and inner-tubes, automobile and truck parts, plastic, and glass. In all but one location, man-made materials (brick, asphalt, trash, etc.) were identified within 15 inches of the surface. This was found to be the case even for areas in which hydric soils were noted within the top 10-15 inches of soil and where wetland indicator species (primarily the invasive species *phragmites australis*) were detected. A written description of the wetland survey investigations conducted in June of 2012 are included as **Appendix 10** to this document.

A resource area location map is included as **Figure 5**. Historically, the majority of the land that will be incorporated into the proposed Facility is former heavy industrial property, the site of an extensive former mill complex. Historical maps, sketches, and photographs indicate that a large textile mill complex known as the *Potomska Mills* occupied approximately 19 acres, or much of the land within the footprint of the proposed facility. Based on a best-fit overlay of the historical maps onto current conditions noted from recent (2009) aerial photography, the mill complex land appears to have extended inland from the current shoreline to beyond the western-most extents of the proposed Facility, and extended eastward into some portion of what is now intertidal land. A 1911 "Atlas of the City of New Bedford, Massachusetts" depicts the former mill site covering more than half of the proposed South Terminal Extension Facility main site. Historical information indicates that the Mill began erecting structures on the site around 1871, and that the complex was demolished between 1935 and 1936. Presently, the land area that covers the former mill complex exhibits areas of hummocky terrain typically indicative of remnant rubble or debris in the subsurface, and portions of the site (particularly the central, northern, and western portions) contain broken pieces of brick and mortar at or just below the ground surface.

The primary resource areas noted during the field investigation are: salt marsh, freshwater wetland, intertidal area, shallow, near-shore subtidal area (existing elevation of between -1 and -6 MLLW), and deeper subtidal area (existing elevation between -20 and -25 MLLW).

5.1.2 Wetland Identification (Cowardin, et. AI.) – Area of Impact

The following is an assessment of wetland classes at the site that will be effected by the proposed work, in accordance with the system presented by Cowardin, et.al. (1979) "Classification of wetlands and deepwater habitats of the United States," Office of Biological Services, FWS/OBS-79/31, December 1979:

For areas submerged at low tide:

System: Estuarine, Subsystem: Subtidal, Class: Unconsolidated Bottom, Subclass: Mud
For areas between low tide and high tide:
System: Estuarine, Subsystem: Intertidal, Class: Unconsolidated Shore, Subclass: Sand
For salt marsh areas:
System: Estuarine, Subsystem: Intertidal, Class: Emergent Wetland

For freshwater wetlands on the upland portion of the site:

System: Palustrine, Class: Emergent Wetland

5.1.3 Wetland Identification (Hydrogeomorphic Classification) – Area of Impact

The following is an assessment of wetland classes at the site that will be effected by the proposed work, in accordance with the system presented by Brinson, M.M. (1993). "A hydrogeomorphic classification for wetlands", Technical Report WRP-DE-4, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS. NTIS No. AD A270 053.

For intertidal areas, subtidal areas, and salt marsh at the site:
Geomorphic Setting: Coastal – Fringe Wetlands - Sea Level Location
Water Source: Lateral Surface Flows (tides)
Hydrodynamic Properties: Bi-directional Flows – Astronomical Tides (Regular Flooding)

For freshwater wetlands at the site:
Geomorphic Setting: Depressional Wetlands – No apparent inlet or outlet.
Water Source: Groundwater discharge to wetland.
Hydrodynamic Properties: Vertical fluctuation of water table – Drawdowns of WT Interspersed between frequent rain events that fully saturate sediments.

5.1.4 Functions and Values Assessment

The following is an evaluation of functions and values for the area of impact. A subsequent section summarizes the principal functions/values of the proposed South Terminal CDF area, and discusses the potential impacts that the proposed work will have on the principal functions/values of the proposed South Terminal CDF area:

5.1.5 Groundwater Recharge/Discharge

Groundwater Discharge is one of the principal functions/values of the wetland. The area is a primary intersection of a freshwater groundwater table and a saltwater estuary. Groundwater generated via precipitation and runoff typically intersects with saltwater intrusion and discharges/mixes at this location; therefore, Groundwater Discharge is one of the Primary Functions. Groundwater recharge does not occur at this location.

5.1.6 Floodflow Alteration (Storage & Desynchronization)

The wetland area provides storage for flood flows present within the Acushnet River; however, flood storage is not as crucial at the base of the Acushnet River, where New Bedford Harbor

intersects with Buzzard's Bay. Reduction of flood storage at this end of the Acushnet River provides less benefit due to the ease at which flood waters drain out through the Hurricane Barrier at the mouth of New Bedford Harbor. Flood flows during storm surges are many orders of magnitude higher than what can be accommodated at properties within New Bedford Harbor; and the New Bedford Hurricane Barrier protects New Bedford Harbor from significant storm surges. Therefore, although flood flow alteration is one of the functions/values of the wetland, it is not a Principal Function.

5.1.7 Sediment/Shoreline Stabilization

The wetland areas provide a buffer to reduce the energy of the high-velocity waves within New Bedford Harbor. The filling of the wetland areas will reduce the ability of the area to reduce the energy of these waves, which would result in slightly higher energy waves within the Harbor impacting upon other structures, vessels, and natural features. Therefore, sediment/shoreline stabilization is one of the Principal Functions of the wetland areas.

5.1.8 Fish and Shellfish Habitat

Shallow, near-shore subtidal areas serve as fish habitat as well as spawning grounds. An Essential Fish Habitat Assessment has been conducted (see January 18, 2012 submission to EPA). The Essential Fish Habitat Assessment provides a more thorough assessment of the existing fisheries habitat that will be altered by completion of this project.

Visual evidence as well as the results of a shellfish survey have indicated that the coastal beach and aquatic areas of the site serve as shellfish habitat. The results of the shellfish survey are included within previous sections of this document. The Shellfish Survey provides a more thorough assessment of the existing shellfish resources that will be altered by completion of this project. Fish and shellfish habitat is one of the Principal Functions of the wetland areas.

5.1.9 Wildlife Habitat

The site is isolated on all sides by industrial properties, which minimizes the accessibility of the site for large mammals. However, the shallow water habitat, and the intertidal areas provide nesting and feeding locations for shore birds. Avian wildlife has been observed onsite as well as within New Bedford Harbor and Bristol County. A more thorough assessment of the avian wildlife that may frequent the site, due to the presence of such wildlife within the greater region, and also based upon local bird-watching information is included within previous sections of this document.

It should be noted that the quality of the avian habitat is questionable due to the PCB impacts to shoreline sediments as well as the impacts to shellfish that serve as a food source for avian wildlife at the site. Nevertheless, wildlife habitat is one of the Principal Functions of the wetland areas.

5.1.10 Sediment / Toxicant Retention

Although wetland areas are typically associated with sediment/toxicant reduction, the presence of PCBs within sediment in New Bedford Harbor complicates the assessment of these areas. Fine grained material or sediment are present below the low tide line and are also interspersed within the sand-dominated intertidal area, which results in the elevated concentrations of PCBs in both locations. Shellfish located within the resource areas typically have relatively high concentrations of PCBs in their flesh. Therefore, sediment/toxicant retention is not listed as a principal function and value for the area of impact.

5.1.11 Nutrient Removal/Retention/Transformation and Production Export

The salt marsh and upland freshwater wetland serve to act as a sink for nutrients; nevertheless, the flow regime, low detention time, absence of slowly draining fine-grained material or deep organic/sediment deposits limit the capabilities of the wetland areas to act as a sink for nutrients in a significant fashion. Some level of production of food or usable products are associated with the salt marsh and freshwater wetland areas (particularly for wildlife), and Winter Flounder are known to feed off of shellfish. However, the presence of PCB impacts within sediment complicate the assessment of the impact area, particularly due to the potential for the export of nutrients to also be impacted with PCB contamination (of organic matter exported). Therefore, the functions/values of Nutrient Removal/Retention/ Transformation and Production Export (Nutrient) are not considered a principal function and value.

5.1.12 Recreation (Consumptive & Non-Consumptive), Educational/ Scientific Value, Uniqueness/ Heritage, Visual Quality/ Aesthetics

The site is an open area, and has a length of coastline that can be viewed from multiple locations. However, the site is strewn with trash, and debris, and is not a popular location for the locals to view. The site is located within New Bedford Harbor, which is an active industrial and commercial Harbor, and the site is located within an area designated by the Commonwealth of Massachusetts as a Designated Port Area; an area that is set aside specifically for industrial development. The site does not have any cultural or heritage significance. The site is not part of a recreation area, is private property, is fenced off, and the public is discouraged from entering. The wetland areas are adjacent to navigation areas, but are not accessible for recreational boaters; a recreational boat ramp and mooring fields are adjacent to the site, and accessible through City of New Bedford-owned facilities. Impacts to the wetland areas will not impact accessibility to New Bedford Harbor. Therefore, the functions/values of Recreation, Educational/Scientific Value, Uniqueness/Heritage, and Visual Quality/Aesthetics are not principal functions and values.

5.1.13 Endangered Species

The site is not located within an area identified as critical habitat or priority habitat for rare or endangered species.

5.1.14 Evaluation of Principal Functions and Values

As identified above, the principal functions and values identified for the site are:

- Groundwater Discharge;
- Sediment/Shoreline Stabilization;
- Wildlife Habitat; and
- Fish and Shellfish Habitat.

The primary impact to the existing resource areas are the diminished wildlife, fish, and shellfish habitat. The mitigation measures are primarily designed to address those functions and values.

5.2 Assessment of Mitigation Measures

The following section outlines the baseline information for the Commonwealth's assessment of the mitigation measures proposed for compensation in association with the project, resource area delineation, and impact assessment of the proposed project.

5.2.1 Resource Identification for Mitigation Measures

There are three primary mitigation sites (River's End Park Mitigation Site, OU-3 Hot Spot Capping Area and Winter Flounder Mitigation Area). All three locations are located either within New Bedford Harbor (outside of the Hurricane Barrier) or adjacent to the Acushnet River; however, all three locations are located within the city limits of the City of New Bedford. A Site Locus Map showing all three mitigation areas is included as **Figure 6**. The latitude and longitude of the three sites is:

- River's End Park Mitigation Site: Latitude – 41.679936, Longitude – 70.917399
- OU-3 Hot Spot Capping Area: Latitude – 41.618165, Longitude – 70.912254
- Winter Flounder Mitigation Area: Latitude – 41.606053, Longitude – 70.896362

All three sites are located within the Cape Cod Watershed. The Hydrologic Unit Code for all three mitigation sites is: 01090002.

The OU-3 Hot Spot Capping area and the Winter Flounder Mitigation Area are completely sub-tidal as of a hydrographic survey conducted in the spring of 2011. A wetland resource investigation for the River's End Park Mitigation Site was conducted in October of 2012. Elevations of the property were recorded during the land survey and referenced to New Bedford Harbor Mean Lower Low Water datum, and were used to determine the limits of the High Tide Line. Scaled plans showing the existing resources with wetland flag locations for the project site, and areas of direct impact shaded, as well as the High Tide Line, Mean Low Water, and Mean High Water and Mean High High Water marked are included as **Figure 6**. The investigations revealed an existing are of salt marsh on the fringe of the border of the property with the Acushnet River; *however, the mitigation is designed to prevent impact to that existing wetland area.*

5.2.2 Wetland Identification (Cowardin, et. A1) – Post-Construction Mitigation Sites

The following is an assessment of the wetland classes at the three mitigation sites proposed for mitigation work, in accordance with the system presented by Cowardin, et.al. (1979) "Classification of wetlands and deepwater habitats of the United States," Office of Biological Services, FWS/OBS-79/31, December 1979:

For the Winter Flounder Mitigation area:
The current and the enhanced classification for the Winter Flounder Mitigation Area is:
System: Estuarine, Subsystem: Subtidal, Class: Unconsolidated Bottom, Subclass: Mud

For the OU-3 Capping Area:

The current classification prior to mitigation, as well as the enhanced condition post mitigation for the sub-tidal enhancement areas is: System: Estuarine, Subsystem: Subtidal, Class: Unconsolidated Bottom, Subclass: Mud
No intertidal currently exists in this location. Post construction, the following classification will apply to the intertidal areas: System: Estuarine, Subsystem: Intertidal, Class: Unconsolidated Shore, Subclass: Sand

For the River's End Park Mitigation Area:
No salt marsh currently exists within the area planned for mitigation. Post mitigation, the following will be the classification - System: Estuarine, Subsystem: Intertidal, Class: Emergent Wetland

5.2.3 Wetland Identification (Hydrogeomorphic Classification) – Post-Construction Mitigation Sites

The following is an assessment of wetland classes at the three mitigation locations proposed for mitigation work, in accordance with the system presented by Brinson, M.M. (1993). "A hydrogeomorphic classification for wetlands", Technical Report WRP-DE-4, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS. NTIS No. AD A270 053.

The existing and post-construction condition of the OU-3 Capping Area and the Winter Flounder Mitigation area, as well as the post-construction condition of the River's End Park Mitigation Area are:
Geomorphic Setting: Coastal – Fringe Wetlands - Sea Level Location
Water Source: Lateral Surface Flows (tides)
Hydrodynamic Properties: Bi-directional Flows – Astronomical Tides (Regular Flooding)

5.2.4 Functions and Values Assessment

The following is an evaluation of functions and values for the mitigation areas. A subsequent section summarizes the principal functions/values of the proposed South Terminal CDF area, and discusses the potential impacts that the proposed work will have on the principal functions/values of the proposed South Terminal CDF area:

5.2.5 Groundwater Recharge/ Discharge

Groundwater Discharge will be one of the principal functions/values of the River's End Park Mitigation Area. The area will be a primary intersection of a freshwater groundwater table and a saltwater estuary. Groundwater generated via precipitation and runoff typically intersects with saltwater intrusion and discharges/mixes at this location; therefore, Groundwater Discharge is one of the Primary Functions. Groundwater recharge will not occur at this location.

No Groundwater Discharge or Recharge does or will occur at the OU-3 Capping Area and/or the Winter Flounder Mitigation Area.

5.2.6 Floodflow Alteration (Storage & Desynchronization)

The River's End Mitigation Area will provide floodflow alteration, including storage, post construction, which does not currently occur due to the presence of fill in the area. Flood storage on this end of the Acushnet River can be very beneficial to overall flood storage for the Acushnet River. Flood storage will be a primary function and value of the mitigation area once it is completed.

The OU-3 Capping Area and the Winter Flounder Mitigation Area do not currently and are not anticipated to, post-construction, provide this function and/or value. Therefore, although flood flow alteration is one of the functions/values of the wetland, it is not a Principal Function.

5.2.7 Sediment/ Shoreline Stabilization

The post-construction mitigation at the River's End Park is anticipated to provide additional sediment/shoreline stabilization than its existing condition. It is anticipated that sediment/shoreline stabilization will become a post-construction primary function and value of the new salt marsh area.

The OU-3 Capping Area does not currently have sediment/shoreline stabilization as one of its primary functions and values, but the intertidal portion of the capping area have sediment/shoreline stabilization as a primary function and value, due to its ability to buffer the storm waves that would otherwise reflect off of the Hurricane Barrier and redirect to other shoreline locations.

The Winter Flounder Mitigation Area both pre- and post-construction will not have sediment/shoreline stabilization as one of its primary functions or values.

5.2.8 Fish and Shellfish Habitat

The River's End Park Mitigation Area does not currently (pre-construction) sever as fish and shellfish habitat, but will likely serve some nursery functions post construction for some species of fish.

The OU-3 Capping Area and the Winter Flounder Mitigation Area both serve as shellfish and fish habitat, but are currently impacted by concentrations of PCBs in sediment which degrade the quality of the existing habitat. Capping these areas will isolate the PCBs from the existing marine populations, serving to enhance the habitats. Additionally, the Winter Flounder Mitigation Area will not serve as Winter Flounder spawning habitat pre-construction, but is anticipated to serve as Winter Flounder spawning habitat post-construction, which will be a significant improvement in this wetland's functions and values.

5.2.9 Wildlife Habitat

The Winter Flounder Mitigation Area and the OU-3 Capping Area serve as locations within which shorebirds may forage for food. As a result, capping these areas will likely assist in increasing the quality of these habitats. As the fish are less exposed to PCBs, the shorebirds that eat the fish will then have their exposure to PCBs similarly reduced. The creation of intertidal area at the OU-3 Capping area will allow foraging shorebirds to rest periodically on the beach and forage within the area in shallow water or on periodically dry land. Plunge diving birds will be able to forage within this shallow habitat more easily.

The River's End Park Mitigation Area will create a new habitat for wildlife to utilize. This will be a principal function and value for the area.

5.2.10 Sediment/ Toxicant Retention

It is anticipated that the River's End Park Mitigation area will have sediment/toxicant retention as one of its principal functions and values (once it is constructed).

5.2.11 Nutrient Removal/ Retention/ Transformation and Production Export (Nutrient)

It is anticipated that the River's End Park Mitigation area will have nutrient removal/retention/transformation as one of its principal functions and values (once it is constructed).

5.2.12 Recreation (Consumptive & Non-Consumptive), Educational/ Scientific Value, Uniqueness/ Heritage, Visual Quality / Aesthetics

None of the three mitigation locations have any cultural or heritage significance. The River's End Park Mitigation Area is part of a City park that has been planned by the City of New Bedford. The park will have recreational value, as well as visual quality/aesthetics that are currently not available in the park's current state. The site is owned by the City, and the City anticipates having the public able to view the location and be able to appreciate its functions and values. The OU-3 Capping Area and the Winter Flounder Mitigation Areas are areas that may be navigable, but are not federally authorized. Although this function and value is relevant to all three sites, the functions/values of Recreation, Educational/Scientific Value, Uniqueness/Heritage, and Visual Quality/Aesthetics are not principal functions and values, except for the proposed River's End Park Mitigation Area.

5.2.13 Endangered Species

None of these locations is located within an area identified as critical habitat or priority habitat for rare or endangered species.

5.2.14 Evaluation of Principal Functions and Values

Pre-construction, the principal functions and values identified for the three sites pre-mitigation are:

- Wildlife Habitat - OU-3 Capping Area, Winter Flounder Mitigation.
- Fish and Shellfish Habitat –OU-3 Capping Area, Winter Flounder Mitigation.

Post-Construction, the principal functions and values identified for the three sites are:

- Groundwater Discharge – River's End Park;
- Floodflow Alteration (Storage & Desynchronization) – River's End Park;
- Sediment/Shoreline Stabilization – River's End Park;
- Wildlife Habitat - River's End Park, OU-3 Capping Area, Winter Flounder Mitigation.
- Fish and Shellfish Habitat – River's End Park, OU-3 Capping Area, Winter Flounder Mitigation.
- Sediment Toxicant Reduction - River's End Park;
- Nutrient Removal/Retention/Transformation and Production Export - River's End Park;
- Recreation (Consumptive & Non-Consumptive), Educational/Scientific Value, Uniqueness/Heritage, Visual Quality/Aesthetics - River's End Park.

6.0 Determination of Mitigation Credit

The USACE New England District Compensatory Mitigation Guidance document (dated 7/20/2010) page 15 Table 1 contains guidelines regarding the recommended compensatory mitigation ratios for direct permanent impacts (see below). The New Bedford Marine Commerce Terminal proposed mitigation includes restoration/creation of salt marsh, creation of intertidal areas, and enhancement to sub-tidal areas (plus shellfish seeding and the proposed Tern Monitoring Plan). The table provides the following guidance regarding mitigation requirements associated with impacts related to those anticipated associated with the New Bedford Marine Commerce Terminal:

- For impacts to emergent wetlands, where creation is involved, a mitigation ratio of between 2:1 to 3:1 (mitigation to impact) is recommended.
- For impacts to emergent wetlands, where restoration is involved, a mitigation ratio of 2:1 (mitigation to impact) is recommended.
- For open water impacts, the recommended ratio of mitigation is "project specific" for enhancement as mitigation, indicating that there is some latitude in determining the appropriate mitigation for such impacts.

TABLE 1 - RECOMMENDED COMPENSATORY MITIGATION RATIOS FOR DIRECT PERMANENT IMPACTS

Mitigation / Impacts	Restoration[1] (re-establishment)	Creation (establishment)	Enhancement (rehabilitation)	Preservation (protection/ management)
Emergent Wetlands (ac)	2:1	2:1 to 3:1	3:1 to 10:1[2]	15:1
Scrub-shrub Wetlands (ac)	2:1	2:1 to 3:1	3:1 to 10:1[2]	15:1
Forested Wetlands (ac)	2:1 to 3:1	3:1 to 4:1	5:1 to 10:1[2]	15:1
Open Water (ac)	1:1	1:1	project specific[3]	project specific
Submerged Aquatic Vegetation (ac)	5:1	project specific[4]	project specific[5]	N/A
Streams[6] (lf)	2:1[7]	N/A	3:1 to 5:1[8]	10:1 to 15:1[9]
Mudflat (ac)	2:1 to 3:1	2:1 to 3:1	project specific	project specific
***Upland*[10] (ac)**	≥10:1[11]	N/A	project specific	15:1[12]

[1] Assumes no irreversible change has occurred to the hydrology. If there has been such a change, then the corresponding creation ratio should be used.
[2] Based on types of functions enhanced and/or degree of functional enhancement.
[3] Might include planting submerged and/or floating aquatics and/or removal of invasive species.
[4] Rare cases, e.g., removal of uplands, old fill, etc.
[5] E.g., remove pollutant source such as an outfall, remove moorings.
[6] Note that this assumes both banks will be restored/enhanced/protected. If only one bank will be restored/ enhanced/protected, use half the linear foot credit.
[7] E.g., daylighting stream, elimination of concrete channel.
[8] Enhancement of denuded banks and channelized streams = 3:1.
Enhancement of denuded banks when there is a natural channel = 4:1.
Enhancement when there are vegetated banks but the stream has been channelized = 5:1.
[9] Preserving buffer within the 100-foot minimum from channel = 10:1.
Preserving additional buffer 100 to 250 feet from channel = 15:1.
[10] This is when upland is used for wetland mitigation, NOT mitigation for upland impacts, which are not regulated.
[11] Only applies if existing condition is pavement or structure AND should complement aquatic functions.
[12] 100' upland buffer recommended for restoration, creation, and enhancement sites would be credited here.

Intertidal Area Impacts

The proposed intertidal area creation is being provided at a ratio of approximately 2.16 (4.47 acres of mitigation in compensation for 2.07 acres of impact). The new intertidal area is assumed to have the same functions and values as the existing intertidal area at the project location, such that the creation of the mitigation area is anticipated to be suitable to compensate for the functions and values lost at the impact area.

This area will also cap PCB impacted sediment, an enhancement of open water area that would not otherwise be completed. The enhancement is also intended to partially compensate (in coordination capping of PCB impacted sediment associated with the remainder of the OU-3 Hot Spot capping and the Winter Flounder Mitigation Area capping) for the temporary resource area impacts (see below) that will be incurred in association with this project.

Sub-tidal Area Impacts That Are Anticipated to Permanantly Impact Winter Flounder Spawning Habitat

Permanent sub-tidal (i.e. open water) impacts are divided between impacts that are anticipated to impact Winter Flounder spawning and impacts that are not anticipated to impact winter flounder spawning (temporary impacts to Winter Flounder spawning are independent, and are minimized to the extent practicable via the Fish Deterrent Plan, silt curtain use and turbidity monitoring). The proposed creation of Winter Flounder Spawning habitat is being provided at a ratio of approximately 1.93 (22.73 acres of Winter Flounder Spawning habitat creation in compensation for 11.75 acres of Winter Flounder Spawning habitat impact).

The Winter Flounder mitigation area will also cap 22.73 acres of PCB impacted sediment (an enhancement to existing open water habitat). The capping of PCB impacted sediment is also intended to partially compensate (in coordination with the capping of PCB impacted sediment associated with the OU-3 Hot Spot mitigation area) for the temporary resource area impacts (see below) that will be incurred in association with this project.

Subtidal Area Impacts That Are Not Anticipated to Permanantly Impact Winter Flounder Spawning Habitat

Permanent subtidal (i.e. open water) impacts are divided between impacts that are anticipated to impact Winter Flounder spawning and impacts that are not anticipated to impact winter flounder spawning (temporary impacts to Winter Flounder spawning are independent, and are minimized to the extent practicable via the Fish Deterrent Plan, silt curtain use and turbidity monitoring). The proposed enhancement of open water habitat includes the capping of PCBs that would not otherwise be addressed. The proposed enhancement of open water area at the OU-3 Hot Spot capping location is being provided at a ratio of approximately 1.76 (14.91 acres of open water habitat enhancement in compensation for 8.46 acres of open water habitat impact).

The capping of PCB impacted sediment at this location is also intended to partially compensate (in coordination capping of PCB impacted sediment associated with the remainder of the OU-3

Hot Spot capping and the Winter Flounder Mitigation Area capping) for the temporary resource area impacts (see below) that will be incurred in association with this project.

Temporary Dredging Impacts (Not Anticipated to Impact Winter Flounder Spawning Habitat)

Temporary impacts (that are not anticipated to impact Winter Flounder spawning habitat) to existing resource areas are also associated with this project. These impacts will typically result in a short-term disturbance that will create temporary impacts (such as temporary benthic disturbances), but will not substantially change the benthic elevation, and whose benthic environments are anticipated to recover relatively quickly through re-colonization. The temporary impacts will involve removal of at least one foot of surficial material from a dredge area; as this material within New Bedford Harbor is universally impacted with PCBs, it is anticipated that the temporary impacts will be substantially offset by the ecological benefits of removal of PCB impacted sediment from these areas.

The temporary impacts include dredging of 8.76 acres of near-shore, subtidal area to -45 MLLW, filling the area with contaminated sediment and then capping with clean sediment, the dredging of 6.17 acres of near-shore, subtidal area from -4 to -6 MLLW to between -6 and -7 MLLW, dredging of 8.29 acres of subtidal area from between -20 and -29 MLLW to -30 MLLW, and the dredging of 13.26 acres of subtidal area from between -26 and -29 MLLW to -30 MLLW.

However, as additional compensation, portions of the mitigation associated with the capping of PCB impacted sediment associated with the OU-3 Hot Spot capping and the Winter Flounder Mitigation Area capping are intended to also mitigate for the temporary dredging impacts.

Salt Marsh and Freshwater Wetland Area Impacts

Functions and values associated with the 0.11 acres of salt marsh and 0.106 acres of freshwater wetlands that will be lost when they are filled in association with the project will be compensated by creation of approximately 0.88 acres of salt marsh to be created at the Rivers End Park Mitigation Site, located on the Acushnet River, to the north of the Wood Street Bridge in New Bedford, Massachusetts (to the north of the impact area). The ratio for this work will be between 4.07 (ratio of mitigation to impact, which is intended to compensate for any difficulty associated with potential indirect impacts to additional salt marsh which will be located adjacent to the facility.

Shellfish Mitigation

Functions and values associated with the shellfish that will be impacted in association with the filling and dredging associated with the project (anticipated to impact approximately 9,817,121 shellfish, assuming that the full project is completed) will be mitigated for with the seeding of approximately 24,542,802 million shellfish seed, which is proposed assuming a 40% survival rate due to predation (a 2.5 ratio of mitigation to impact). Although not listed in the USACE guidance manual, the 2.5 ratio of mitigation to impact is a generally accepted ratio for seeding to replace impacted shellfish, typically recommended by MassDMF. The actual number of shellfish to be seeded will depend strongly on the extent of the area that is ultimately impacted.

Should the area of impact be reduced, the number of shellfish to be seeded will be reduced in proportion to the estimated number of shellfish within the area that is subsequently not impacted (see **Appendix 3** for the estimated number of shellfish within each proposed area of impact). Interagency coordination meetings between MassDMF, NMFS, and EPA will take place to determine the design of the "oyster reef" requested by NMFS; this meeting has not yet taken place. The number of shellfish, the apportionment of species, and the design of the "oyster reef" will be in accordance with the final decisions reached during the interagency coordination meetings and the written agreement that results from those meetings. Further direction regarding methods and location of the "oyster reef" will be generated from the MassDMF Shellfish Planting Guidelines (**Appendix 15**) and the MassDMF Artificial Reef Policy (**Appendix 16**).

Tern Monitoring Program

Although it is not currently anticipated that Common Tern and Roseate Tern habitat will be substantially impacted by completion of the South Terminal CDF project, elements of the proposed project mitigation related to creation of intertidal and shallow water subtidal habitat, in conjunction with the capping of PCB impacted sediment within the OU-3 Hot Spot mitigation area, is intended to compensate for the anticipated minor impacts to tern foraging habitat that are anticipated to be extremely minor, if they exist at all. Therefore, there is no accepted mitigation ratio with which to assess the credit due for the Tern Monitoring Program, but the Massachusetts Natural Heritage and Endangered Species program has expressed confidence that this program will assist in tern monitoring in the Commonwealth, which will help to assist in caring for the species. Additionally, it is the Commonwealth's understanding that the US Fish and Wildlife Service has similarly accepted that impacts to tern foraging would be extremely minimal (if they exist at all), and therefore, the Tern Monitoring Program would represent suitable compensation.

Fish Deterrent Plan

As a part of minimizing the temporary impacts to finfish resources, during potential resource sensitive periods, a Fish Deterrent Plan (submitted under separate cover to EPA on October 17, 2012) will be implemented to discourage fish species from entering the work zone. The Fish Deterrent Plan details means and methods for; physical site controls to minimize access to the work area, monitoring of the physical controls and their efficacy, and active resource clearing techniques for safe removal of resources from the work area. There is no accepted mitigation ratio with which to assess the credit due for the Fish Deterrent Plan.

7.0 Mitigation Work Plan

7.1 Overall Sequence of Construction Activity

The implementation of construction of the proposed mitigation measures will involve multiple steps, and will be dependent upon the methodology utilized by the Contractor; in some cases, the construction methodology will be integrated with the construction of the New Bedford Marine Commerce Terminal (for the Winter Flounder Mitigation Area and for the OU-3 Capping Area), whereas in other locations (the River's End Park Mitigation Area, Shellfish Mitigation, and Tern

Monitoring Plan), the sequence of completion will not be related. The following is an estimate of the approximate sequence of construction for the development of the site:

For the OU-3 Capping Area and the Winter Flounder Mitigation Area, the following is an overview of the sequencing for the full construction project, that indicates the time and location at which these two mitigation projects would be completed:

- Mobilize to the site;
- Install perimeter and interior erosion and sedimentation controls.
- Grub and clear site vegetation;
- Construct dredge material handling and dewatering areas using earth berms sized to contain all stormwater inside without any uncontrolled runoff, if necessary.
- Install additional sedimentation basins and traps for treatment of stormwater from dredge material handling and dewatering areas, if necessary.
- Install additional temporary stormwater basins for sediment control for the remainder of the project areas, as necessary.
- Construct CAD Cell. Utilize a portion of the suitable Bottom of CAD Cell material to construct some of the Winter Flounder Mitigation Area (the remainder will be disposed offshore). See **Appendix 1** for the plans and cross-sections for the Winter Flounder Mitigation Area construction. This will be completed by utilizing bottom dump scows to position material in the area, and deposit it in the area. Bottom dump scows will allow the material to settle into an undulating final surface, which will provide refuge areas for fish utilizing the area.
- Complete navigational dredging of contaminated material (the "Top of Dredge") for the marine terminal. Dredging will be accomplished using water tight buckets, tight bottom barges, sediment curtains, floating booms and other BMPs, as necessary, to control introduction of turbidity into the harbor's waters. Construct OU-3 cap. Material so dredged will be placed into CAD Cell #3.
- Dredge "Intermediate Dredge" material, which is considered not appropriate geotechnically for use with the facility. Parts of this material will be used to cap the Borrow Pit CAD Cell and CAD Cell #1. The remainder will be utilized to construct more of the Winter Flounder Mitigation Area.
- Install sheet pile bulkhead. Bulkheads will be terminated with a tight connection at the shoreline.
- Complete navigational dredging by removing the "Bottom of Dredge" material. This material is more granular than the "Intermediate Dredge" material. This material will be used within the New Bedford Marine Commerce Terminal as fill, and will also be used for the OU-3 Hot Spot Capping and to complete the Winter Flounder Mitigation Area. See **Appendix 1** for the plans and cross-sections for the OU-3 Hot Spot Capping area construction.
- The remainder of the construction of the New Bedford Marine Commerce Terminal would take place independent of mitigation measures being conducted, once the OU-3 Hot Spot Capping Area and the Winter Flounder Mitigation Area were completed.

The following outlines the procedure anticipated to take place in construction of the River's End

Park Mitigation Area:

- Mobilize to the site;
- Install perimeter and interior erosion and sedimentation controls. In particular, ensure that existing resource areas that are not to be impacted by construction are suitably protected by erosion and sedimentation controls;
- Demarcate existing wetland areas onsite (if applicable) to ensure that the construction equipment does not impact existing resource areas;
- Grub and clear site vegetation;
- Excavate material from the work area to grade the area as shown on the plans (see **Appendix 2**). Excavated material will be disposed of offsite at a suitable disposal location.
- Install erosion control measures to stabilize the newly-graded slopes.
- Plant vegetation as shown in plans within **Appendix 2**.

7.2 Mitigation Site Locations

7.2.1 Winter Flounder Spawning Habitat

The winter flounder spawning habitat is located immediately to the north of the Butler Flats Light House. The winter flounder spawning area has been defined by the points depicted on the design plans for the construction project (attached as **Appendix 1**). The georeferenced points outline the perimeter of the mitigation area, which are set out in the table below:

Table 7.1

NORTHING	EASTING	ELEVATION
X=820578.6	Y=2682280.3	Z=-16.0
X=820613.5	Y=2682650.8	Z=-16.0
X=821187.8	Y=2682842.9	Z=-16.0
X=821187.8	Y=2682842.9	Z=-16.0
X=821639.8	Y=2681891.8	Z=-16.0
X=821639.8	Y=2681891.8	Z=-16.0
X=821416.4	Y=2681555.0	Z=-16.0
X=821416.4	Y=2681555.0	Z=-16.0
X=821416.4	Y=2681555.0	Z=-16.0
X=821176.1	Y=2681537.4	Z=-16.0
X=821176.1	Y=2681537.4	Z=-16.0
X=820864.1	Y=2681610.0	Z=-16.0

7.2.2 OU-3 Capping and Enhancement Areas

The OU-3 Capping/ Intertidal/sub-tidal restoration area is located east of Rodney French Blvd and the New Bedford Hurricane Barrier. The area has been defined by the points depicted on

the design plans for the construction project (attached as **Appendix 1**), and the points in the table below:

Table 7.2

NORTHING	EASTING
X=817508.3	Y=2685514.4
X=817651.2	Y=2685651.0
X=817679.8	Y=2685834.0
X=817533.3	Y=2685960.6
X=817371.5	Y=2686138.4
X=817288.5	Y=2686300.3
X=817216.9	Y=2686379.8
X=817247.2	Y=2686547.2
X=817192.2	Y=2686656.5
X=817125.4	Y=2686758.6
X=816710.1	Y=2686932.4
X=816676.7	Y=2686928.7
X=816587.6	Y=2686898.8

7.2.3 Rivers End Park Salt Marsh Restoration

The Salt Marsh Restoration site at Rivers End Park is located North of the Wood Street Bridge and to the east of River Rd and west of the Acushnet and New Bedford border. The restoration area is depicted on the plan prepared by Beals and Thomas and attached as **Appendix 2.**

7.3 Construction Techniques

7.3.1 OU-3 Capping and Enhancement Areas

Construction techniques will vary based upon the type of mitigation being constructed. To complete the OU-3 Hot Spot Capping Area, it is expected that the contractor will place material hydraulically. Material will be generated from construction of the "Bottom of Dredge" area, which is associated with the navigational dredging for the New Bedford Marine Commerce Terminal. The material will either be dredged hydraulically and transported to the mitigation area to be placed hydraulically, or could also be dredging mechanically, and then hydraulically offloaded and placed as shown on the drawings. Where water depths allow, material may be dumped from a shallow draft dump scow. Hydraulic placement of the material would result in a relatively uniform thickness of material to be placed. Particular care will be utilized to ensure that the final grades are met by the contractor, as small variations in elevation could result in significant variations in the size of the OU-3 Hot Spot Capping Area. Short-term settlement of hydraulically placed material will be addressed during the post-construction survey period (contract documents stipulate fill elevation and expectable tolerances associated with filling); long-term settlement (depending upon the severity), which will be observed via yearly surveys of the capped areas, may or may not be addressed, depending on the speed of the resultant re-colonization of the capped area, and the potential impact associated with such action.

7.3.2 Winter Flounder Mitigation Area

Creation of the Winter Flounder Mitigation Area will likely be achieved by a combination of placement of parent material from the construction of CAD Cell #3 and one or more phases of navigational dredging associated with the New Bedford Marine Commerce Terminal. Materials will be most likely be placed via bottom-dump scow. The bottom-dump scow placement would result in fluctuations of the final benthic surface, which will allow for a more complex benthic habitat. The variations will consist of small rises and falls within the finished surface. It is anticipated that these variations would further reduce bottom currents and to act as sheltered areas for fish to hide from predators.

7.3.3 Salt Marsh Restoration at Rivers End Park

The creation of salt marsh as mitigation at Rivers End Park will require regrading the upland area adjacent to the existing salt marsh at the site. This work will require the utilization of standard construction equipment, such as backhoes and excavators. Great care will be taken to protect the existing resources during construction activities. Erosion and sedimentation controls at the site will be placed to minimize the effect on the adjacent resources. The controls will most likely incorporate an erosion control mat (of a biodegradable material, such as coir or jute) and the re-graded slope may utilize one or more erosion control rolls (also made of coir or jute) to help to stabilize the slope temporarily while vegetation establishes itself. Coir or jute netting and erosion control materials typically biodegrade over the course of approximately 3 years. Planting of wetlands plants will foster the permanent stabilization of the area. Invasive species removal will also be completed while re-grading and re-planting occurs. Grading spoils that are impacted will be hauled to the New Bedford Marine Commerce Terminal for reuse or manifested and disposed of at a suitably licensed facility. The completed channel will be planted with high marsh and low marsh plants as shown on the attached **Appendix 2**. Plantings will likely be completed in either the late fall or the early spring in keeping with typical wetland restoration practices.

7.3.4 Timing

Implementation of the Winter Flounder Mitigation Area and the OU-3 Hot Spot Capping Area will take place during the dredging of the main channel to the New Bedford Marine Commerce Terminal or the Construction of CAD Cell#3. The construction of the River's End Park Mitigation Area will likely take place in the early spring or late winter of the season after the EPA Final Determination is issued; it is anticipated that the work can be completed in a relatively short period of time, perhaps 1-2 months. The Shellfish Mitigation will begin within one year of the issuance of the EPA Final Determination and will take place over 12 years. The Tern Monitoring Program will take place over one season, beginning in late April and stretching to late August; the work will take place the first season after the EPA Final Determination is issued.

7.3.5 Winter Flounder Spawning Habitat

Creation of the Winter Flounder spawning area will begin after parent material is either generated first from the construction of CAD Cell #3, and subsequently from "Intermediate

Dredge" and "Bottom of Dredge" materials from the New Bedford Marine Commerce Terminal navigational dredge areas. Dredge material will be loaded into dump scows or split hull barges and positioned at the site. Parent material will be placed in accordance with the plans established for the site. Parent material can be safely transported to the site and placed 24 hours a day, except in extreme marine conditions. Silt curtains will be required at all times around any filling area that is not completely enclosed. Silt curtains will be required around any capping, dredging, or other construction activity of the Contractor within the water between January 15 and June 15 of any year.

7.3.6 OU-3 Hot Spot Capping Area

Capping of the OU-3 Hot Spot Capping Area will begin after parent material is generated from the "Bottom of Dredge" portion of the construction of the New Bedford Marine Commerce Terminal navigational dredge area. Capping of the inter-tidal and subtidal areas immediately outside of the Hurricane Barrier may take up to approximately 3 to 4 months. This time period may vary due to the potential inter-relationships of other portions of construction of the New Bedford Marine Commerce Terminal. Silt curtains will be required at all times around any filling area that is not completely enclosed. Silt curtains will be required around any capping, dredging, or other construction activity of the Contractor within the water between January 15 and June 15 of any year.

7.3.7 Salt Marsh Restoration at Rivers End Park

The construction of the salt marsh at Rivers End Park is independent of the larger New Bedford Marine Commerce Terminal Construction schedule. Construction could begin immediately after the issuance of the EPA Final Determination; however plantings will be restricted to the spring or fall 2013. Therefore, the most likely time for construction is the winter or early spring of the season immediately following the issuance of the EPA Final Determination. It is currently anticipated that, if the EPA Final Determination is issued in the fall of 2012, that the salt marsh restoration will be in place prior to construction of the New Bedford Marine Commerce Terminal is completed.

7.4 Oversight

7.4.1 Winter Flounder Mitigation Area and OU-3 Hot Spot Capping Area

Creation of the Winter Flounder Mitigation Area as well as the OU-3 Hot Spot Capping Area will be closely observed by field personnel. Bathymetric and land surveys (for intertidal locations) will be conducted as necessary both before and after placement of material to confirm that the material has been placed appropriately. Clean-up areas will be designated around the mitigation areas; if material is inadvertently placed outside of the designated areas, it will be removed and replaced in the appropriate area. Vertical tolerances will also be set; should material exceed those vertical tolerances, the material exceeding the vertical tolerance will be removed and re-positioned.

7.4.2 Salt Marsh Restoration at Rivers End Park

Oversight of all construction activities will be conducted under the direction of a Professional Wetland Scientist (PWS) or Professional Engineer. At the time of planting the PWS will evaluated the planting density and suggest plant changes as availability of some species may not be available.

To reduce the immediate threat and minimize the long-term potential of degradation, the species included on the "Invasive and Other Unacceptable Plant Species" list in Table 4 of the US Army Corps of Engineers New England District Mitigation Plan Guidance will not be included as planting stock in the overall project. Only plant materials native and indigenous to the region will be used.

8.0 Maintenance Plan

8.1 Maintenance Plan Overview

Maintenance will be implemented as needed based upon the results of implementation of the monitoring plan outlined in subsequent sections as compared to the Performance Standards as outlined within the following sections. The outcome of the monitoring will indicate whether maintenance is needed at each of the mitigation areas. A "Site Protection Instrument" and "Financial Assurances" to secure the future management, and maintenance of the mitigation areas can be located in Sections 4 and 13, respectively, of this Mitigation Plan. The following sections provide guidance regarding maintenance activities that will be conducted when inspections note that the Performance Standards are not being met, as noted during implementation of the monitoring program:

8.2 Winter Flounder Mitigation Area and OU-3 Hot Spot Capping Area

The monitoring plan describes the requirements of the physical and biological monitoring activities to take place at the site(s). The results of the monitoring will be compared to the Performance Standards to note if any deficiencies exist. The inspections will primarily be driven by bathymetric or land surveys to monitor the final conditions of the mitigation measures. The studies will determine if winnowing or deposition of sediments have adversely affected the created or enhanced resource area.

Following inspections that indicate that winnowing or deposition is taking place, an assessment of the data will be undertaken to determine if conditions warrant action by the Commonwealth, or if either the existing conditions are within reasonably acceptable parameters, or if action by the Commonwealth would benefit or harm the mitigation area.

If the inspections and a final assessment determine activities are required to restore the resource or make alterations of any kind, the Commonwealth, through its financial assurances, will mobilize to the site and make the appropriate alterations to the resource by either placing

additional material or removing accumulated sediment from the sites. After action reports for any activities will be created to detail actions taken and any additional study requirements.

8.3 Rivers End Park Mitigation Area

The monitoring plan describes the requirements of the physical and biological monitoring activities to take place at the site(s). The results of the monitoring will be compared to the Performance Standards to note if any deficiencies exist. Potential deficiencies could include: plant mortality, the presence of invasive species, erosion, or changes in elevations from those in the post-construction surveys.

Following inspections that indicate that any of the above-listed deficiencies is taking place, an assessment of the data will be undertaken to determine if conditions warrant action by the Commonwealth, or if either the existing conditions are within reasonably acceptable parameters, or if action by the Commonwealth would benefit or harm the mitigation area. This assessment will be undertaken in consultation with EPA. If a Performance Standard is not being met, it is very likely that corrective actions will be required.

If the Commonwealth elects to take action to remedy the noted deficiency, a solution will be implemented. At a minimum invasive species found within the areas will be removed. The entire area will also be inspected for excessive erosion or siltation. If plants are found to be dead or stressed, they will be replaced. If the erosion control blankets (which may be used with discretion to stabilize planting areas within the marsh restoration area) are found to have been torn or show evidence of tears, such that the stability of the mitigation area could be compromised, the erosion control blankets may be replaced. If jute or coir rolls are utilized to stabilize slopes at the mitigation location, and are noted to be out of place or other slope stabilization measures become dislodged, additional tie-downs will be added to secure the slope stabilization measures. If excessive erosion or siltation is noted, and the erosion is compromising the integrity of the mitigation measure, grades within the area will be restored to match the final elevations. The coir rolls or other slope stabilization measures will be replaced or repaired if plant growth has not been well established before the coir roll has decayed.

8.4 After Action Reports

The results of the maintenance activities will be documented in annual reports that will be submitted to USEPA by December 15th of each year following the completion of the first maintenance activity.

9.0 Performance Standards

The intent of the mitigation activities being performed for the Project are to offset unavoidable permanent impacts to the resources of the area caused by the construction of the Facility. Accordingly, the Performance Standards provide measureable standards by which to judge the success of the mitigation measures employed. The Performance Standards presented in the sections below describe the criteria to be used as goals for successful mitigation: Salt Marsh and

Jurisdictional Wetland Mitigation; Winter Flounder Mitigation; Intertidal and Sub-tidal Mitigation; Shellfish Mitigation; and Shorebird Monitoring.

Salt Marsh and Jurisdictional Wetland Mitigation – Rivers End Park Salt Marsh Creation

The mitigation activities to be undertaken to offset impacts to salt marsh and jurisdictional upland wetlands include the creation of new salt marsh and wetland habitat at the Rivers End Park located on the Acushnet River near the north end of New Bedford. The following criteria will be utilized to measure the success of the prescribed mitigation:

Performance Category	Performance Component	Performance Standard (PS)	Performance Period	Monitoring Frequency	Remedial Action if PS Failure
Physical Parameters	Size of Area – (Erosion Minimization)	Mitigation Area retains 90% of its land area over time.	5 - years	Monthly April through October for 1st 3-years, thereafter May and September for each successive year.	Evaluate ecological benefit vs. impact of replacing eroded material. If beneficial, conduct remedial action by replacing eroded material and replanting.
	Elevation of Planted Area – (Subsidence and Accretion Minimization)	Mitigation Area retains design elevation within tolerance of 1 foot	5 - years	Monthly April through October for 1st 3-years, thereafter May and September for each successive year.	Evaluate ecological benefit vs. impact of filling or cutting. If beneficial, conduct remedial action by re-establishing grade within the stated tolerance.
	Channeling (Erosion Minimization)	No channeling (No erosion channels)	5 - years	Monthly April through October for 1st 3-years, thereafter May and September for each successive year.	Evaluate ecological benefit vs. impact of filling in channels. If beneficial, conduct remedial action by filling channels and re-seeding and fertilizing.
Ecological Parameters	Salt Marsh and Wetland planting survival	Maintain $\geq$ 80% Survival within the planted plots.	5 - years		Re-seed and/or fertilize as appropriate areas of thinned plantings.
	Invasive Species Control	No invasive species.	5 - years	Monthly April through October for 1st	Remove invasive species.

				3-years, thereafter May and September for each successive year.	

Winter Flounder Mitigation – Winter Flounder Mitigation Area

The activities associated with creating the Winter Flounder Mitigation Area involve the placement of sediment in a portion of outer New Bedford Harbor to decrease the water depth to within the ideal spawning depth range for Winter Flounder (less than -16.4 feet MLLW). The following criteria will be utilized to measure the success of the prescribed mitigation:

Performance Category	Performance Component	Performance Standard (PS)	Performance Period	Monitoring Frequency	Remedial Action if PS Failure
Physical Parameters	Size of Area – (Erosion Minimization)	Mitigation Area retains 90% of its area over time.	5- years	Annually (Bathymetric Surveys)	Evaluate ecological benefit vs. impact of replacing eroded material. If beneficial, conduct remedial action by replacing eroded material around edges of area.
	Elevation of Habitat Replication Area – (Subsidence, Erosion and Accretion Minimization)	Mitigation Area retains elevation range of -14.76 to -18.04 MLLW over 90% of its total area.	5 - years	Annually (Bathymetric Surveys)	Evaluate ecological benefit vs. impact of filling or cutting. If beneficial, conduct remedial action by re-establishing grade within the tolerance.
Ecological Parameters	Flounder Egg Survey (Pilot Study)	Mitigation Area is acceptable or advantageous habitat for Winter Flounder spawning.	3 - years	Weekly during early spawning season (January 15 – March 30) and then twice per month through May (Egg Survey).	Report findings to IRT for possible additional study or adaptive management.
	Research	Submit Monitoring Report to EPA and resource	Within 3 months of completion of surveys.	N/A	Complete report.

		agencies annually.			

Intertidal and Sub-tidal Mitigation – OU-3 Capping Area

The mitigation activities to be undertaken to offset Intertidal and (non-flounder) Sub-tidal impacts include the creation of new intertidal and sub-tidal habitat area adjacent to the OU-3 Pilot Capping Area in New Bedford's outer harbor. The measures to be implemented include the placement of dredge materials in the shallow water between the hurricane barrier and the existing OU-3 Pilot Cap. Because the monitoring that EPA has conducted at the previously constructed OU-3 Pilot Cap area has shown that native species are successfully repopulating the capped area, it is expected that the OU-3 cap expansion proposed under the mitigation plan for this project will repopulate with similar success. Accordingly, the performance standards for this mitigation activity are focused on ensuring that the physical requirements of the mitigation are met. The following criteria will be utilized to measure the success of the prescribed mitigation:

Performance Category	Performance Component	Performance Standard (PS)	Performance Period	Monitoring Frequency	Remedial Action if PS Failure
Physical Parameters	Size of Area – (Erosion Minimization)	Mitigation Area retains 90% of its area over time.	5- years	Annually (Bathymetric/ Topographic Surveys)	Evaluate ecological benefit vs. impact of replacing eroded material. If beneficial, conduct remedial action by replacing eroded material around edges of area.
	Elevation of Habitat Replication Area – (Subsidence, Erosion and Accretion Minimization)	Mitigation Area retains as-built elevation range within tolerance of +/-1 feet over 90% of its total area.	5 - years	Annually (Bathymetric/ Topographic Surveys)	Evaluate ecological benefit vs. impact of filling or cutting. If beneficial, conduct remedial action by re-establishing grade within the tolerance.

Shellfish Mitigation (Seeding)

The activities associated with mitigating impacts to shellfish involve the placement of quohog (no less than 80% of stock) and oyster (up to 20% of stock) seed in areas outside the New Bedford Harbor hurricane dike. A survivability ratio of seed stock from seedling to maturity is anticipated to be approximately 40%. The intent of the mitigation is to replace shellfish stock through seeding. The following criteria will be utilized to measure the success of the prescribed mitigation:

Performance Category	Performance Component	Performance Standard (PS)	Performance Period	Monitoring Frequency	Remedial Action if PS Failure
Ecological Parameters	Survival (Quohogs)	Maturity rate of > 40%	10- years (or duration of seeding program)	N/A	Review seed stock and evaluate methods for increasing survival rates (grow out to larger size, seed over larger area, etc).
	Survival (Oysters)	Maturity rate of > 40%	10 – years (or duration of seeding program)	N/A	Review seed stock and evaluate methods for increasing survival rates (grow out to larger size, seed over larger area, increase density of seed in reef, etc).
	Survival (both species)	Closure of seed areas to shell-fishing for a period of 3 years after seeding.	10 – years (or duration of seeding program)	Regular monitoring of shell-fishing in seed areas by State and City Environmental law Enforcement for poaching in closed areas.	Enforcement action (fines and ejection of poachers) during closure period.

Tern Monitoring

The activities associated with Tern Monitoring involve weekly ornithological surveys to inform resource agencies as to the presence or absence of terns in the project area. Presently, there is no information to indicate that terns are present north of the New Bedford Hurricane Barrier, within close proximity to the project site; however, terns have been observed outside of the New Bedford Hurricane Barrier. Tern monitoring will be conducted in order to validate that thesis. The following criteria will be utilized to measure the success of the prescribed mitigation:

Performance Category	Performance Component	Performance Standard (PS)	Performance Period	Monitoring Frequency	Remedial Action if PS Failure
Ecological Parameters	Tern Presence	Observe presence or absence of terns.	One year – 1 May through July 15	Weekly (observation surveys)	N/A
	Research	Submit Monitoring Report to	Within 3 months of completion	N/A	Complete report.

		resource agencies.	of surveys.		

10.0 Monitoring Requirements

Monitoring will be implemented in order to assess whether the Performance Standards listed in the previous section are being met. Inspections will be performed as outlined below and at the frequencies outlined below. The following monitoring activities will be performed in their respective areas:

10.1 River's End Park Mitigation Area

River's End Park will be monitored for the first five years of its existence by the Permittee. During the first three years, seven monthly inspections will occur from April to October. During years four and five of monitoring inspections will occur twice per year in May and September. Monitoring will include determination as to whether any major physical issues are present, which include erosion, failure of slopes, or failure of erosion protection materials. Monitoring will also include inspections for invasive species (see **Appendix 12**) and inspections of the species diversity and health of the plantings. Each year an annual report as specified in the above sections will be completed.

10.2 OU-3 Hot Spot Area

Operable Unit #3 will be monitored by completing annual bathymetric and land surveys of the area using United States Army Corps of Engineers: Engineering and Design Hydrographic Surveying Manual, EM 1110-2-1003.

10.3 Tern Survey

Other than completion of the one-season Tern Monitoring Program, monitoring associated with the Tern Monitoring Program is not anticipated in association with this project.

10.4 Shellfish Survey

Monitoring will be conducted in coordination with MassDMF's typical monitoring activities to assess the health of the shellfish population, and within its role to manage the shellfish population of the Commonwealth sustainably.

As deemed to be necessary, periodic quadrat counting for shellfish density may be completed, in order to determine more accurate levels of shellfish predation, in order to determine if the 40% survival assumption is correct, and to assess the sustainability of the resource of the long term. At a minimum, this survey will be completed once (within the first seeding area) to confirm that the shellfish mitigation is proceeding as planned. If this program is implemented, the monitoring will be conducted as follows:

- Areas to be seeded will first be cleared of existing shellfish, which will be relayed to another location.
- The location of the area to be measured will be recorded utilizing GPS, and may also be marked in the field with visible benthic markers.
- The area will be seeded at a rate similar to surrounding areas.
- Subsequent to the time within which the area is restricted from shellfishing (anticipated to be between three and six years), the area will be revisited.
- A quadrat survey will be conducted. The area will be raked clean of shellfish, and the number of shellfish will be counted and categorized.
- The number of shellfish will be compared with the number of seed placed within the area at the start of the shellfish restriction period.
- If the number of shellfish found within a particular location is above or below the anticipated level (indicating an increase or decrease in anticipated predation), the seeding level may be adjusted accordingly.

10.5 Winter Flounder Mitigation Area

The Winter Flounder Mitigation Area will be monitored both physically and biologically. It will be monitored by completing annual bathymetric surveys of the area using United States Army Corps of Engineers: Engineering and Design Hydrographic Surveying Manual, EM 1110-2-1003. Additionally, a winter flounder egg survey will be completed to determine success of the mitigation. A hybrid plan has been developed and is included within **Appendix 11**.

10.6 Monitoring Reports

Annual monitoring reports should generally follow a 8-page maximum report format per site. Submission of electronic formats (e.g., pdf) is strongly encouraged. The information required should be framed within the following format.

- Project Overview (maximum 1 page) - Highlighted summary of problems which need immediate attention (e.g., severe invasive species problem, serious erosion, major losses from herbivory, etc.).
- Summary Data (maximum of 2 pages) - Summary data must be provided to substantiate the success and/or potential challenges associated with the compensatory mitigation project. Photo documentation should be provided to support the findings and recommendations, and placed in the Appendix.
  - Address performance standards achievement and/or measures to attain the standards.
  - Describe the monitoring inspections, and provide their dates, that occurred since the last report.
  - Concisely describe adaptive actions done during the monitoring year to meet the performance or success standards – actions such as removing debris, replanting, controlling invasive plant species (with biological, herbicidal, or mechanical methods), re-grading the site, applying additional topsoil or soil amendments, etc. Also describe any other adaptive actions done at each site.

- Report the status of all erosion control measures on the compensation site(s). Are they in place and functioning? If temporary measures are no longer needed, have they been removed?
- Give visual estimates of:
  (1) percent vegetative cover for each mitigation site, and
  (2) percent cover of the invasive species in each mitigation site.
- What fish and wildlife use the site(s) and what do they use it for (nesting, feeding, shelter, etc.)?
- By species planted, describe the general health and vigor of the surviving plants, the prognosis for their future survival, and a diagnosis of the cause(s) of morbidity or mortality.

- Maps/Plans (maximum of 3 pages)
  - Maps must be provided to show the location of the compensatory mitigation site relative to other landscape features, habitat types, locations of photographic reference points, transects, sampling data points, and/or other features pertinent to the mitigation plan.
  - In addition, the submitted maps/plans must clearly delineate the mitigation site boundaries to assist in proper locations for subsequent site visits.
  - Each map or diagram must fit on a standard 8 ½ x 11" piece of paper and include a legend, bar scale, and the location of any photos submitted for review.
- Conclusions (1 page)
  - A general statement must be included describing the conditions of the compensatory mitigation project. If performance or success standards are not being met, a brief discussion of the difficulties and potential remedial actions proposed by the permittee, including a timetable, must be provided.
- Monitoring Report Appendices
  - Appendix A -- An as-built plan showing any inlet/outlet structures and the location and extent of the designed plant community types (e.g., shrub swamp). Within each community type the plan shall show the species planted—but it is not necessary to illustrate the precise location of each individual plant. There should also be a soil profile description and the actual measured organic content of the topsoil in the first monitoring report unless there is grading or soil modifications or additional plantings of different species in subsequent years.
  - Appendix B – A vegetative species list of volunteers in each plant community type. The volunteer species list should, at a minimum, include those that cover at least5% of their vegetative layer.
  - Appendix C -- Representative photos of each mitigation site taken from the same locations for each monitoring event. Photos should be dated and clearly labeled with the direction from which the photo was taken. The photo sites must also be identified on the appropriate maps.

11.0 Long Term Management Plan (LTMP)

11.1 LTMP Overview

A long term management program will be implemented in order to inspect, assess, and manage the condition and effectiveness of the proposed mitigation. The Commonwealth will be responsible for long term management for each mitigation project. The management plan will consist of monitoring (as outlined in the previous section), assessment of the results of monitoring, and management (if necessary) to ensure the long-term performance of the proposed mitigation. A "Site Protection Instrument" and "Financial Assurances" to secure the future management of the mitigation areas can be located in Sections 4 and 13, respectively, of this Mitigation Plan. The following sections provide guidance regarding management activities that will be conducted to confirm success of planned mitigation efforts:

11.2 Winter Flounder Mitigation Area and OU-3 Hot Spot Capping Area

Mechanical Monitoring (Winter Flounder Spawning Habitat and Intertidal and Sub-Tidal Areas Outside Hurricane Barrier)
In order to monitor that capping material has remained in place, a detailed bathymetric survey of the Winter Flounder Mitigation Area and OU-3 Hot Spot Capping area outside of the Hurricane Barrier will be conducted annually for the first five years after construction to confirm that material placed within these areas has not inadvertently moved to another area, and that excessive erosion is not taking place. Yearly bathymetric data will be compared to the post cap placement survey to assess migration of capping material away from the designated area.

Biological Monitoring (Winter Flounder Spawning Habitat Only)
In order to judge the effectiveness associated with Winter Flounder Spawning Habitat creation area, we have consulted with academic researchers Professor Steve Cadrin and Professor Kevin Stokesbury of the University of Massachusetts Dartmouth's School for Marine Science and Technology (SMAST). The two professors have formed a joint academic team with relevant professionals drawn from both SMAST and the Woods Hole Oceanographic Institute (WHOI), to create a team with broad-based experience that will effectively investigate the potential impact of the proposed mitigation measure. As needed, individual members of this team will be utilized to both collect and analyze relevant data over the period of this study.

The initial proposal, which currently focuses on the resources available to SMAST, involves collecting data prior to mitigation being completed, in order to establish background or "baseline" conditions prior to mitigation. The proposal includes a plan to quickly initiate baseline sampling and to develop a conceptual design for long-term monitoring, with the goal of evaluating the effectiveness of the mitigation plan for winter flounder spawning habitat.

The analytical design involves before-after/control-impact sampling and statistical comparisons. Egg sampling will be conducted by using an epibenthic sled to test for the presence of winter flounder eggs in both the mitigation site and adjacent control sites. The sled will be dragged behind a marine vessel, and is intended to capture demersal Winter Flounder eggs along the bottom of the harbor (if present). A control site was defined that is adjacent to the habitat

mitigation site north of Butler Flats, with the same area and similar bathymetry as the habitat mitigation site. An additional control site is located in shallower habitat (more likely to be Winter Flounder habitat) across the Federal Channel from the mitigation site. Baseline sampling (before the mitigation plan begins) of the mitigation and control sites is critical for evaluating effectiveness of the plan.

A hybrid bi-weekly/weekly baseline sampling protocol will be utilized (with weekly sampling being conducted early in the spawning season, and bi-weekly later in the season). Both baseline sampling and long-term sampling will involve surveys of winter flounder eggs in the mitigation and control sites.

For sampling methodology, SMAST plans to follow the protocols that Scultz et al. (2007) used to sample winter flounder eggs in New Haven and Milford Harbors. The epibenthic sled will be towed in a straight line, into the direction of the prevailing current. The sled will be towed on the bottom at a speed of approximately 2 knots, for 4-5 minutes. Towing the net in a straight line will ensure that it maintains solid contact with the bottom throughout the tow. During each tow, approximately 800'-1000' of the area will be sampled by the sled. The tow duration is limited, due to the small size of the study area. SMAST plans to conduct 4 standard tows each in the mitigation site and the control sites during each sampling event. Following each tow, the contents of the net will be rinsed into the collection jar at the end of the net, and preserved in a labeled 500mL bottle with 10% formalin for subsequent analysis.

Long-term monitoring will be similar in scope to the baseline sampling, and that statistical analysis of baseline and long-term monitoring data will test for increased presence of winter flounder eggs in the mitigation area. The long-term monitoring is currently anticipated to take place for three Winter Flounder spawning seasons, to begin at the beginning of the first Winter Flounder spawning season after construction of the Winter Flounder Mitigation Area is complete.

The relevant personnel associated with the project (some of which may be very actively involved in the project and others of which may or may not):

- Professor Kevin Stokesbury, Associate Professor, Chair of the Department of Fisheries Oceanography, University of Massachusetts Dartmouth, School for Marine Science and Technology.
- Professor Steve Cadrin – Associate Professor, Department of Fisheries Oceanography, University of Massachusetts Dartmouth, School for Marine Science and Technology and.
- Professor John Stegeman – Senior Scientist at the Woods Hole Oceanographic Institute; and
- Professor Mark Hahn – Senior Scientist at the Woods Hole Oceanographic Institute.

A copy of the SMAST Baseline Proposal is attached as **Appendix 11**. Please note that biological monitoring program is being completed for the Winter Flounder Mitigation Area only.

11.3 Rivers End Park Mitigation Area

The Rivers End Park mitigation area will be inspected on a monthly basis during the period from April through October for the first 3 years after construction. Subsequent to the first 3 years, the mitigation areas will be inspected in May and September of each year for an additional 2 years.

Inspections will be completed by a wetland scientist. The wetland scientist will monitor and document the presence and species diversity of plants that have been installed at the site, and will monitor for the presence of invasive species. The wetland scientist will hand pull invasive species as necessary and will evaluate other control methods, if necessary. A more thorough invasive species monitoring plan is attached as **Appendix 12**.

All impacts to the mitigation measure will first be evaluated prior to any remedial action is completed. The primary goal will be the success of the mitigation measure, and if remedial action is more likely to compromise the success of the mitigation measure (rather than to assist in the success of the mitigation measure) then the mitigation measure may not be completed. However, it the mitigation measure is crucial to achieve success, the remedial measure will be completed. In all cases, multiple potential solutions to the problem will be evaluated, and the solution that impacts the success of the mitigation measure the least will be selected.

The general health of the plants within the marsh area shall be determined during each inspection. Invasive species found within the areas will be removed. The entire area will also be inspected for excessive erosion or siltation. If plants are found to be dead or stressed, they will be replaced. If the erosion control blankets (which may be used with discretion to stabilize planting areas within the marsh restoration area) are found to have been torn or show evidence of tears, such that the stability of the mitigation area could be compromised, the erosion control blankets may be replaced. If jute or coir rolls are utilized to stabilize slopes at the mitigation location, and are noted to be out of place or other slope stabilization measures become dislodged, additional tie-downs will be added to secure the slope stabilization measures. If excessive erosion or siltation is noted, and the erosion is compromising the integrity of the mitigation measure, grades within the area will be restored to match the final elevations. The coir rolls or other slope stabilization measures will be replaced or repaired if plant growth has not been well established before the coir roll has decayed.

11.4 Shellfish Mitigation

The shellfish seeding aspect of this project is forecast the longest date into the future, at an end projected 10 -15 years from the start of the NBMCT project. The project proposes seeding up to approximately 24,542,803 shellfish, based on a 40% survivability assumption, and dependent upon the total number of shellfish impacted, over a ten to fifteen year period. Portions of the 1,500 acre area within New Bedford waters listed in **Figure 3** as “Conditionally Approved for Shellfishing” will be seeded annually in succession from seeding within a portion of Area 1 the first year to successive areas in each following year (seeding a portion of Area 2 in year 2 and so on). Each year, up to 2,000,000 shellfish (depending on the productivity of the MassDMF nursery), will be seeded. This 24.5 million shellfish over the ten year period accounts for

estimated predation and longevity values, to reach mitigation requirements, therefore monitoring of survival rates will not be necessary.

Periodic quadrat counting for shellfish density may be completed, in order to determine more accurate levels of shellfish predation, in order to determine if the 40% survival assumption is correct, and to assess the sustainability of the resource of the long term. At a minimum, this survey will be completed once (within the first seeding area) to confirm that the shellfish mitigation is proceeding as planned. When this program is implemented, the monitoring will be conducted as follows:

- Areas to be seeded will first be cleared of existing shellfish, which will be relayed to another location.
- The location of the area to be measured will be recorded utilizing GPS, and may also be marked in the field with visible benthic markers.
- The area will be seeded at a rate similar to surrounding areas.
- Subsequent to the time within which the area is restricted from shellfishing (anticipated to be between a maximum of three), the area will be revisited.
- A quadrat survey will be conducted. The area will be raked clean of shellfish, and the number of shellfish will be counted and categorized.
- The number of shellfish will be compared with the number of seed placed within the area at the start of the shellfish restriction period.
- If the number of shellfish found within a particular location is above or below the anticipated level (indicating an increase or decrease in anticipated predation), the seeding level may be adjusted accordingly.

11.5 Management Reports

The results of the monitoring, assessment and management activities will be documented in annual reports that will be submitted to USEPA by December 15th of each year following the completion of the first growing season subsequent to planting. Monitoring reports will be consistent with the "New England Compensatory Mitigation Guidance" document dated July 20, 2010 as well as 40 CFR Part 230, Compensatory Mitigation for Losses of Aquatic Resources: Final Rule dated April, 10, 2008, which is attached at **Appendix 4**.

12.0 Adaptive Management Plan

There are a multitude of potential events that are difficult to plan for, and whose implications are wholly unknown at this time, which may result in deleterious impacts to the proposed mitigation measures. Although the full implication of these events cannot be known at this time, the following section presents a set of procedures that may be implemented such that the implications may be inspected and assessed, such that the feasibility of action may be contemplated, and, if action is determined to be the best course of action, it will be taken. In the event of unforeseeable events that could take place in association with the proposed mitigation areas, there are a multitude of steps to take to resume control of the site and move forward with the project as a whole. This adaptive management plan will cover three main phases:

- Events covered by the plan
- Methods for Inspection and Assessment
- Corrective Action.

12.1 Events Covered By the Plan

This plan is intended to cover unforeseen events. Such unforeseen events could include catastrophic events, such as sabotage or vandalism, earthquake, fire, plant community failure of unknown origin, insect damage, hurricanes, tornados, flooding, or similar natural disasters. There is a possibility as well that the mitigation plan, as designed, fails. Actions in accordance with the next section review the methods for inspection and assessment that are authorized to determine if corrective action is necessary and/or warranted. However, full correction to original conditions may not be necessary in order to continue the success of the mitigation project. Instead, minor corrective actions may allow for continued success of the project.

12.2 Methods for Inspection and Assessment

Although by definition unlikely, unforeseen events contain the potential for continued or perhaps increased success of a mitigation project. Preparation for such events is paramount to success. Although the exact details of any particular impact or failure may be extremely difficult to predict, a measured and regimented plan may be put into place to be able to respond to any unforeseen event. The following list indicates the procedure for responding to the mitigation measure subsequent to an unforeseeable event:

- Determine (as best as possible) the safety of the surroundings. Do not enter an unsafe area. Some initial assessment items may include, fallen power lines, fallen trees, slope instability, or rising water levels that could trap an inspector;
- Inspect the site for damages. Document the results of the event. Determine the methodology for failure (i.e. excessive erosion, plant death, slope failure);
- Remove debris and/or foreign matter from the area where possible;
- Determine if temporary or permanent bench marks utilized during construction of the mitigation measure are intact and are currently correct or if new benchmarks need to be set. Set as necessary;
- Complete appropriate land or marine based elevation surveys to confirm new site elevations and conditions. Conduct a comparison of existing elevations to post-construction elevations;
- Conduct an assessment of the existing conditions. Have conditions changed dramatically? Are the current conditions suitable to meet the original goals of the mitigation measure?
- Produce a list of potential remedies. Assess the potential impact and benefit of each remedy to determine if the net benefit will outweigh the potential impact.
- Select the correct remedy that will have the greatest benefit. Keep in mind that the remedy that has the greatest benefit may be the “do nothing” option if the remedy will provide a higher impact to existing resources than a benefit to future resources.
- Consult with EPA and all appropriate regulatory agencies to determine any other safety, or construction practices that will be necessary moving forward for the selected remedy.

12.3 Corrective Action

Corrective action will be completed in accordance with any plan that is formulated in accordance with the list of methods for inspection and assessment listed in the previous section. A corrective action plan will be prepared to cover the proposed alteration to the mitigation area, if warranted. The corrective action plan will outline the unforeseen condition, the inspection actions that were completed, and the assessment that led to the selected corrective action. In addition, this corrective action plan will include existing conditions plans and proposed conditions plans to outline the corrective action that is necessary. The corrective action plan will be submitted to EPA for review and approval prior to implementation.

13.0 Financial Assurances

The broad scope and extended term (up to 15 years for shellfish mitigation and in perpetuity for saltmarsh restoration) of this mitigation plan require a significant financial and resource commitment. The Commonwealth proposes to make available financial instruments to ensure that funding is available to properly implement the mitigation efforts making them successful and permanent. The following section describes the anticipated level of effort and costs associated with the implementation, monitoring, maintenance, and restoration of the various mitigation projects discussed within this plan. The costs included in this section form the basis for the values to be included in the financial instruments proposed as assurance that the mitigation plan will be completed as approved.

13.1 River's End Park Salt Marsh Restoration

The River's End Park Salt Marsh Restoration requires both short and long term commitments from the Commonwealth and the City of New Bedford. The Project provides mitigation for the loss of protected wetland resources which are to be unavoidably impacted by the construction of the NBMCT, and enhances an existing city park. The Commonwealth is committing to recreating the resources lost at the NBMCT site, and ensuring that the proposed mitigation is successfully implemented during the performance period, while the City will be providing long term care and protection of the property and the resource values.

To ensure the completion of this mitigation project The Commonwealth is proposing to provide a Construction and Performance Security as detailed below. Furthermore, in order to provide for the long term protection of the created resources, the Commonwealth proposes to provide an endowment to provide a continuous funding source to the City ensuring that future maintenance costs for the inspection and removal of invasive species is available for the created resource. The anticipated costs for construction and maintenance during the performance period, as well as the annual costs anticipated to be expended by the City are shown below.
Securities:

Event	Annual Cost	No. Years	Total Security Amount
Construction	$250,000	1	$250,000
Performance Period Maintenance	$7,500	5	$37,500

Endowment:

Event	Annual Cost*	Expected Annual Yield %	Total Endowment
Long Term Maintenance	$3000	5%	$100,000

*The proposed endowment is anticipated to yield a 5% return on investment, 3% of which will be available for the long term maintenance of the mitigation site, and 2% will be returned to the principal to maintain its value against inflation.

13.2 Winter Flounder Mitigation Area

The Winter Flounder Mitigation Area is integral to the successful completion of the New Bedford Marine Terminal Project from both a resource protection and mitigation stand point as well as constructability stand point. The beneficial reuse of dredged material at the mitigation area means in practical use that the project can be completed at significantly lower cost when performed in conjunction with the construction of the NBMCT. Similarly, the short transit times afforded by the mitigation site for placement of the dredged material offer an expected cost savings for the NBMCT. Because of this mutual benefit, the Commonwealth is incentivized to complete this mitigation project without the need for a secondary financial instrument. Additionally, the value of the security required to cover the cost of constructing the mitigation would need to be in considerable excess to the actual cost of construction if coordinated with the NBMCT. For these reasons, the cost of constructing the Winter Flounder Mitigation Area has been omitted from the proposed financial instruments.

Monitoring of the placed material at the mitigation site, for the five years following the completion of the project, and Annual Surveys for Winter Flounder Eggs for three years following the project, are expected to entail the following estimated costs:

Monitoring Event	Annual Cost	No. Years	Total
Annual Bathymetric Surveys (1 day)	$4,340	5	$21,700
Annual Winter Flounder Egg Surveys	$43,140	3	$129,420
Total Cost			**$151,120**

The Commonwealth proposes to include the costs for these surveys in a Performance Security as discussed in the performance security section below.

13.3 Capping of OU-3 Hot Spot

The OU-3 Hot Spot provides similar benefits to the NBMCT project as the Winter Flounder Mitigation Area. The dredged material generated during dredging of the navigational areas of NBMCT require a placement area, and the material has not been permitted for upland disposal (which is prohibitively expensive) nor for offshore disposal, which would require the authority of both the EPA and the USACE. As a result the permitting of the OU-3 Capping Mitigation Area is required for the construction of the NBMCT, and any alternative would need the regulatory approval of the EPA and USACE. As discussed in the Winter Flounder Mitigation Area above, an estimate to construct the OU-3 Capping Mitigation Area without a coincident local dredging project to provide material to be beneficially reused would be unrealistically inflated. As a result of these existing construction and permitting constraints, the cost of construction of the OU-3 cap has been omitted from the proposed financial assurances.

Monitoring of the proposed cap at the mitigation site for the five years following completion is expected to entail the following costs:

Monitoring Event	Annual Cost	No. Years	Total
Annual Bathymetric Surveys (2 days)	$8,680	5	$43,400
Total Cost			**$43,400**

The Commonwealth is proposing to include these costs in a Performance Security as described in the performance security section below:

13.4 Shellfish Mitigation (Seeding)

The Shellfish Mitigation plan discussed in Section 3 details a proposed methodology for the generation and placement of seed stock within the City of New Bedford's conditionally approved shell fish beds. Discussions with the Massachusetts Division of Marine Fisheries (DMF) and the City of New Bedford have provided guidance as to the locations, availability and costs of staff and resources for the successful implementation of the proposed plan. The DMF has estimated the cost of raising and delivery of 2,000,000 seed quahogs at $75,000. The City has committed to providing the labor and equipment at its own cost to disperse the seed stock received from the DMF. With these commitments in place, the Commonwealth is proposing to provide an endowment, as detailed below, to cover the costs of seed generation, as estimated by the DMF, over the course of the expected 12 year seeding project time span.

Event	Annual Cost	No. Years	Total
Annual Quahog and Shellfish Seed Production	$75,000	12	$900,000
Total Cost			**$900,000**

13.5 Tern Monitoring Program

The planned Tern Monitoring Program to be conducted in the Spring and Summer of 2013. The monitoring is a series of events which will take place concurrent with the project and tern nesting season. The survey will cover the Tern nesting season, as discussed in Section 3 above, and will provide weekly surveys of the area around New Bedford Harbor. The cost of conducting the weekly surveys and report generation has been estimated at $60,000, which the Commonwealth proposes to include in the Performance Security as detailed below.

Monitoring Event	Annual Cost	No. Years	Total
Tern Surveys	$60,000	1	$60,000
Total Cost			**$60,000**

13.6 Construction Security

To ensure the mitigation projects are completed as proposed in this plan the Commonwealth proposes to provide a Construction Security in the amount of 100% of the estimate to construct the proposed mitigation at River's End Park in accordance with the Mitigation Plan. The Construction Security shall be in the form of an irrevocable standby letter of credit. The letter of credit shall ensure that the full amount of the Construction Security shall remain in effect throughout the performance of construction and planting to create the Habitat on the Property in accordance with the Mitigation Plan. *Provided, however*, that if all such construction and planting is completed in accordance with the Mitigation Plan prior to the date on which the letter of credit would otherwise be required to furnish the Construction Security then no Construction Security shall be required.

13.7 Performance Security

Concurrent with the Transfer of the first Credit, the Commonwealth shall furnish to the SER Committee, a Performance Security in the amount equal to the value stated in the table in this section. The Performance Security shall be in the form of an irrevocable standby letter of credit. The Commonwealth shall ensure that the full amount of the Performance Security shall remain in effect until the SER Committee determines that all of the Performance Standards have been met and all the remaining obligations of the Mitigation Plan have been concluded.
Performance Security Table:

Performance Event	Total
Tern Surveys	$60,000
River's End Park	$37,500
OU-3 Hot Spot Capping	$43,400
Winter Flounder	$151,120
Total Cost	**$292,020**

13.8 Endowment Fund

To ensure the longer term mitigation projects are maintained as proposed in this plan the Commonwealth proposes to provide two separate Endowment Funds. One fund will be created to benefit the City of New Bedford for the long term maintenance and care of the River's End Park Saltmarsh Restoration site. The Second fund will be instituted to benefit the Massachusetts Division of Marine Fisheries ensuring the continued funding of the anticipated 12 year seeding program. The form of the endowment will be as determined by the Commonwealth and the respective beneficiary, but will not provide less than the figures stated in this plan.

Until the Endowment is fully funded, the amount of the Endowment Principal shall be adjusted by the Bank Sponsor annually, on January 2 of each year following the Bank Establishment Date (each such date is referred to as an "Adjustment Date"), by a percentage equal to the percentage increase, if any, in the Consumer Price Index, Boston-Brockton-Nashua, MA-NH-ME-CT (1982-1984 = 100), for All Urban Consumers for Massachusetts (the "CPI"), published by the United States Department of Labor, Bureau of Labor Statistics. Adjustment of the Endowment Principal is the percentage increase of the CPI published most immediately preceding the Adjustment Date, as compared to the CPI published most immediately preceding the date of this SPI. The adjustment shall be applied to the amount of the initial Endowment Principal. The Commonwealth shall notify each member of the SER Committee of each Endowment Deposit made, within 30 days of such deposit.

FIGURE 1

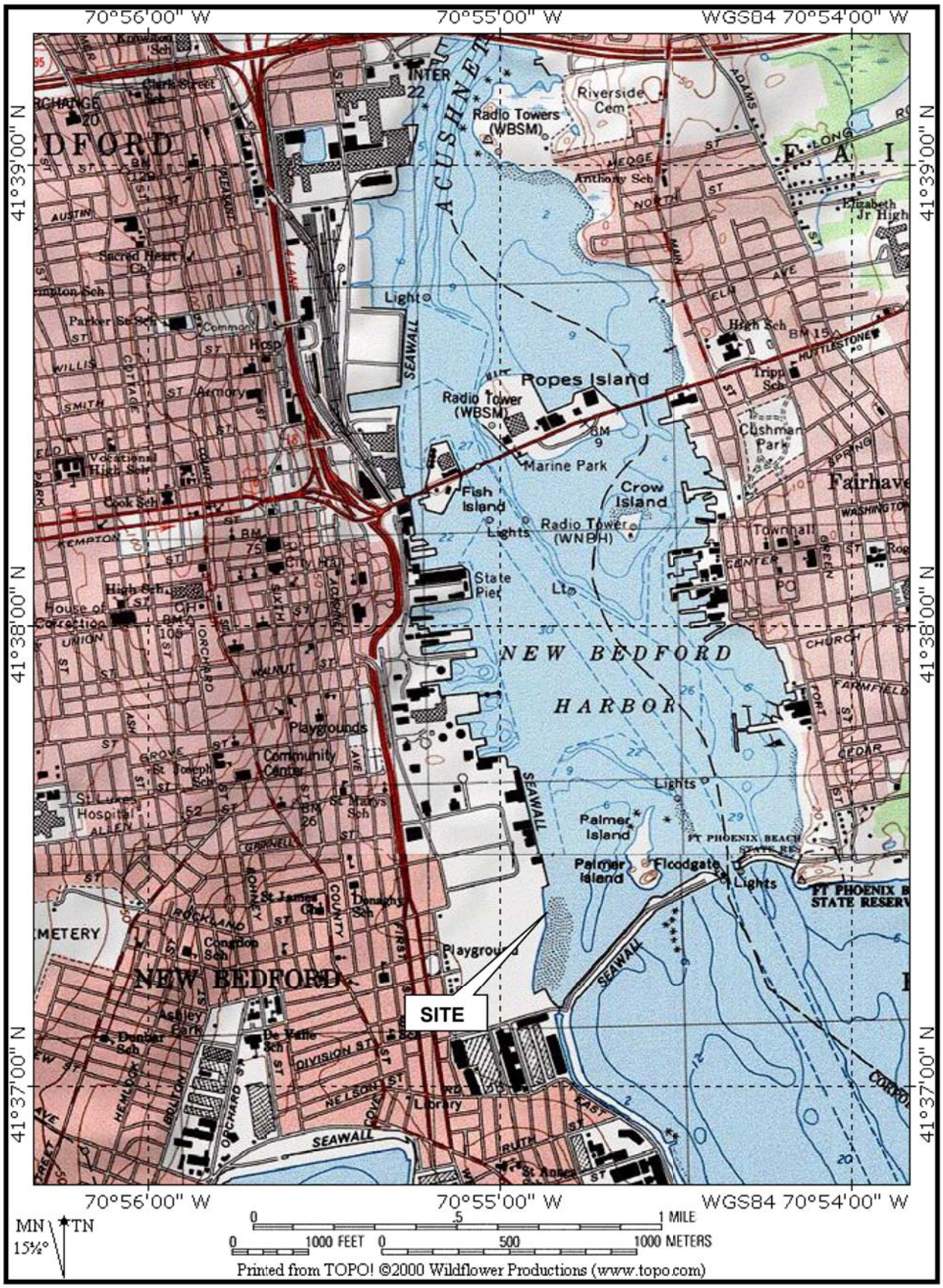
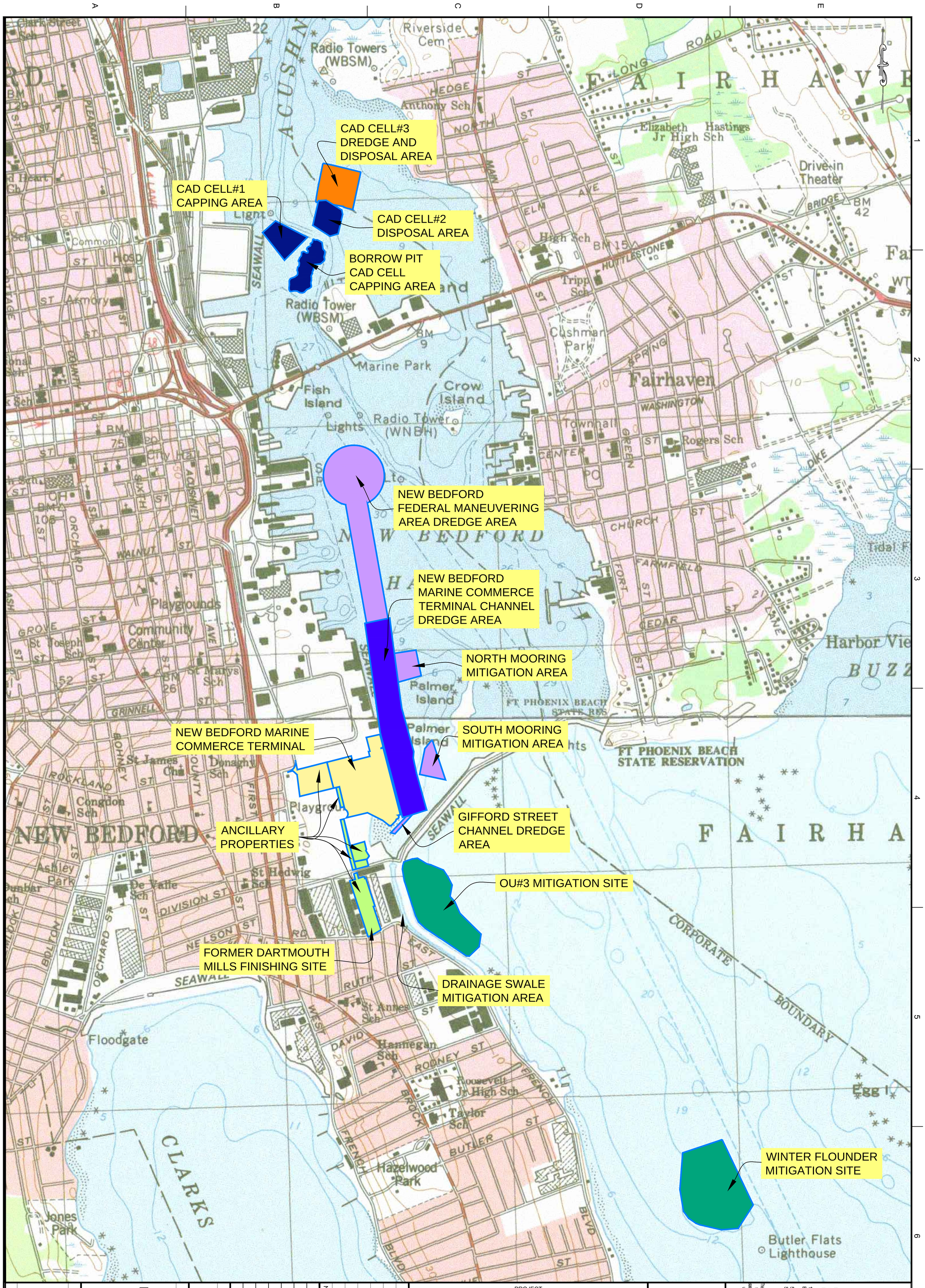


Figure 1: Site Location Map

FIGURE 2



APEX

ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA -
NEW BEDFORD, MA - HOLYOKE, MA

184 HIGH STREET, SUITE 502
BOSTON, MA 02210

58H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

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PROJECT

NEW BEDFORD
MARINE COMMERCE
TERMINAL

OWNER

MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MASSACHUSETTS

NO.	DATE	DESCRIPTION	BY

PROJECT NO.	6690
CADD FILE	SITE FIGURE
DESIGNED BY	GCD
DRAWN BY	GCD
CHECKED BY	
DATE	5/30/2012
DRAWING SCALE	1 INCH = 600 FEET

GRAPHIC SCALE
SCALE: 1"=600'
0 300 600 1200

SHEET TITLE

NEW BEDFORD
MARINE COMMERCE
TERMINAL
GENERAL SITE
PLAN

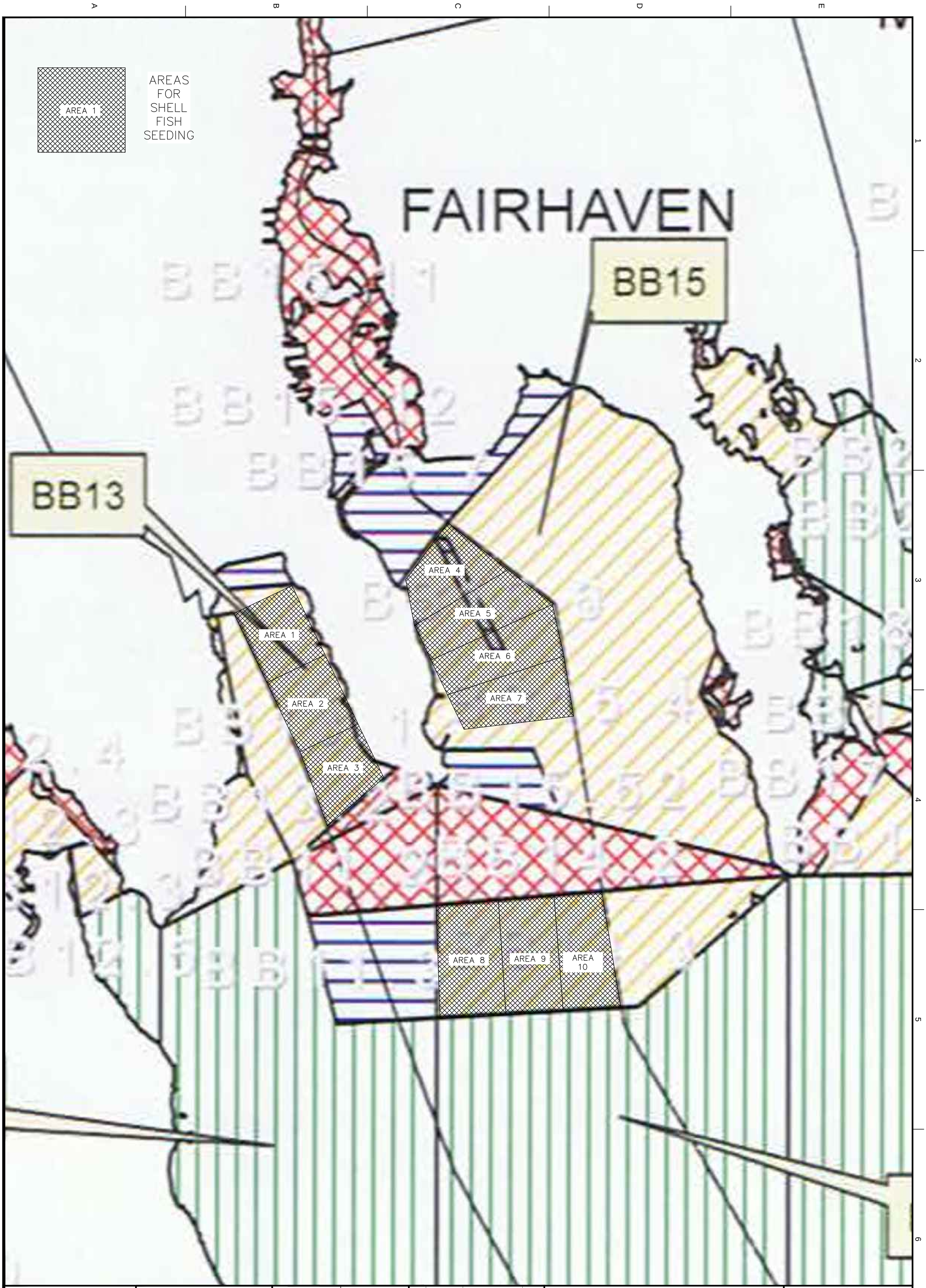
DRAWING NO.

1

1 OF 1

P:\Jobs\6690 NBH_ Phase IV\PLANS\EPA_SITE_FIGURE.dwg

FIGURE 3



SHEET TITLE	PROJECT NO.	6690	NO.	DATE	DESCRIPTION	BY
SHELL FISH SEEDING AREA PLAN	CADD FILE	TERN				
	DESIGNED BY	CWM				
	DRAWN BY	CWM				
	CHECKED BY	CHM				
	DATE	10/4/12				
	DRAWING SCALE	1"=1500'				
DRAWING NO.	GRAPHIC SCALE					
FIGURE 3						

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1 OF 1

PROJECT

NEW BEDFORD MARINE COMMERCE TERMINAL MITIGATION PLAN

OWNER

MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MASSACHUSETTS 02110

APEX

ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA - NEW BEDFORD, MA - HOLYOKE, MA

125 BROAD STREET,5TH FLOOR
BOSTON, MA 02210

58H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

FIGURE 4

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1 OF 1

SHEET TITLE

TERN SURVEY TRANSECT PLAN

DRAWING NO.

FIGURE 4

PROJECT NO.	6690
CADD FILE	TERN
DESIGNED BY	CWM
DRAWN BY	CWM
CHECKED BY	CHM
DATE	10/4/12
DRAWING SCALE	1"=2000'

GRAPHIC SCALE

SCALE: 1"=2000'

0 2000 4000

NO.	DATE	DESCRIPTION	BY

PROJECT

NEW BEDFORD MARINE COMMERCE TERMINAL MITIGATION PLAN

OWNER

MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MASSACHUSETTS 02110

APEX

ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA - NEW BEDFORD, MA - HOLYOKE, MA

125 BROAD STREET,5TH FLOOR
BOSTON, MA 02210

58H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

FIGURE 5

Apex Companies, LLC.

184 HIGH STREET
SUITE 502
BOSTON MA 02110
(617) 728-0070

REVISIONS

NO.	DATE	DESCRIPTION
1.	2/11/10	PRELIMINARY LAYOUT
2.	4/09/10	PRELIMINARY ASSESSMENT
3.	4/15/10	FIELD LOCATION
4.	7/07/10	ADD. FED. RESOURCE
5.	8/24/10	FINAL BULKHEAD ALIGNMENT
6.	6/8/12	HIGH TIDE LINE

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- PAVED CAP
- APPROXIMATE URBAN FILL
- ISOLATED WETLAND
- INTER-TIDAL
- SUB-TIDAL
- INTER-TIDAL SALT MARSH
- APEX TEST PIT
- PROPOSED FACILITY PARCEL

PREPARED FOR:

COMMONWEALTH OF MASSACHUSETTS

DRAWING TITLE:

NEW BEDFORD MARINE COMMERCE TERMINAL FEDERAL RESOURCE AREA ASSESSMENT

Scale: 1"=150'

0 75 150 300 450 FEET

Date 3/24/10	Drawing No.
Proj. Mgr.	
Design	
Check CM	FIG-5
Drawn GCD	
Job. No. 6615	
Last Rev. 6/29/12	

P:\Jobs\6690 NBH_ Phase IV\PLANS\PERMITTING\SOUTHTERMINAL_RESOURCE_FINAL2.dwg

APEX

ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA - NEW BEDFORD, MA - HOLYOKE, MA

184 HIGH STREET, SUITE 502
BOSTON, MA 02210

58H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

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PROJECT
NEW BEDFORD MARINE COMMERCE TERMINAL

OWNER
MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MA

NO.	DATE	DESCRIPTION	BY
1.	8-16-12	EPA COMMENTS	CHM

PROJECT NO.	6690
CADD FILE	GIFFORD_ST
DESIGNED BY	CWM
DRAWN BY	CWM
CHECKED BY	CHM
DATE	8-16-12
DRAWING SCALE	1"=40'

GRAPHIC SCALE
SCALE: 1"=40'
0 20 40 80

SHEET TITLE
BLACKMER STREET DMF PARCELS ISOLATED WETLAND

DRAWING NO.
W-1.2

2 OF 2

P:\Jobs\6690 NBH_ Phase IV\PLANS\PERMITTING\SOUTHTERMINAL_RESOURCE_40SC_EPA.dwg

APEX

ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA - NEW BEDFORD, MA - HOLYOKE, MA

184 HIGH STREET, SUITE 502
BOSTON, MA 02210

58H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

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PROJECT
NEW BEDFORD MARINE COMMERCE TERMINAL

OWNER
MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MA

NO.	DATE	DESCRIPTION	BY
1.	8-16-12	EPA COMMENTS	CHM

PROJECT NO.	6690
CADD FILE	GIFFORD_ST
DESIGNED BY	CWM
DRAWN BY	CWM
CHECKED BY	CHM
DATE	8-16-12
DRAWING SCALE	1"=40'

GRAPHIC SCALE
SCALE: 1"=40'
0 20 40 80

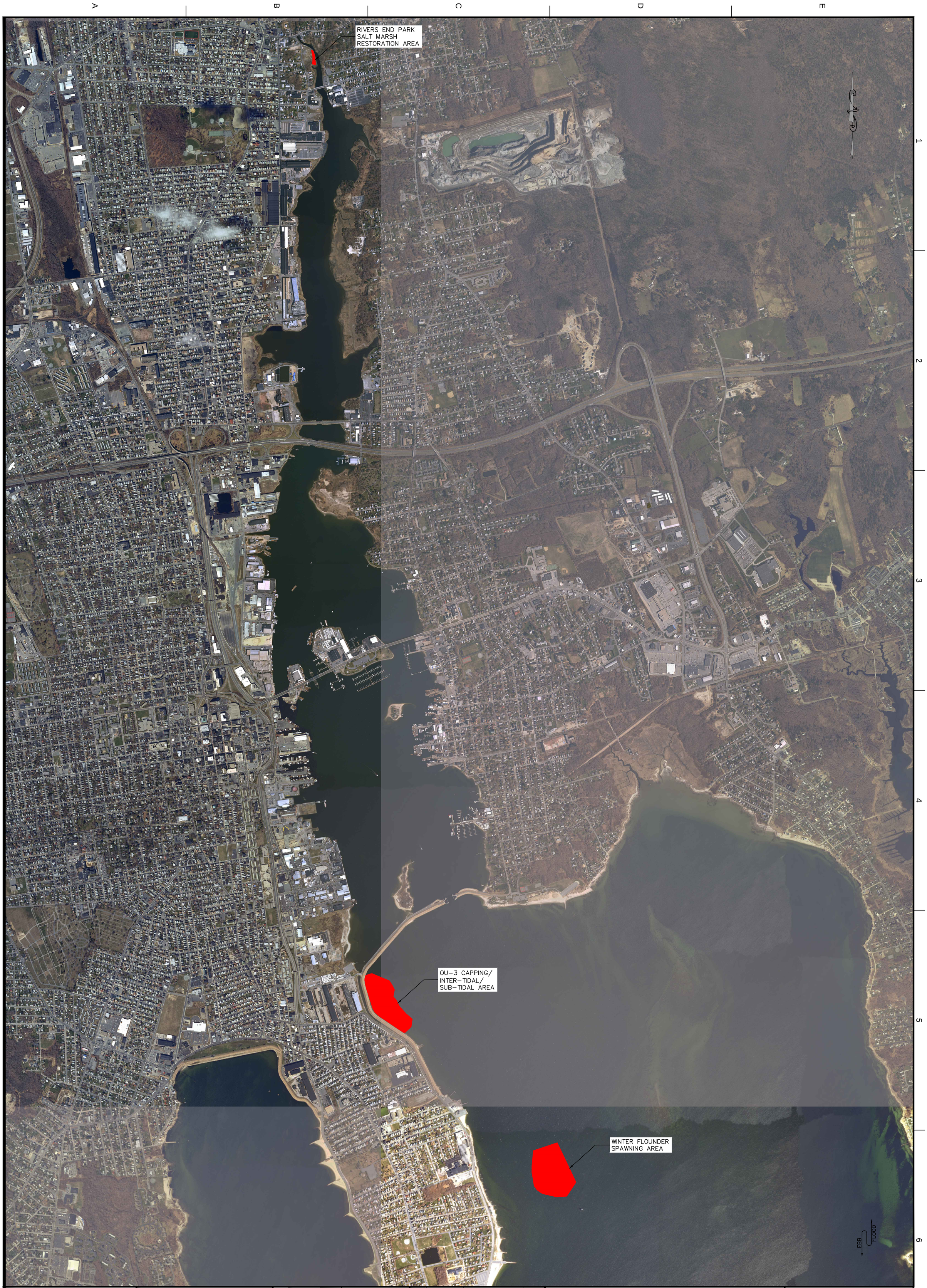
SHEET TITLE
GIFFORD STREET BMX PARCEL ISOLATED WETLAND

DRAWING NO.
W-1.1

1 OF 2

P:\Jobs\6690 NBH_ Phase IV\PLANS\PERMITTING\SOUTHTERMINAL_RESOURCE_40SC_EPA.dwg

FIGURE 6



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1 OF 1

SHEET TITLE

PROPOSED MITIGATION SITE PLAN

DRAWING NO.

FIGURE 6

PROJECT NO.	6690
CADD FILE	TERN
DESIGNED BY	CWM
DRAWN BY	CWM
CHECKED BY	CHM
DATE	10/4/12
DRAWING SCALE	1"=1000'

GRAPHIC SCALE

SCALE: 1"=1000'

0 1000 2000

NO.	DATE	DESCRIPTION	BY

PROJECT

NEW BEDFORD MARINE COMMERCE TERMINAL MITIGATION PLAN

OWNER

MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MASSACHUSETTS 02110

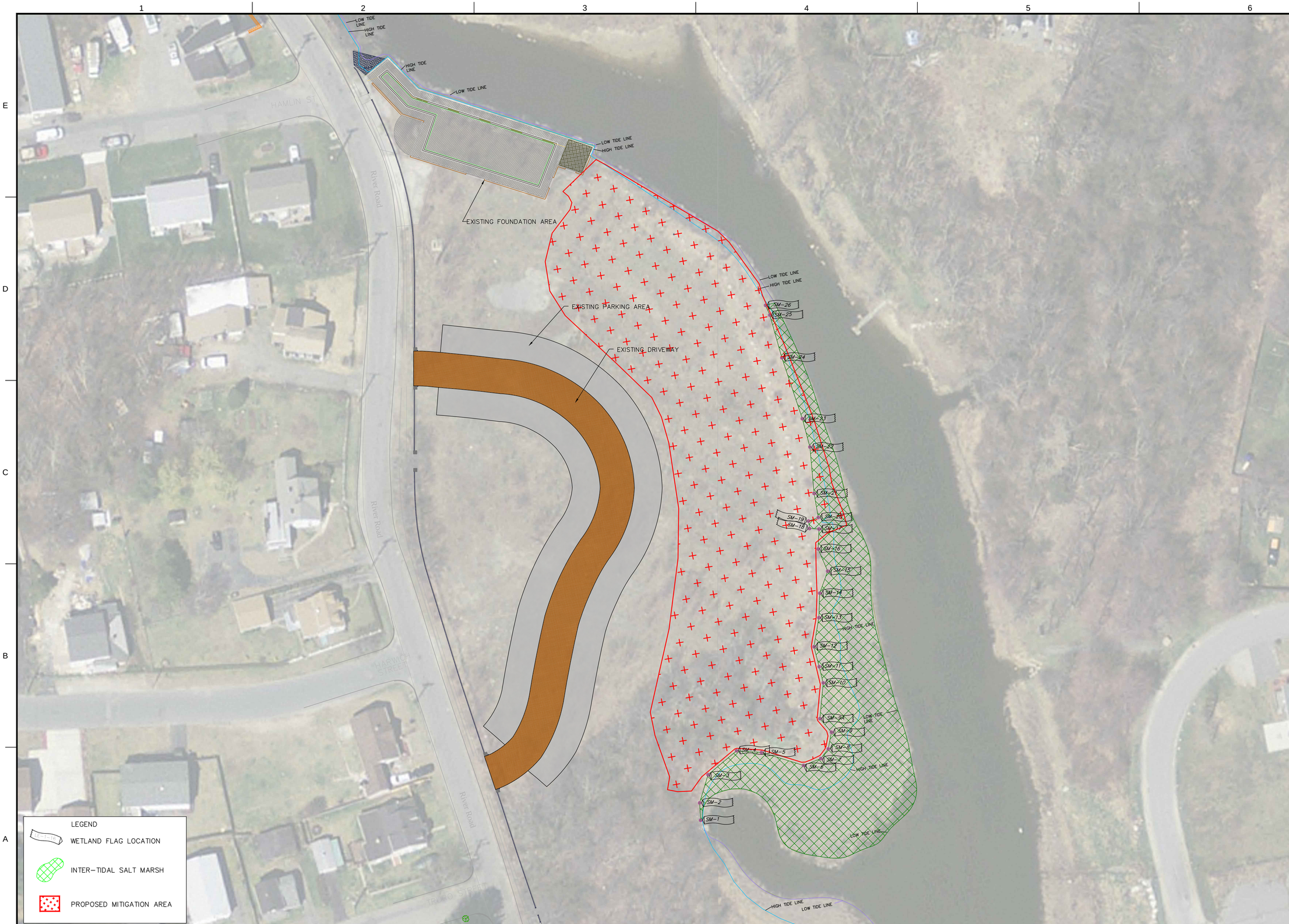
APEX

ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA - NEW BEDFORD, MA - HOLYOKE, MA

125 BROAD STREET,5TH FLOOR
BOSTON, MA 02210

58H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

P:\Jobs\6690 NBH_ Phase IV\PLANS\PERMITTING\MITIGATION_AREAS.dwg



APEX

ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA - NEW BEDFORD, MA - HOLYOKE, MA

184 HIGH STREET, SUITE 502
BOSTON, MA 02210

58H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

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PROJECT
NEW BEDFORD
MARINE COMMERCE
TERMINAL

OWNER
MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MASSACHUSETTS

NO.	DATE	DESCRIPTION	BY

PROJECT NO.	6690
CADD FILE	RIVER's END WETLAND-10-19-12
DESIGNED BY	CWM
DRAWN BY	CWM
CHECKED BY	CMM
DATE	10/19/2012
DRAWING SCALE	1"=30'

GRAPHIC SCALE

SHEET TITLE

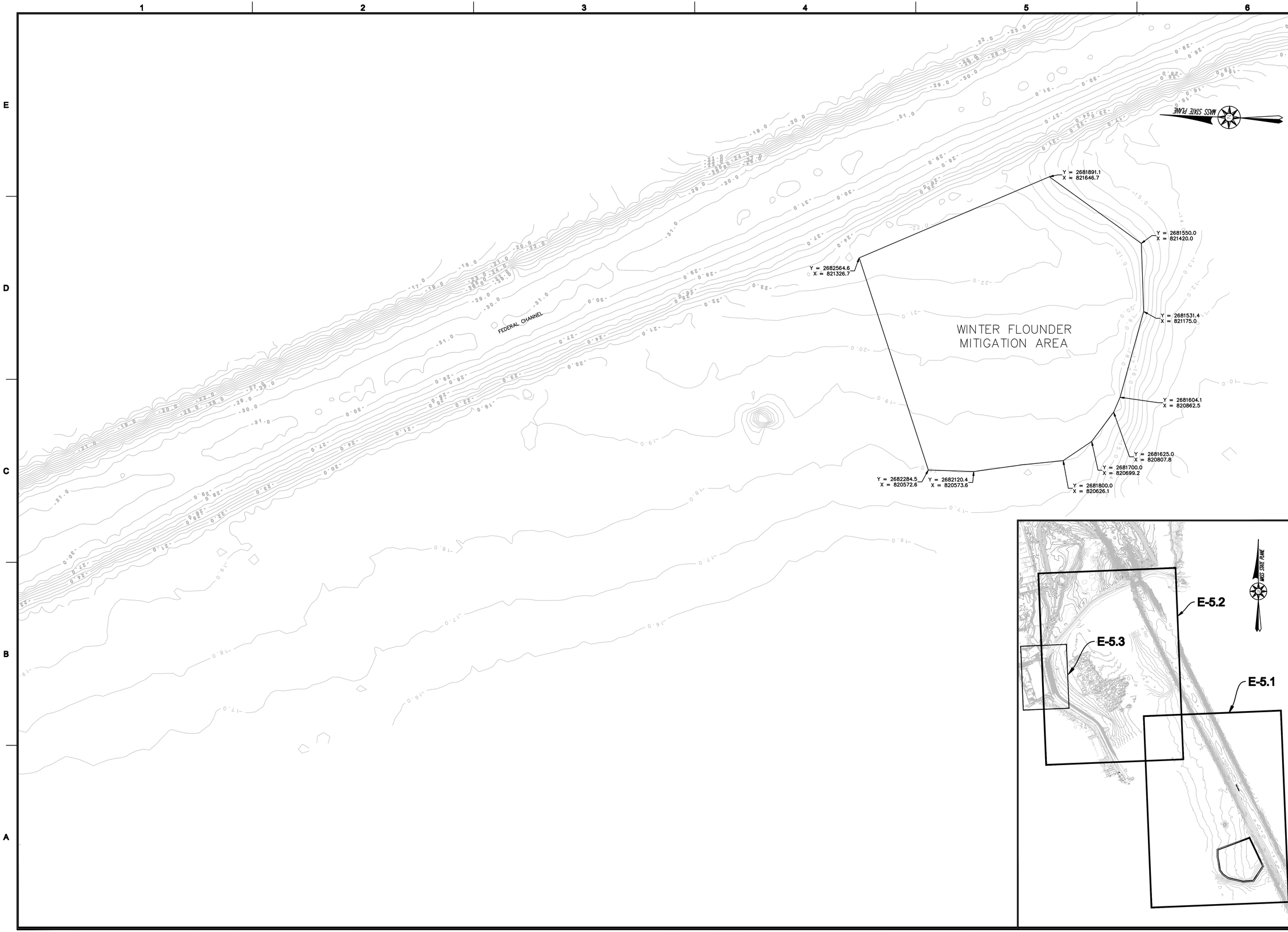
RIVER'S END PARK
INTERTIDAL
SALT MARSH
AND PROPOSED
EXPANSION

DRAWING NO.

W-1.3

PLOT SCALE

APPENDIX 1



APEX

ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA -
NEW BEDFORD, MA - HOLYOKE, MA

184 HIGH STREET, SUITE 502
BOSTON, MA 02210

55H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

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PROJECT
NEW BEDFORD
MARINE COMMERCE
TERMINAL

OWNER
MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MASSACHUSETTS

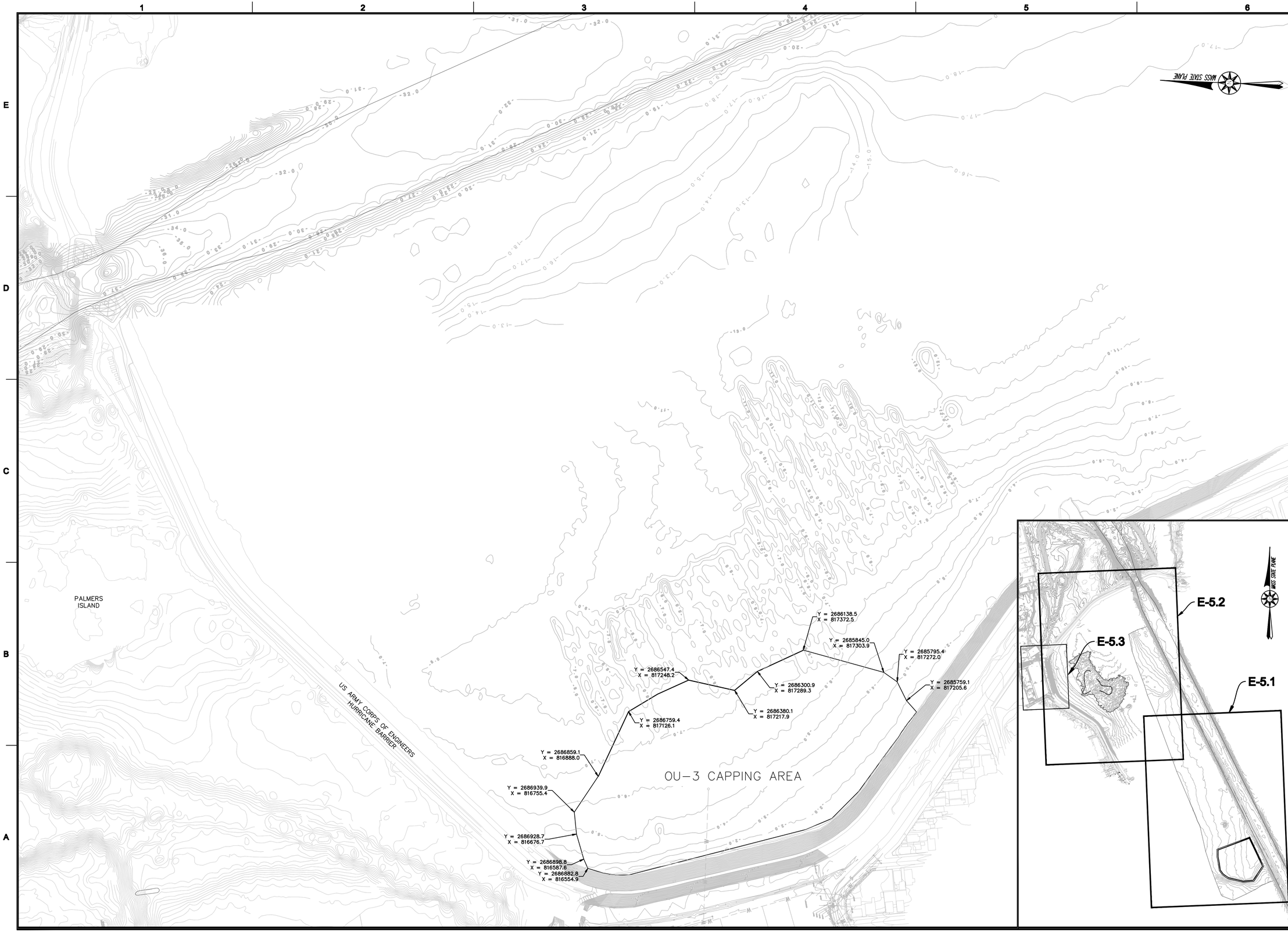
NO.	DATE	DESCRIPTION	BY
1	12/23/11	FOR CONSTRUCTION	CHM

PROJECT NO.	6690
CADD FILE	E-5.1-E-5.3_EXISTING_CONDITIONS
DESIGNED BY	GCD
DRAWN BY	GCD
CHECKED BY	CMM
DATE	08/04/2011
DRAWING SCALE	1"=150'

GRAPHIC SCALE
SCALE: 1"=150'
0 75 150 300

SHEET TITLE
EXISTING CONDITIONS WINTER FLOUNDER MITIGATION AREA

DRAWING NO.
E-5.1
DRAFT



APEX

ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA - NEW BEDFORD, MA - HOLYOKE, MA

184 HIGH STREET, SUITE 502
BOSTON, MA 02210

55H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

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PROJECT

NEW BEDFORD
MARINE COMMERCE
TERMINAL

OWNER

MASSACHUSETTS CLEAN ENERGY COUNCIL
55 SUMMER STREET, 9TH FLOOR
BOSTON, MASSACHUSETTS

NO.	DATE	DESCRIPTION	BY
2	03/16/12	EX. COND. UPDATE	CWM
1	12/23/11	FOR CONSTRUCTION	CHM

PROJECT NO.	6690
CADD FILE	8-5.1-8-5.3_(EXISTING_CONDITIONS
DESIGNED BY	GCD
DRAWN BY	GCD
CHECKED BY	CWM
DATE	08/04/2011
DRAWING SCALE	1"=150'

GRAPHIC SCALE

SCALE: 1"=150'

0 75 150 300

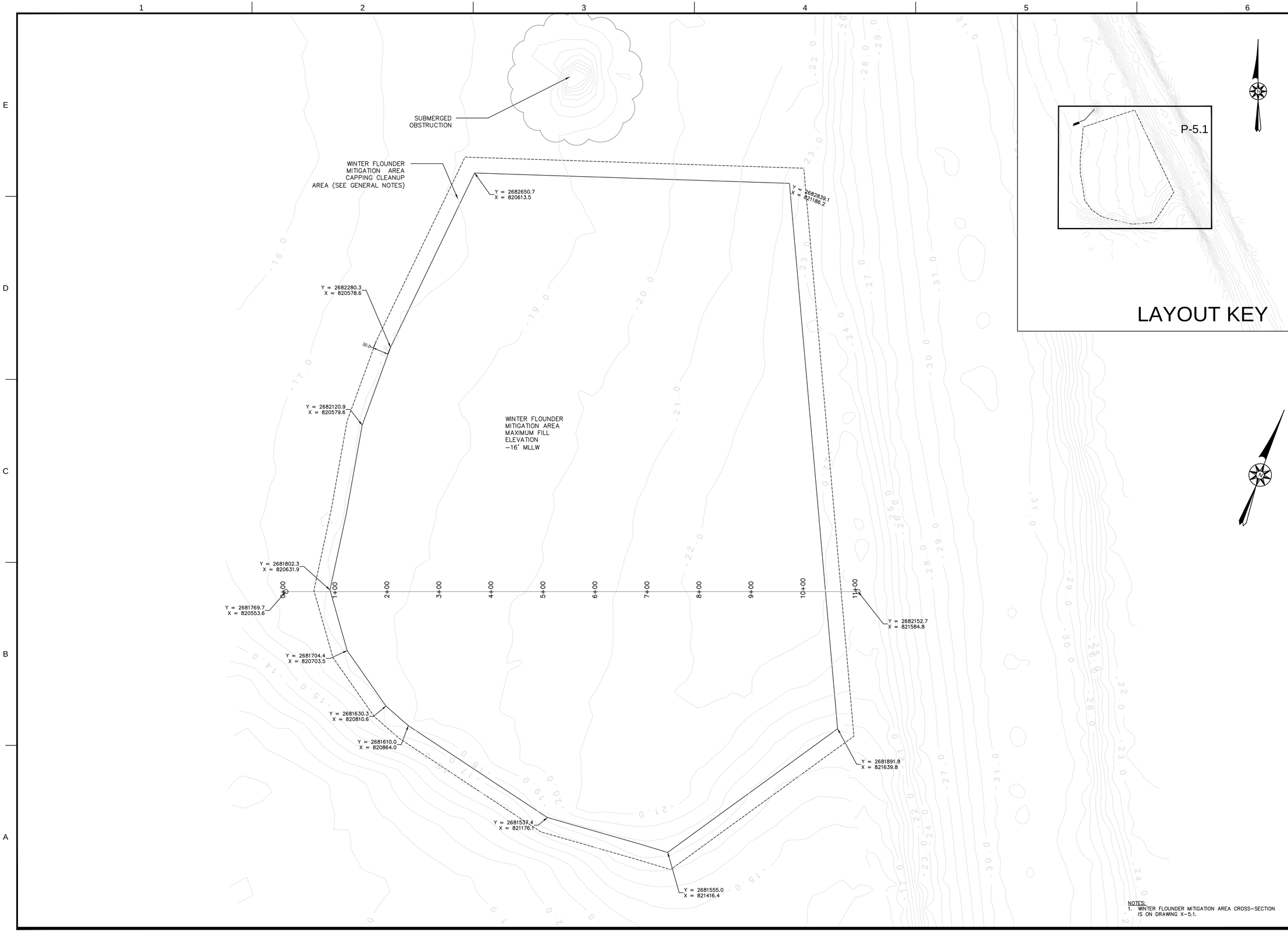
SHEET TITLE

EXISTING
CONDITIONS
OU-3
CAPPING AREA

DRAWING NO.

E-5.2

DRAFT



NOTES:
1. WINTER FLOUNDER MITIGATION AREA CROSS-SECTION IS ON DRAWING X-5.1.

APEX

ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA - NEW BEDFORD, MA - HOLYOKE, MA

184 HIGH STREET, SUITE 502
BOSTON, MA 02210

58H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

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PROJECT
NEW BEDFORD MARINE COMMERCE TERMINAL

OWNER
MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MA

NO.	DATE	DESCRIPTION	BY
2	6/15/12	AREA UPDATED	CWM
1	12/23/11	FOR CONSTRUCTION	CHM

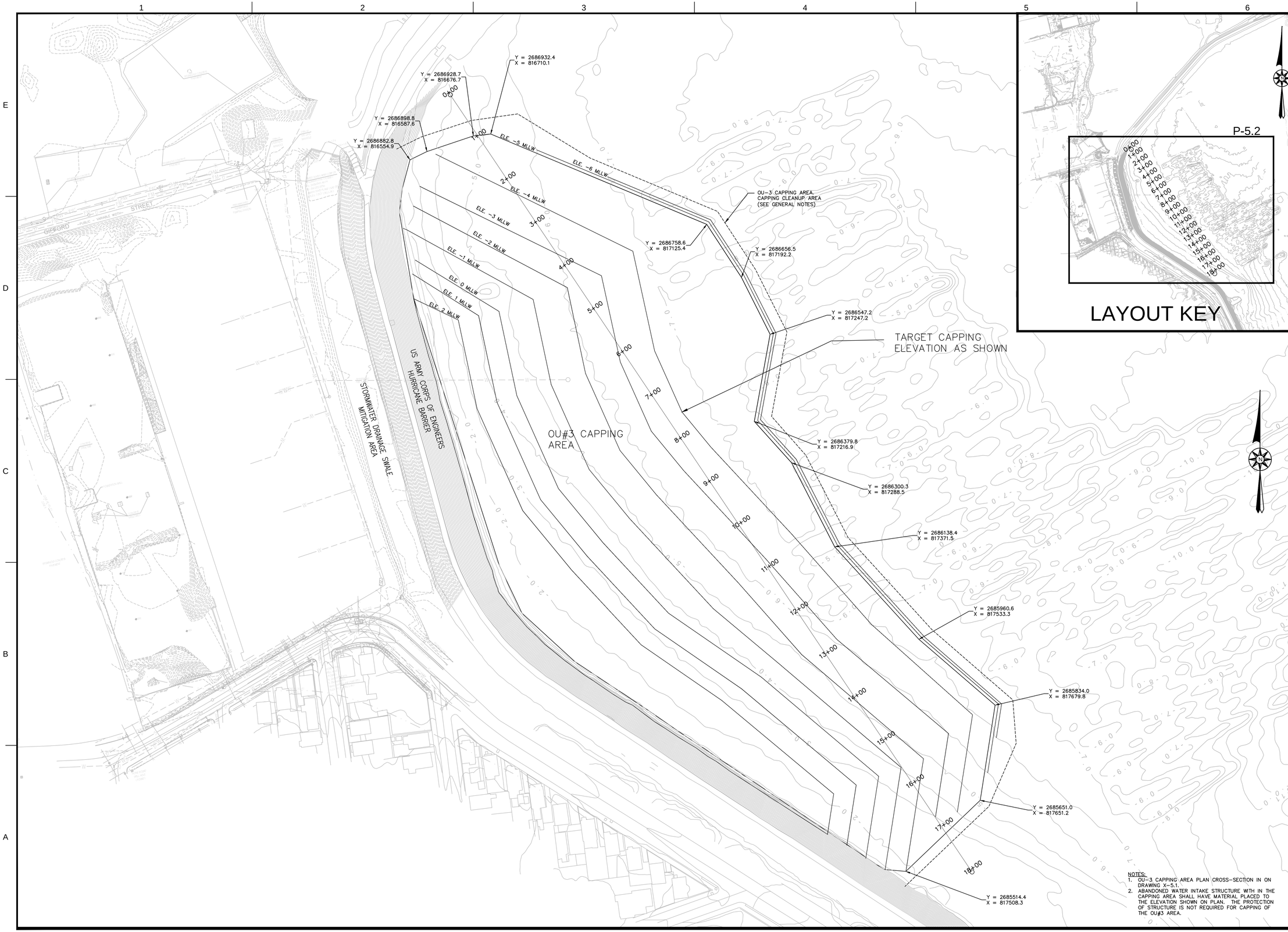
PROJECT NO.	6690
CADD FILE	MIT_OU3_FLNDR
DESIGNED BY	CWM
DRAWN BY	CWM
CHECKED BY	CHM
DATE	8-8-11
DRAWING SCALE	1"=80'

GRAPHIC SCALE
SCALE: 1"=80'
0 40 80 160

SHEET TITLE
WINTER FLOUNDER MITIGATION AREA PLAN

DRAWING NO.
P-5.1
DRAFT

P:\Jobs\6690 NBH_ Phase IV\PLANS\FINAL_PLANS\100% Submittal\P-5.1-P-5.2_MITIGATION_OU3_REV_FLOUNDER.dwg



NOTES:
1. OU-3 CAPPING AREA PLAN CROSS-SECTION IN ON DRAWING X-5.1.
2. ABANDONED WATER INTAKE STRUCTURE WITH IN THE CAPPING AREA SHALL HAVE MATERIAL PLACED TO THE ELEVATION SHOWN ON PLAN. THE PROTECTION OF STRUCTURE IS NOT REQUIRED FOR CAPPING OF THE OU#3 AREA.

APEX
ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA - NEW BEDFORD, MA - HOLYOKE, MA

184 HIGH STREET, SUITE 502
BOSTON, MA 02210

58H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

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PROJECT
NEW BEDFORD
MARINE COMMERCE
TERMINAL

OWNER
MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MA

NO.	DATE	DESCRIPTION	BY
2	03/16/12	EX. COND. UPDATE	CWM
1	12/23/11	FOR CONSTRUCTION	CHM

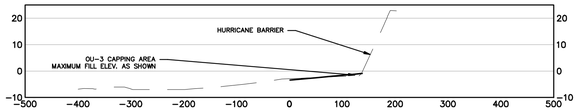
PROJECT NO.	6690
CADD FILE	MIT_OU3_FLNDR
DESIGNED BY	CWM
DRAWN BY	CWM
CHECKED BY	CHM
DATE	8-8-11
DRAWING SCALE	1"=80'

GRAPHIC SCALE
SCALE: 1"=80'
0 40 80 160

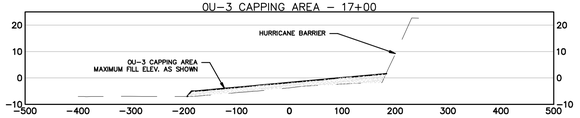
SHEET TITLE
OU-3
CAPPING
AREA
PLAN

DRAWING NO.
P-5.2
DRAFT

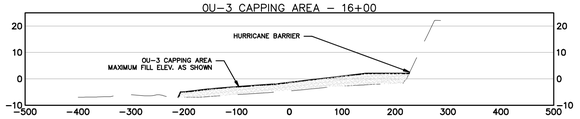
P:\Jobs\6690 NBH_ Phase IV\PLANS\FINAL_PLANS\100% Submittal\P-5.1-P-5.2_MITIGATION_OU3_REV_FLOUNDER.dwg



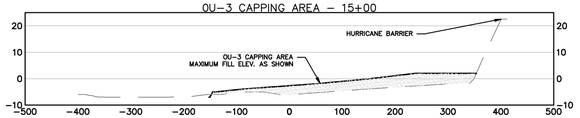
OU-3 CAPPING AREA – 17+00



OU-3 CAPPING AREA – 16+00



OU-3 CAPPING AREA – 15+00



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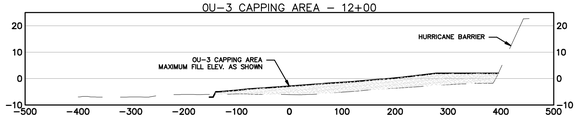

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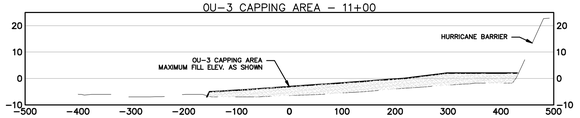

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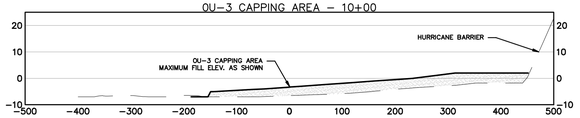

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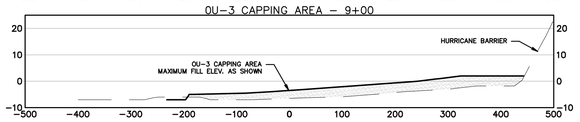

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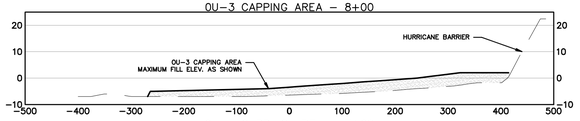

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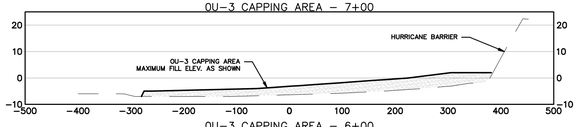

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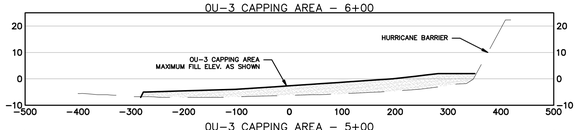

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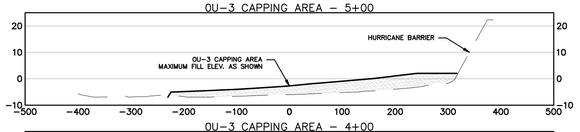

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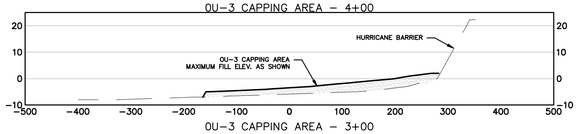
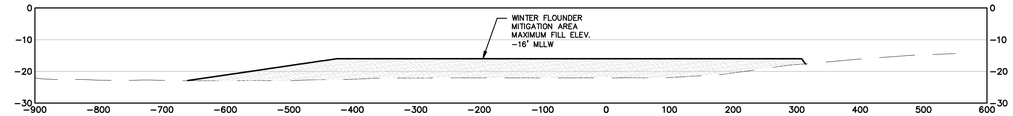
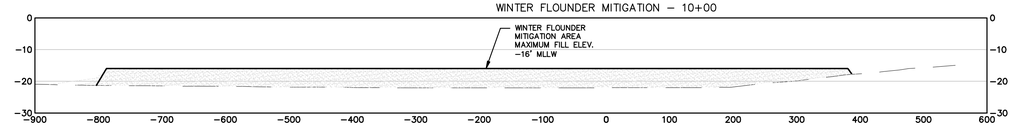


OU-3 CAPPING AREA – 3+00

NOTE:
1. FOR LOCATION OF OU-3 CAPPING AREA CROSS-SECTION, SEE DRAWING P-5.2.



WINTER FLOUNDER MITIGATION – 10+00



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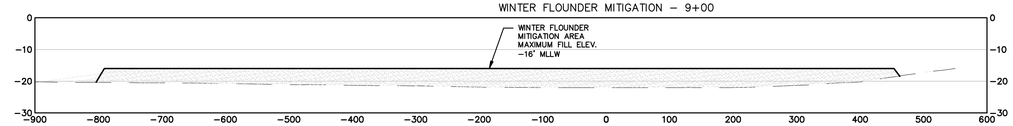

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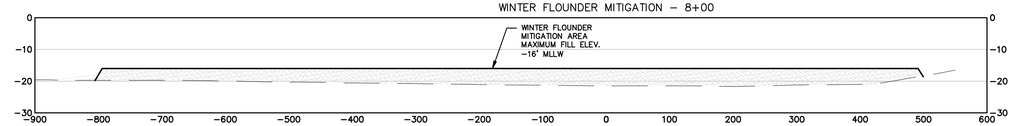

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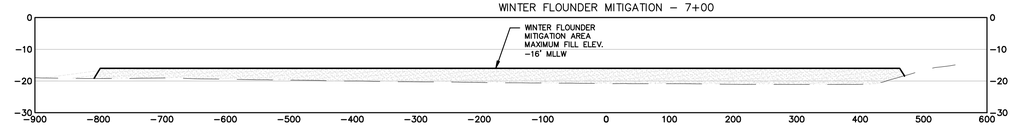

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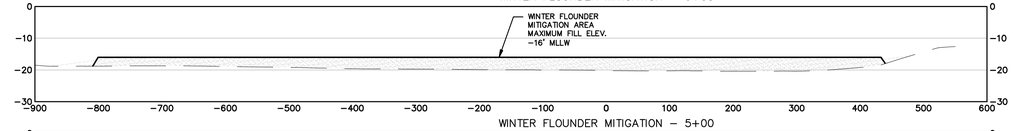

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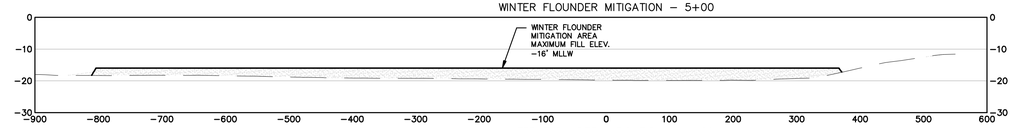

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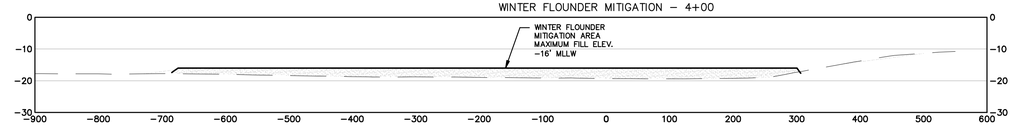

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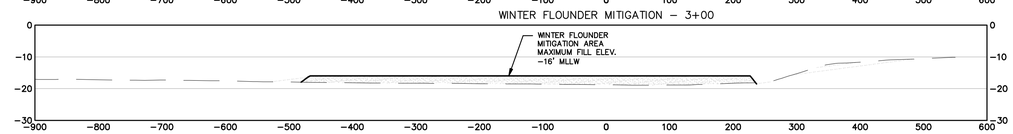
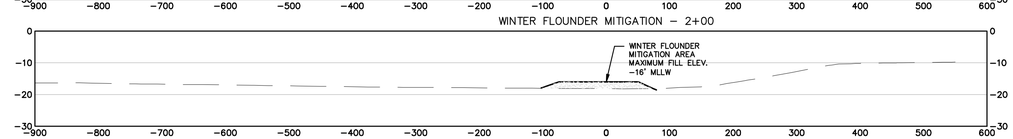


WINTER FLOUNDER MITIGATION – 2+00



WINTER FLOUNDER MITIGATION – 1+00

NOTE:
1. FOR LOCATION OF WINTER FLOUNDER MITIGATION AREA CROSS-SECTION, SEE DRAWING P-5,1,

APEX

ROCKVILLE, MD
SOUTH WINDSOR, CT - BOSTON, MA - NEW BEDFORD, MA - HOLYOKE, MA

184 HIGH STREET, SUITE 502
BOSTON, MA 02210

58H CONNECTICUT AVENUE
SOUTH WINDSOR, CT

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PROJECT
NEW BEDFORD MARINE COMMERCE TERMINAL

OWNER
MASSACHUSETTS CLEAN ENERGY CENTER
55 SUMMER STREET, 9TH FLOOR
BOSTON, MA

NO.	DATE	DESCRIPTION	BY
1.	12-23-11	FOR CONSTRUCTION	CHM

PROJECT NO.	6690
CADD FILE	MIT_OU3_FLNDR
DESIGNED BY	CWM
DRAWN BY	CWM
CHECKED BY	CHM
DATE	8-8-11
DRAWING SCALE	NTS

GRAPHIC SCALE

SHEET TITLE

OU-3 AND WINTER FLOUNDER CAPPING AREA CROSS-SECTIONS

DRAWING NO.

X-5.1

DRAFT

APPENDIX 2

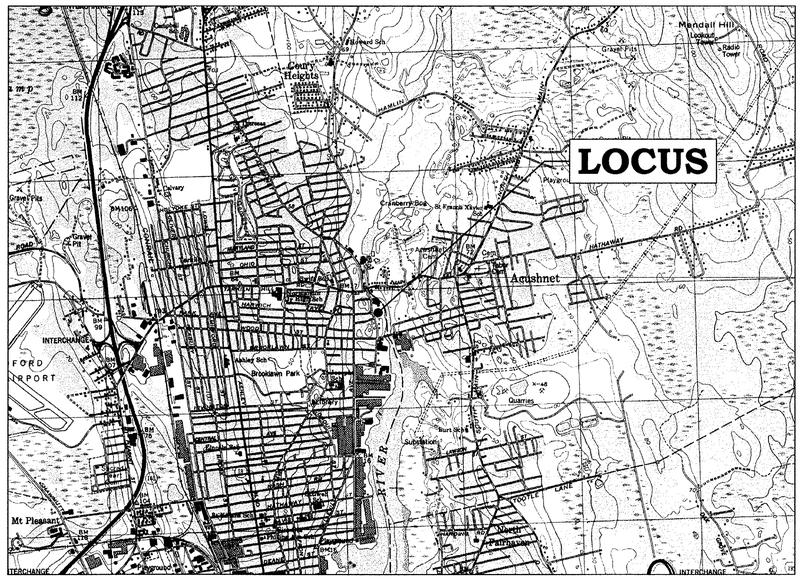
SALT MARSH CREATION AT RIVERS END PARK
IN
NEW BEDFORD, MASSACHUSETTS
(Bristol County)

OWNER/SURVEYOR

City of New Bedford
Department of Public Infrastructure
1105 Shawmut Avenue
New Bedford, Massachusetts 02746

CIVIL ENGINEER AND WETLAND SCIENTIST

Beals and Thomas, Inc.
32 Court Street
Plymouth, Massachusetts 02360



Locus Map
Scale: 1" = 2000'

SHEET INDEX

1	Cover Sheet
2	Site Plan
3	Cross Sections
4	Notes and Site Details
5	Notes and Site Details

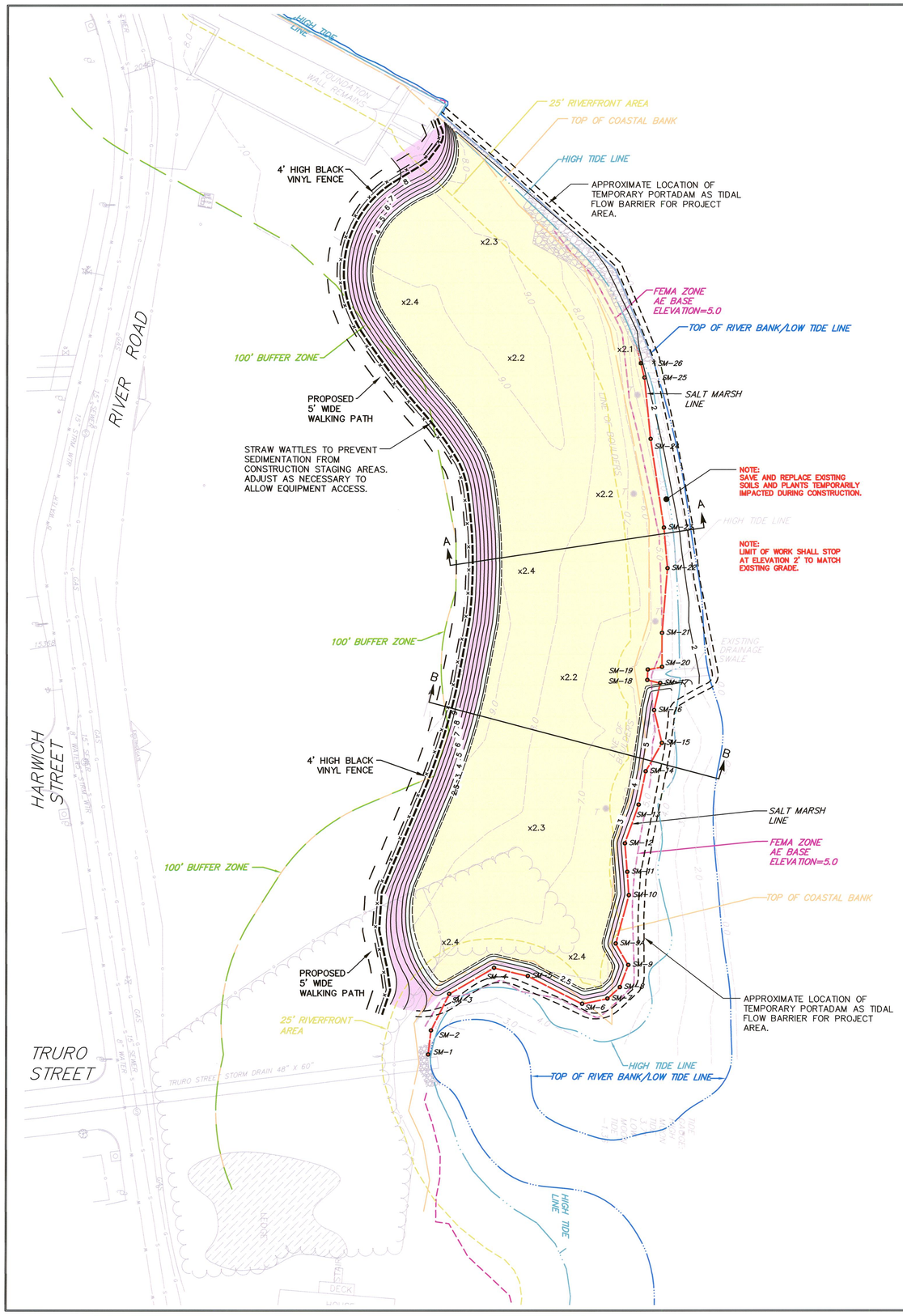
First Issue - October 22, 2012

NOT ISSUED FOR CONSTRUCTION

COMMONWEALTH OF MASSACHUSETTS ERIC J. LAS CIVIL No. 46522 REGISTERED PROFESSIONAL ENGINEER 10/22/12

SWS POC PWS STACY H. MINIHANE 001881 PROFESSIONAL WETLAND SCIENTIST 10-22-12

Job No.: 1714.10
Dwg. No.: 171410P033A-001
Sheet 1 of 5



LEGEND

EXISTING		PROPOSED	
	TREE		
	TREE LINE		
	LINE OF BOULDERS		
	RIP RAP		
			PORTADAM
	FENCE		4' HIGH BLACK VINYL FENCE
	MINOR CONTOUR	124	MINOR CONTOUR
	MAJOR CONTOUR	130	MAJOR CONTOUR
	SPOT ELEVATION	x125.4	SPOT ELEVATION
100-YEAR FLOOD LINE ELEV=5	100 YEAR FLOODPLAIN BOUNDARY	ECB	EROSION CONTROL BARRIER
	25' RIVERFRONT AREA		
	TOP OF COASTAL BANK		
	HIGH TIDE LINE		
SM-25	SALT MARSH LIMIT		
	100' BUFFER ZONE		
	TOP OF RIVERBANK/ LOW TIDE LINE		

N NORTH

PLANTING LIST

Legend		Elevation	Area (sf)	Plant Species	% Coverage/Spacing	Size
	Low Marsh	Up To El. 2.5'	38,327	Spartina alterniflora smooth cordgrass	100% at 1.5' on center, 2 culms per hole (39,247 plants)	plugs
				Salt meadow grass (Spartina patens)	60% at 1' on center (1,600 plants)	plugs
				Spike grass (Distichlis spicata)	20% at 1' on center (535 plants)	plugs
	High Marsh	El. 2.5' to 4'	2,322	Black grass (Juncus gerardii)	15% at 1' on center (335 plants)	plugs
				New England Coastal Salt Tolerant Grass Mix	85% at 625 sf per pound	seed
				Marsh elder (Iva frutescens)	80 at 4' on center	2'–3'
	Berm	El. 4' and up	6,058	New England Coastal Salt Tolerant Grass Mix	100% at 625 sf per pound	seed
				Seaside goldenrod (Solidago sempervirens)	33% @ 950 sf per pound	seed
				Eastern showy aster (Eurybia spectabilis)	33% @ 950 sf per pound	seed
				Threadleaf coreopsis (Coreopsis verticillata)	33% @ 950 sf per pound	seed
				Beach plum (Prunus maritima)	67 plants at 6' on center	2'–3'
				Northern bayberry (Myrica pensylvanica)	68 plants @ 6' on center	2'–3'

BENCHMARKS

BM–1, USGS DISK, STATE CONTROL POINT # 91D. TARKILN HILL ROAD NEAR BELLVILLE AVENUE.

ELEV.=17.06' (DATUM NGVD29)

BM–2, GRANITE BOUND AT THE NORTHWEST CORNER OF THE INTERSECTION OF HARWICH ST. AND RIVER ROAD

ELEV.=9.41' (DATUM NGVD29)

TIDAL DATUM

	NGVD1929 (FT)
SPRING HIGH TIDE LINE	3.71'
MEAN HIGH WATER	2.61'
MEAN LOW WATER	–0.5'
SPRING LOW TIDE LINE	–1.36'

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PREPARED FOR:

APEX COMPANIES, LLC

125 BROAD STREET,
5TH FLOOR
BOSTON, MA 02110

COMMONWEALTH OF MASSACHUSETTS
ERIC J. LAS
CIVIL
No. 46522
PROFESSIONAL ENGINEER
10/22/12

SWS PCP
PWS
SOCIETY OF WETLAND SCIENTISTS
ETHICS
STACY H. MINIHANE
001881
PROFESSIONAL WETLAND SCIENTIST
10-22-12

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BEALS + THOMAS
Civil Engineers + Landscape Architects + Land Surveyors + Planners + Environmental Specialists

BEALS AND THOMAS, INC.
32 Court Street
Plymouth, Massachusetts 02360-3866
T 508.746.3288 | www.btiweb.com

ISSUE DATE	DESCRIPTION
5	
4	
3	
2	
1	
0 10/22/2012	FIRST ISSUE

DES	DWN	CHK'D	APP'D

PROJECT:

SALT MARSH CREATION AT RIVERS END PARK

NEW BEDFORD, MASSACHUSETTS

SCALE: 1" = 30' DATE: OCTOBER 22, 2012

METERS 0 5 10 25
FEET 0 15 30 60 90

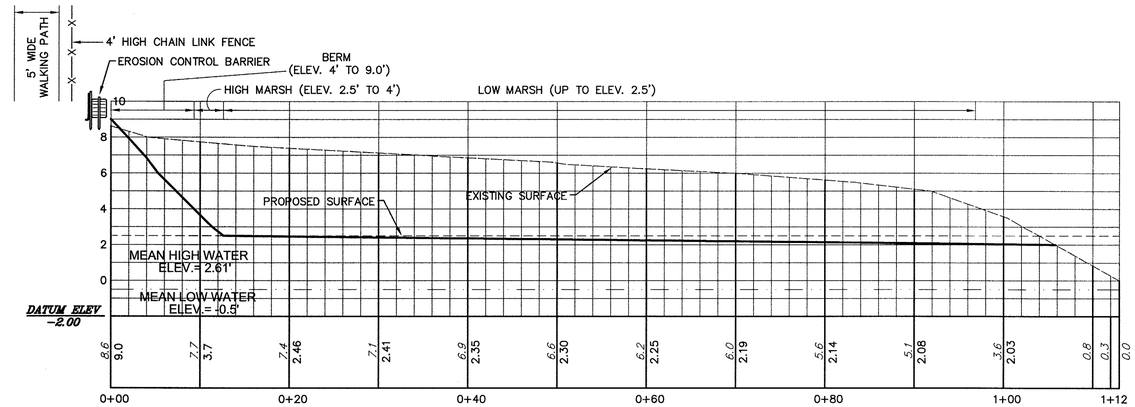
SITE PLAN

B+T JOB NO.1714.10

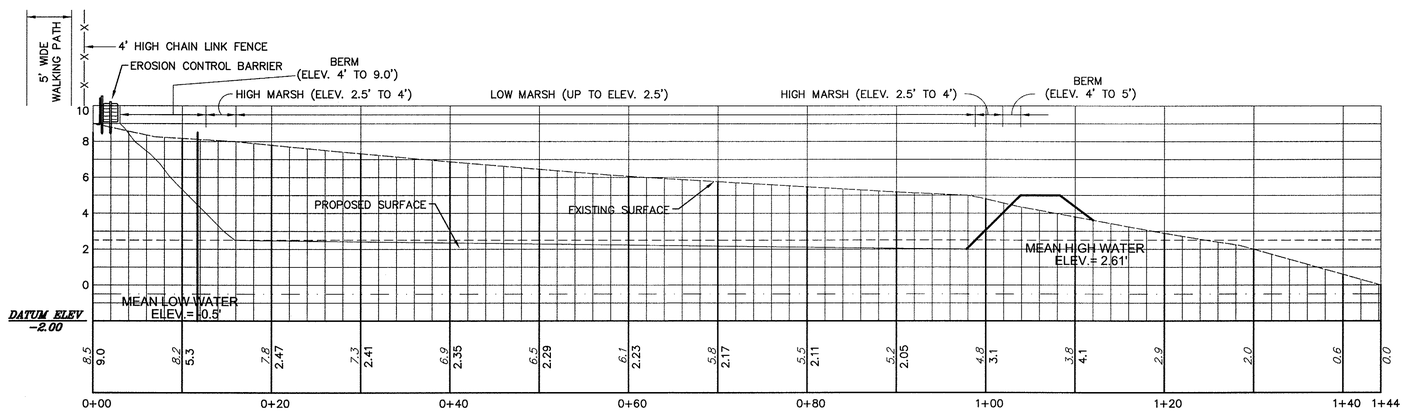
B+T PLAN NO. 171410P033A–002

SHEET 2 OF 5

2



SECTION A–A
SALT MARSH CROSS SECTION
SCALE: 1" = 8' (HOR.) 1"= 4' (VER.)



SECTION B–B
SALT MARSH CROSS SECTION
SCALE: 1" = 8' (HOR.) 1"= 4' (VER.)

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REGISTERED PROFESSIONAL ENGINEER
10/22/12

SWS PWS
STACY H. MINIHANE
001881
PROFESSIONAL WETLAND SCIENTIST
10-22-12

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5		
4		
3		
2		
1		
0	10/22/2012	FIRST ISSUE
	ISSUE DATE	DESCRIPTION

DES	DWN	CHK'D	APP'D

PROJECT:

SALT MARSH CREATION AT RIVERS END PARK

NEW BEDFORD, MASSACHUSETTS

SCALE: AS NOTED DATE: OCTOBER 22, 2012

CROSS SECTIONS

B+T JOB NO. 1714.10

B+T PLAN NO. 171410P033A–003

SHEET 3 OF 5

3

NOTES

GENERAL NOTES

THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS. THE CONTRACTOR SHALL ALSO PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AS REQUIRED.

CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND ALL CONSTRUCTION MEANS AND METHODS.

LIMIT OF WORK SHALL BE EROSION CONTROL BARRIERS, PORTADAM, LIMIT OF GRADING, SITE PROPERTY LINES, AND/OR AS INDICATED ON DRAWINGS.

PORTIONS OF THE ROADWAY, SIDEWALK AND ROADSIDE AREA DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO THEIR CONDITIONS PRIOR TO DISTURBANCE.

ANY ALTERATION TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE CONTRACTOR ON RECORD DOCUMENTS.

ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO OWNER.

EXISTING TREES AND SHRUBS OUTSIDE THE LIMITS OF GRADING SHALL BE REMOVED ONLY UPON PRIOR APPROVAL OF THE OWNER.

PROTECT EXISTING PROPERTY MONUMENTS AND ABUTTING PROPERTIES DURING CONSTRUCTION ACTIVITIES.

EROSION CONTROL AND SEDIMENTATION NOTES

AN EROSION CONTROL BARRIER AND PORTADAM SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED WORK AS INDICATED ON THE PLAN PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS.

ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE SWEPT AT THE END OF EACH WORKING DAY.

ALL STOCKPILE AREAS SHALL BE LOCATED WITHIN LIMIT OF WORK LINE AND STABILIZED TO PREVENT EROSION.

ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFF-SITE.

SITE ELEMENTS TO REMAIN MUST BE PROTECTED FOR DURATION OF PROJECT.

ALL TOPSOIL ENCOUNTERED WITHIN WORK AREA SHALL BE STRIPPED TO ITS FULL DEPTH AND STOCKPILED FOR REUSE. TOPSOIL PILES SHALL REMAIN SEGREGATED FROM EXCAVATED SUBSURFACE SOIL MATERIALS.

ADDITIONAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.

ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADS.

TEMPORARY DIVERSION DITCHES, PERMANENT DITCHES, CHANNELS, EMBANKMENTS AND ANY DENUDED SURFACE WHICH WILL BE EXPOSED FOR A PERIOD OF ONE MONTH OR MORE SHALL BE CONSIDERED CRITICAL VEGETATION AREAS. THESE AREAS SHALL BE MULCHED WITH STRAW. MULCH SHALL BE SPREAD UNIFORMLY IN A CONTINUOUS BLANKET OF SUFFICIENT THICKNESS TO COMPLETELY HIDE THE SOIL FROM VIEW.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS DURING CONSTRUCTION TO INSURE THAT CHANNELS, DITCHES AND PIPES ARE CLEAR OF DEBRIS AND THAT THE EROSION CONTROL BARRIERS ARE INTACT.

CONTRACTOR SHALL PROVIDE DUST CONTROL FOR CONSTRUCTION OPERATIONS AS APPROVED BY OWNER.

DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE.

STRAWBALE CHECK DAMS SHALL BE PROVIDED AROUND ALL EXISTING DRAIN INLETS PRIOR TO CONSTRUCTION ACTIVITIES TO CONTROL SILTATION.

EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE WETLANDS.

ADDITIONAL STRAW WATTLES SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE.

CLEAN AND MAINTAIN EROSION CONTROL BARRIER AND PORTADAM AS REQUIRED DURING AND AFTER CONSTRUCTION OPERATIONS TO ENSURE ITS CONTINUED FUNCTIONALITY.

THE CONTRACTOR SHALL REMOVE ALL EROSION CONTROL BARRIERS AFTER REVEGETATION OF DISTURBED AREAS AND AFTER APPROVAL OF THE CONSERVATION COMMISSION AND WETLAND SCIENTIST.

INSTALL PORTADAM IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

GRADING AND DRAINAGE NOTES

BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-344-7233 TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE.

THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE OWNER AND ENGINEER FOR RESOLUTION.

CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS WILL BE RESTORED TO ORIGINAL CONDITION.

EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.

STOCKPILED SOIL SHALL BE PLACED NEATLY IN AN AREA AS INDICATED ON THE SITE PLANS.

PITCH EVENLY BETWEEN SPOT GRADES.

ACCEPTANCE OF FINAL GRADING SHALL NOT OCCUR UNTIL THE CREATION AREA HAS BEEN SUBJECTED TO A MINIMUM OF SIX TIDAL CYCLES. A SURVEY SHALL THEN BE CONDUCTED TO DETERMINE IF SUPPLEMENTAL BACKFILL MATERIALS ARE NECESSARY TO ACHIEVE REQUIRED ELEVATIONS FOR PLANTING. BACKFILL MATERIALS SHALL ALSO BE ALLOWED TO SETTLE FOR A MINIMUM OF SIX TIDAL CYCLES PRIOR TO PLANTING.

SALT MARSH CONSTRUCTION GUIDELINE

FLAG OR STAKE LIMITS OF SALT MARSH CREATION AREA.

OVER EXCAVATE AND REMOVE SOIL TO 12" BELOW FINAL GRADE ELEVATIONS AS NOTED. TO ACHIEVE FINAL GRADE, BACKFILL OVER EXCAVATION WITH MARSH BASE AS SPECIFIED BY THE WETLAND SCIENTIST. PEAT SOILS ENCOUNTERED DURING EXCAVATION MAY BE LEFT IN PLACE. IF TEMPORARY STOCKPILING OF WETLAND SOIL IS NECESSARY, MATERIAL MUST BE COVERED TO PREVENT LEACHING, MOISTURE LOSS AND SEDIMENT TRANSPORT.

EROSION CONTROL BARRIERS AND PORTADAM AS SPECIFIED ARE TO BE MAINTAINED THROUGHOUT AND FOLLOWING THE CONSTRUCTION PERIOD UNTIL THE SALT MARSH CREATION AREA BECOMES STABILIZED AND THEIR REMOVAL HAS BEEN AUTHORIZED BY THE WETLAND SPECIALIST OR CONSERVATION COMMISSION. DILAPIDATED STRAW WATTLES AND/OR EROSION CONTROL BARRIER SHALL BE REPLACED AS REQUIRED TO MAINTAIN THE INTEGRITY OF THE BARRIER.

UPON APPROVAL BY THE WETLAND SCIENTIST, PLANT SPECIFIED TREE, SHRUB AND/OR HERBACEOUS WETLAND PLANTINGS WITHIN THE DESIGNATED AREA(S) AS NOTED. FOLLOWING PLANTING, PLACE SEED MIX THROUGHOUT THE SALT MARSH CREATION AREA AS SPECIFIED. SPACING OF WETLAND PLANTINGS AND SEEDING APPLICATION RATES SHALL BE DETERMINED BY THE WETLAND SCIENTIST. PRIOR TO PLANTING OR SEEDING, THE WETLAND SCIENTIST MUST APPROVE THE PLANT MATERIALS.

PLANTING WILL PREFERABLY OCCUR DURING THE SPRING PLANTING PERIOD. DEVIATIONS FROM THE PLANTING SCHEDULE AND/OR APPROVED PLANTING LIST MUST BE APPROVED IN ADVANCE BY THE WETLAND SCIENTIST.

THE SALT MARSH CREATION AREA SHALL BE EVALUATED DURING THE FIRST AND SECOND GROWING SEASONS TO DETERMINE PLANT SURVIVAL. THE CONSERVATION COMMISSION SHALL BE NOTIFIED OF EXISTING SITE CONDITIONS AND ANY CORRECTIVE ACTION IF NECESSARY. AT LEAST 75 PERCENT OF THE SURFACE AREA SHALL BE ESTABLISHED WITH INDIGENOUS WETLAND PLANT SPECIES WITHIN TWO GROWING SEASONS.

INCORPORATED BY REFERENCE ARE THE PROVISIONS OF THE SUBJECT ORDER OF CONDITIONS ISSUED BY THE CONSERVATION COMMISSION AND ANY OTHER PERMITS.

A TIME-RELEASE FERTILIZER SHALL BE USED FOR MARSH ELDER AND SLOPE PLANTINGS.

TRANSPLANTATION OF EXISTING *SPARTINA ALTERNIFLORA* AND OTHER EXISTING SALT MARSH PLANTS WILL BE PERFORMED DURING THE GROWING SEASON USING A GRADING BUCKET. MARSH BASE AS SPECIFIED BY THE WETLAND SCIENTIST WILL BE USED TO SMOOTH TRANSPLANTED AREAS, AND A BEANPOLE WILL BE PLACED THROUGH THE CENTER OF TUSSOCKS TO KEEP TRANSPLANTED SPECIMENS IN PLACE.

ANY PLANT MATERIALS FROM *PHRAGMITES AUSTRALIS* OR OTHER INVASIVE SPECIES ENCOUNTERED DURING SITE PREPARATION AND EXCAVATION ARE TO BE DISPOSED OF AT AN APPROVED OFF-SITE LOCATION.

ALL PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED BY THE AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.

NO PLANT SHALL BE PLANTED BEFORE ACCEPTANCE OF ROUGH GRADING.

ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE.

PEAT AND ORGANIC MATERIAL IS TO BE PROPERLY STOCKPILED AND USED FOR PREPARATION OF PROPOSED WETLAND AREA. SEED SHALL BE FRESH, RECLEANED SEED OF THE LATEST CROP. SEED SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL CONTAINERS WHICH SHALL BEAR THE VENDOR'S GUARANTEE OF ANALYSIS.

REMOVE ALL ROCKS AND DEBRIS FROM SOIL SURFACE AND GRADE TO AN EVEN SURFACE.

PLANTING SEED SHALL BE SOWN EVENLY WITH MECHANICAL SPREADER OR BY HAND. ALL SEEDING SHALL BE DONE ON DAYS WHEN THE WIND DOES NOT EXCEED A VELOCITY OF FIVE (5) MILES PER HOUR AND THE SEED SHALL BE DRY.

STRAW MULCH SHALL BE SPREAD UNIFORMLY OVER ALL SEEDED AREAS AT THE RATE OF TWO (2) BALES PER ONE THOUSAND (1,000) SQUARE FEET. EXCAVATED SOIL TO BE DISPOSED OF AS DIRECTED BY THE OWNER OR ITS REPRESENTATIVE.

PEAT SOILS TO BE UTILIZED IN THE SALT MARSH CREATION AREA SHALL NOT BE HARVESTED IN A DESTRUCTIVE MANNER FROM EXISTING WETLANDS.

DURING DROUGHT PERIODS THE CONTRACTOR SHALL MAINTAIN MOISTURE IN STOCKPILED SOILS THAT WILL BE USED ON-SITE.

HERBACEOUS SALT MARSH PLANTS AND SOILS FROM EXISTING SALT MARSH AREAS TO BE IMPACTED BY PROPOSED WORK SHALL BE TRANSPLANTED/TRANSLOCATED TO THE CREATION AREA OR REUSED TO RESTORE THE TEMPORARILY IMPACTED EXISTING SALT MARSH AREA.

PLANTS SHALL NOT BE STORED ON-SITE FOR LONGER THAN TWO WEEKS.

A NITROGEN RICH SLOW RELEASE FERTILIZER MAY BE ADDED TO EACH PLANTING HOLE PRIOR TO CLOSING.

THE ORGANIC CONTENT OF THE SOIL SUBSTRATE WITHIN THE SALT MARSH CREATION AREA SHALL BE DETERMINED BY MATCHING THAT WITHIN THE ADJACENT EXISTING SALT MARSH. SPECIFICALLY REFERENCE SAMPLES SHALL BE TAKEN FROM THE EXISTING LOW AND HIGH MARSHES TO DETERMINE WHAT THE ORGANIC CONTENT OF THE PROPOSED LOW AND HIGH MARSHES SHALL BE.

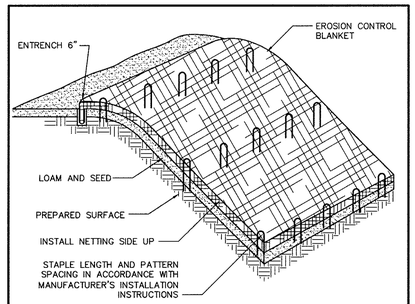
REFERENCES

1) ALL EXISTING CONDITIONS INCLUDING RESOURCE AREAS (WITH THE EXCEPTION OF SALT MARSH) PROVIDED BY CITY OF NEW BEDFORD, DEPARTMENT OF PUBLIC INFRASTRUCTURE CAD FILE ENTITLED, "RIVERS END PARK PROJECT "PHASE II SCOPE", DATED JULY 10, 2012 AND RECEIVED BY BEALS AND THOMAS, INC ON JULY 13, 2012.

2) ALL ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).

3) THE PARCEL SHOWN IS LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE AS SHOWN ON "FLOOD INSURANCE RATE MAP, CITY OF NEW BEDFORD, MASSACHUSETTS", BRISTOL COUNTY, COMMUNITY PANEL NUMBER 25005C0391F, EFFECTIVE DATE JULY 7, 2009.

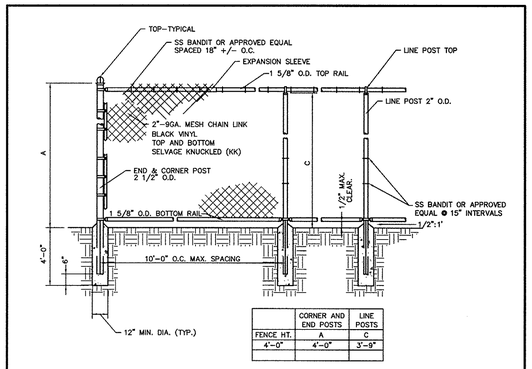
4) SALT MARSH DELINEATED AND SUB-METER GPS LOCATED BY BEALS AND THOMAS, INC. ON OCTOBER 18, 2012.



NOTE: TO BE INSTALLED ON ALL SLOPES STEEPER THAN 3:1 UNLESS OTHERWISE NOTED.

SLOPE STABILIZATION

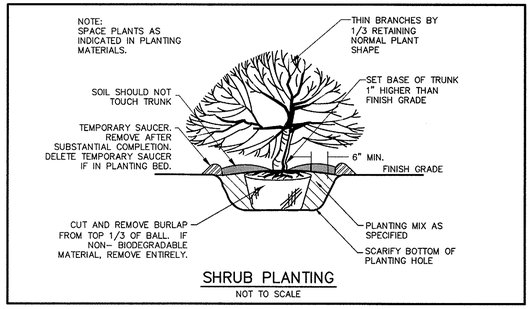
NOT TO SCALE



FENCE HT.	CORNER AND END POSTS A	LINE POSTS C
4'-0"	4'-0"	3'-9"

CHAIN LINK FENCE

NOT TO SCALE



SHRUB PLANTING

NOT TO SCALE

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PREPARED BY:
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Civil Engineers + Landscape Architects + Land Surveyors + Planners + Environmental Specialists

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	ISSUE DATE	DESCRIPTION

DES	DWN	CHK'D	APP'D

PROJECT:

SALT MARSH CREATION AT RIVERS END PARK

NEW BEDFORD, MASSACHUSETTS

SCALE: AS NOTED DATE: OCTOBER 22, 2012

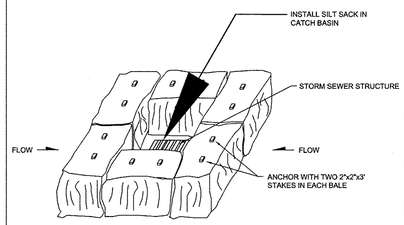
NOTES AND SITE DETAILS

B+T JOB NO. 1714.10

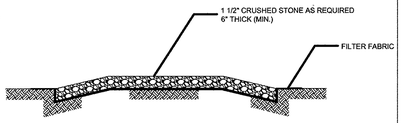
B+T PLAN NO. 171410P033A-004

SHEET 4 OF 5

4

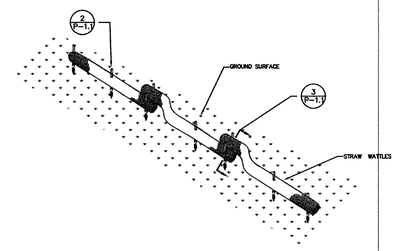


STRAWBALE INSTALLATION AT CATCH BASINS (4 / P-1.1)
NO SCALE

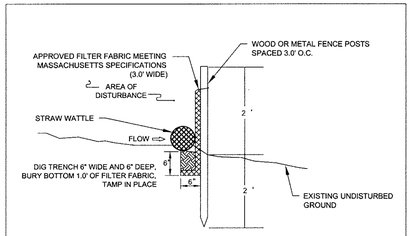


NOTES:
1. ANTI-TRACKING PAD TO BE REMOVED BY THE CONTRACTOR AFTER THE COMPLETION OF CONSTRUCTION (SEE SPECIFICATIONS FOR DETAILS).
2. FILTER FABRIC SHALL BE INSTALLED BELOW ANTI-TRACKING PAD.

ANTI-TRACKING PAD (SECTION) (7 / P-1.1)
NO SCALE

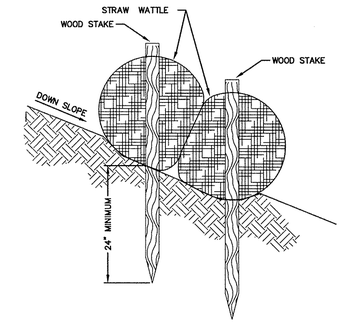


STRAW WATTLE (1 / P-1.1)
NO SCALE

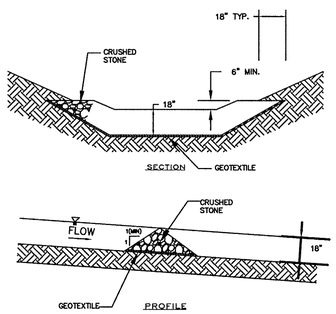


NOTES:
1. SILT FENCING SHALL BE PLACED AS SHOWN ON PROJECT DRAWINGS.
2. BOTTOM 1 FOOT OF SILT FENCING SHALL BE BURIED IN 6" X 6" TRENCH DUG AT BASE OF FENCING.
3. SILT FENCING SHALL BE ANCHORED IN PLACE WITH WOODEN OR METAL FENCE POSTS SPACED AT 3 FT. O.C.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE PROMPT (WHEN NEEDED).
5. SILT FENCING SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS.
6. SILT FENCING TO BE PLACED DOWN-GRADIENT OF HAY BALES.

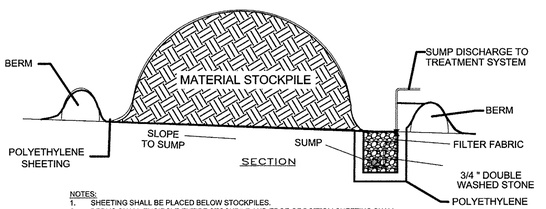
SILT FENCE (SECTION) (8 / P-1.1)
NO SCALE



STAKE DETAIL (3 / P-1.1)
NO SCALE
SECTION VIEW

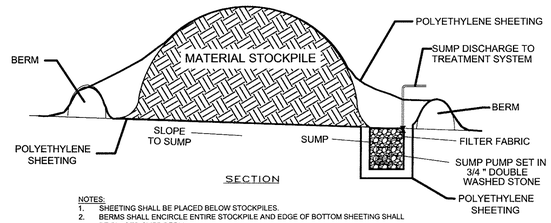


STONE CHECK DAM (9 / P-1.1)
NO SCALE



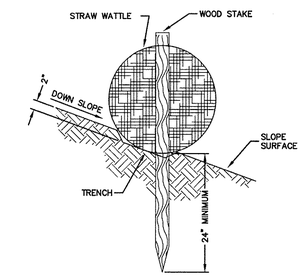
NOTES:
1. SHEETING SHALL BE PLACED BELOW STOCKPILES.
2. BERMS SHALL ENCIRCLE ENTIRE STOCKPILE AND EDGE OF BOTTOM SHEETING SHALL BE PLACED OVER BERM.
3. CONTRACTOR MAY PROPOSE ALTERNATE METHODOLOGY FOR DEWATERING NON-CONTAMINATED MATERIALS. ALTERNATE METHODOLOGY SHALL CONTROL THE FLOW OF DEWATERING FLUIDS AND DIRECT DEWATERING FLUIDS TO A TREATMENT SYSTEM.

MATERIAL STOCKPILE (UNIMPACTED MATERIALS) (5 / P-1.1)
NO SCALE



NOTES:
1. SHEETING SHALL BE PLACED BELOW STOCKPILES.
2. BERMS SHALL ENCIRCLE ENTIRE STOCKPILE AND EDGE OF BOTTOM SHEETING SHALL BE PLACED OVER BERM.
3. SHEETING SHALL BE PLACED OVER STOCKPILE.

MATERIAL STOCKPILE (CONTAMINATED MATERIAL) (6 / P-1.1)
NO SCALE



STAKE DETAIL ON BARE SOIL (2 / P-1.1)
NO SCALE

NOTE: DETAILS PROVIDED BY APEX COMPANIES, LLC

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ISSUE DATE	DESCRIPTION
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0 10/22/2012	FIRST ISSUE

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PROJECT:
SALT MARSH CREATION AT RIVERS END PARK
NEW BEDFORD, MASSACHUSETTS

SCALE: AS NOTED DATE: OCTOBER 22, 2012

NOTES AND SITE DETAILS

B+T JOB NO. 1714.10
B+T PLAN NO. 171410P033A-005
SHEET 5 OF 5

5

APPENDIX 3

SHELLFISH IMPACT ESTIMATE: SOUTH TERMINAL EXTENSION PROJECT

Filled Footprint (Inter-Tidal Only)

Data Drawn from Inter-Tidal Portion of Apex Companies, LLC Shellfish Survey **

SQFT/AREA	ACRES /SUBAREA
62290.8	1.43

	SEED	LITTLENECK	CHERRY	CHOWDER
Average Count per Square Meter**	1.33	1.33	0.00	0.89
Average Count per Square Foot	0.124	0.124	0	0.083
Shellfish Density by Size/Acre	5,396	5,396	0	3,597
Area of Impact - Acres	1.94	1.94	1.94	1.94
TOTAL number of Shellfish by Size	10,468	10,468	0	6,979

Total Shellfish Effected:	27,915

Filled Footprint and Under Pile-Supported Apron (Sub-Tidal Only)

Data Drawn From Sub-Tidal Portion of Apex Companies, LLC Shellfish Survey **

SQFT/AREA	ACRES /SUBAREA
206039	4.73

	SEED	LITTLENECK	CHERRY	CHOWDER
Average Count per Square Meter**	4.00	3.33	2.00	4.33
Average Count per Square Foot	0.372	0.309	0	0.402
Shellfish Density by Size/Acre	16,188	13,476	0	17,523
Area of Impact - Acres	4.73	4.73	4.73	4.73
TOTAL number of Shellfish by Size	76,568	63,743	0	82,885

Total Shellfish Effected:	223,197

South Terminal CDF Boat Basin and Channels

Data Drawn From Standing Crop Survey*

SUBAREA*	SQFT/ SUBAREA*	ACRES /SUBAREA*
I7A	1,579,050	36.25

	SEED	LITTLENECK	CHERRY	CHOWDER
AVE/SQFT*	0.27	0.65	0.90	0.80
TOTAL/SUBAREA*	426,344	1,026,383	1,421,145	1,263,240
Shellfish Density by Size/Acre	11,761	28,314	39,204	34,848
Area of Impact - Acres	23.77	23.77	23.77	23.77
TOTAL number of Shellfish by Size	279,564	673,024	931,879	828,337

Total Shellfish Effected:	2,712,804

Gifford Street Channel Relocation and Northern Mooring Mitigation Area

Data Drawn From Standing Crop Survey*

SUBAREA*	SQFT/ SUBAREA*	ACRES /SUBAREA*
I7A	1,579,050	36.25

	SEED	LITTLENECK	CHERRY	CHOWDER
AVE/SQFT*	0.27	0.65	0.90	0.80
TOTAL/SUBAREA*	426,344	1,026,383	1,421,145	1,263,240
Shellfish Density by Size/Acre	11,761	28,314	39,204	34,848
Area of Impact - Acres	3.48	3.48	3.48	3.48
TOTAL number of Shellfish by Size	40,929	98,533	136,430	121,271

Total Shellfish Effected:	397,163

SHELLFISH IMPACT ESTIMATE: SOUTH TERMINAL EXTENSION PROJECT

Southern Mooring Mitigation Area

Data Drawn From Standing Crop Survey*

SUBAREA*	SQFT/ SUBAREA*	ACRES /SUBAREA*
I7B	568,458	13.05

	SEED	LITTLENECK	CHERRY	CHOWDER
AVE/SQFT*	1.62	4.19	6.07	6.60
TOTAL/SUBAREA*	920,902	2,381,839	3,450,540	3,751,823
Shellfish Density by Size/Acre	70,567	182,516	264,409	287,496
Area of Impact - Acres	2.69	2.69	2.69	2.69
TOTAL number of Shellfish by Size	189,826	490,969	711,261	773,364

Total Shellfish Effected:	2,165,420

Federal Channel Maintenance Dredging

Data Drawn From Standing Crop Survey*

SUBAREA*	SQFT/ SUBAREA*	ACRES /SUBAREA*
I5	2,905,452	66.7

	SEED	LITTLENECK	CHERRY	CHOWDER
AVE/SQFT*	0.08	0.25	0.27	0.10
TOTAL/SUBAREA*	232,436	726,363	784,472	290,545
Shellfish Density by Size/Acre	3,485	10,890	11,761	4,356
Area of Impact - Acres	15.00	15.00	15.00	15.00
TOTAL number of Shellfish by Size	52,272	163,350	176,418	65,340

Total Shellfish Effected:	457,380

CAD Cell Area

Data Drawn From Standing Crop Survey*

SUBAREA*	SQFT/ SUBAREA*	ACRES /SUBAREA*
I3	3,094,938	71.05

	SEED	LITTLENECK	CHERRY	CHOWDER
AVE/SQFT*	1.02	1.81	2.52	3.02
TOTAL/SUBAREA*	3,156,837	5,601,838	7,799,244	9,346,713
Shellfish Density by Size/Acre	44,431	78,844	109,771	131,551
Area of Impact - Acres	8.76	8.76	8.76	8.76
TOTAL number of Shellfish by Size	389,217	690,670	961,596	1,152,389

Total Shellfish Effected:	3,193,871

Winter Flounder Capping Area

Data Drawn from Standing Crop Survey*

SUBAREA*	SQFT/ SUBAREA*	ACRES /SUBAREA*
16	4,660,920	107

	SEED	LITTLENECK	CHERRY	CHOWDER
AVE/SQFT*	0.019	0.037	0.076	0.171
TOTAL/SUBAREA*	88,557	172,454	354,230	797,017
Shellfish Density by Size/Acre	828	1,612	3,311	7,449
Area of Impact - Acres	22.73	22.73	22.73	22.73
TOTAL number of Shellfish by Size	18,812	36,634	75,249	169,310

Total Shellfish Effected:	300,006

SHELLFISH IMPACT ESTIMATE: SOUTH TERMINAL EXTENSION PROJECT

OU-3 Capping Area

Standing Crop Survey Subarea Population Estimate*

SUBAREA*	SQFT/ SUBAREA*	ACRES/ SUBAREA*
4	1,742,400	40

	SEED	NECK	CHERRY	CHOWDER
AVE/SQFT*	0.1	0.041	0.092	0.169
TOTAL/SUBAREA*	174,240	71,438	160,301	294,466
Shellfish Density by Size/Acre	4,356	1,786	4,008	7,362
Area of Impact - Acres	19.38	19.38	19.38	19.38
TOTAL number of Shellfish by Size	84,419	34,612	77,666	142,669

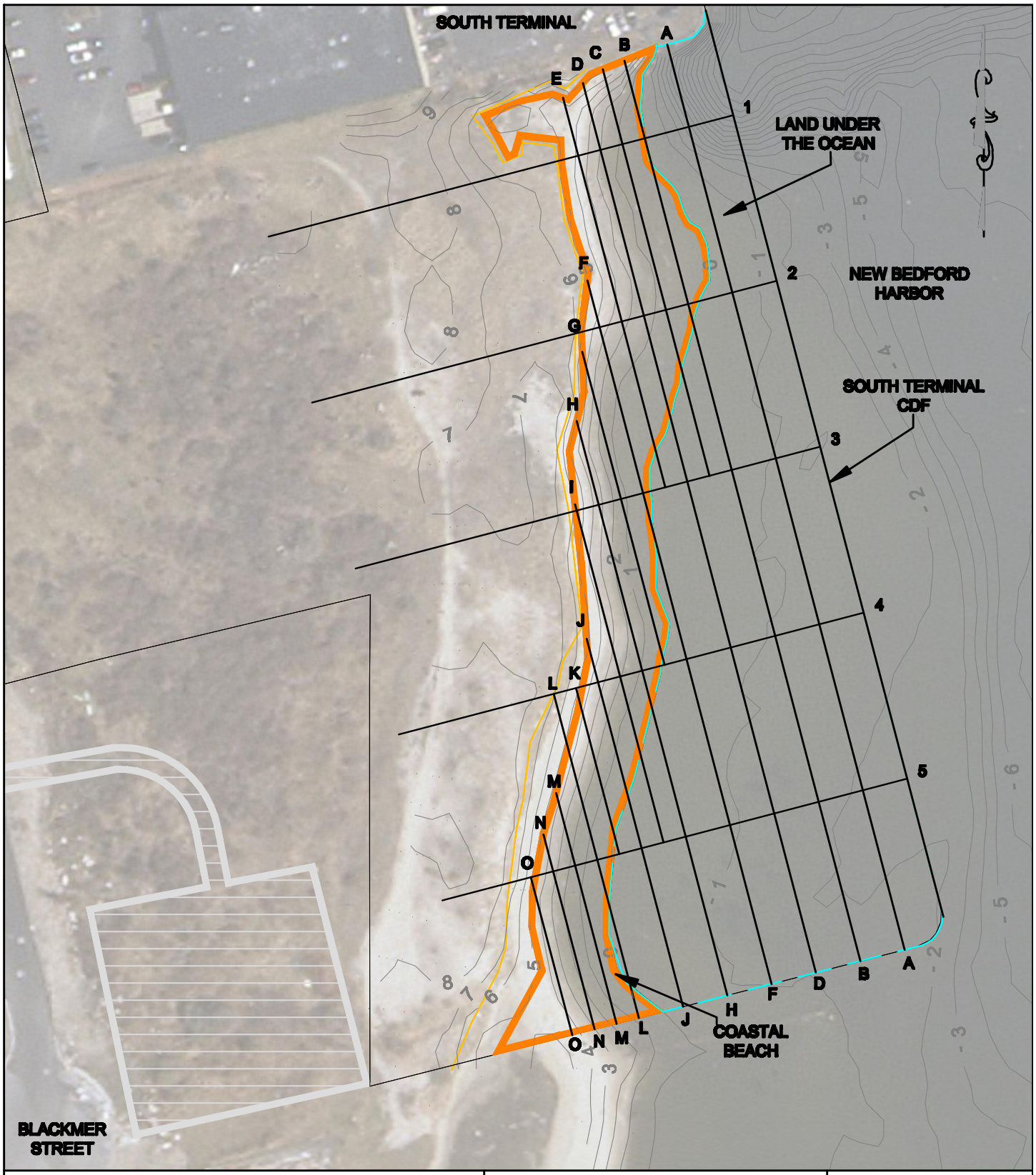
Total Shellfish Effected:	339,366

Estimate of Total Shellfish Impact:

Filled Footprint (Intertidal Only):	27,915
Filled Footprint (Subtidal Only):	223,197
South Terminal CDF Boat Basin and Channel:	2,712,804
Gifford Street Channel Relocation and Northern Mooring Mitigation Area:	397,163
Southern Mooring Mitigation Area:	2,165,420
Federal Channel Maintenance Dredging:	457,380
CAD Cell Area:	3,193,871
Winter Flounder Capping Area:	300,006
OU-3 Capping Area:	339,366
Estimate of Total Shellfish Impact:	**9,817,121**

*Number of Quahogs estimated in Whittaker, 1999 "Quahog Standing Crop Survey", Massachusetts Department of Marine Fisheries. See pages B-5, B-11, B-`16, B-19, C-4 and C-16 for detailed distribution information in these subareas.

**Number of Quahogs estimated via shellfish survey completed on April 29, 2010 by Apex Companies, LLC, contained within the report entitled "State Enhanced Remedy in New Bedford, South Terminal", dated August 25, 2010.



Apex Companies, LLC APEX COMPANIES, LLC 184 HIGH STREET, BOSTON, MA. 02110 1 WAMSUTTA STREET, NEW BEDFORD, MA 02740	NEW BEDFORD HARBOR DEVELOPMENT COMMISSION	FIGURE 1
SCALE: 0 30 60 120 240 FEET	PROJECT TITLE: SOUTH TERMINAL CDF SHELLFISH SURVEY	DRAWING TITLE: SHELLFISH SURVEY GRID AND SAMPLE LOCATIONS

Table 1: Recovered Shellfish and Invertebrate Data

Sample Location	Organism	Size (inches)	Number
A1	Quahog	2 1/2	2
	Quahog	2 1/4	2
	Quahog	2	1
	Quahog	2 3/4	3
	Quahog	3 3/4	1
	Common Oyster	2 1/2	1
A2	Quohog	2 7/8	1
	Quohog	1 1/2	1
	Quohog	3/4	1
A3	Quohog	2 1/2	1
A4	Hermit Crabs		7-10
	Shrimp	1 - 1 1/4	7-10
A5	Quohog	3	2
	Quohog	2 1/2	1
	Quohog	3 1/2	1
	Quohog	3 3/4	1
	Quohog	3 5/8	1
	Long Clawed Hermit Crab in Perwinkle Shell	1 1/2	1
B1	Common Oyster	2	1
	Common Oyster	2 1/4	1
	Common Oyster	3	1
	Common Oyster	4	1
	Common Oyster	2 7/8	1
	Common Oyster	2 3/4	1
	Quohog	2 1/4	1
	Quohog	2 5/8	1
	Quohog	1 7/8	1
	Quohog	3 1/2	1
	Quohog	2 3/8	1
	Quohog	2 1/2	1
	Quohog	1	2
	Quohog	1 1/2	2
	Quohog	1 1/4	1
	Quohog	1 3/8	1

Table 1: Recovered Shellfish and Invertebrate Data

Sample Location	Organism	Size (inches)	Number
B2	Common Oyster Quohog	3 1/8 2 3/8	1 1
B3	Common Oyster Common Oyster Smooth Periwinkle	2 3/4 3 3/8	1 1 2
B4	Quohog Quohog	3 1/2 3 1/8	1 1
B5	Quohog Quohog Quohog	2 1/2 3 3 1/2	2 1 1
C1	Smooth Periwinkle Common Oyster Common Oyster Common Oyster Common Oyster Quohog	3/8 2 1/2 2 1/8 1 7/8 2 1/4 2 7/8	2 1 1 1 1 1
C2	Milky Ribbon Worm Smooth Periwinkle Common Oyster	10 1/4 - 3/8 2 1/2	1 36 1
D1	Quohog Smooth Periwinkle	3 1/4 - 3/8	1 3
D2	Ribbed Mussel Ribbed Mussel Smooth Periwinkle	1 7/8 2 1/4 - 3/8	1 1 17
D3	No Findings		

Table 1: Recovered Shellfish and Invertebrate Data

Sample Location	Organism	Size (inches)	Number
D4	No Findings		
D5	Quahog	1 7/8	1
E1	No Findings		
E2	No Findings		
F2	No Findings		
F3	No Findings		
F4	No Findings		
F5	Smooth Periwinkle Quahog Quahog Quahog Quahog	5/8 3 2 3/8 2 5/8 3 1/8	1 2 1 1 1
G3	Dog Winkle/Young Waved Whelk Dog Winkle/Young Waved Whelk	7/8 7/8	1 1
H3	Soft-Shelled Clam Soft-Shelled Clam Smooth Periwinkle	1 2 1/4 3/8	1 1 1
H4	Dog Winkle/Young Waved Whelk Dog Winkle/Young Waved Whelk Quahog Unknown Polychaete	7/8 1 2 3	7 1 1 1
H5	Quahog Quahog Quahog Quahog Quahog	1 1/8 1 1/2 1 3/4 2 2 1/2	1 1 2 1 1

Table 1: Recovered Shellfish and Invertebrate Data

Sample Location	Organism	Size (inches)	Number
I3	No Findings		
I4	Soft-Shelled Clam Soft-Shelled Clam	2 3	1 1
J4	No Findings		
J5	No Findings		
K5	No Findings		
L5	No Findings		
M5	Quahog Quahog Quahog Quahog Unknown Polychaete	1 1/8 7/8 1 1/4 2 1/4 4 1/4	1 1 1 1 1
N5	No Findings		
O5	No Findings		

Table 2: Quahog Data

Sample Location	Organism	Size (inches)	Number	Class Size
A1	Quahog	2 1/2	2	Cherrystone
	Quahog	2 1/4	2	Littleneck
	Quahog	2	1	Littleneck
	Quahog	2 3/4	3	Chowder
	Quahog	3 3/4	1	Chowder
A2	Quohog	2 7/8	1	Chowder
	Quohog	1 1/2	1	Seed
	Quohog	3/4	1	Seed
A3	Quohog	2 1/2	1	Cherrystone
A4	No Quahogs Found Within Sample			
A5	Quohog	3	2	Chowder
	Quohog	2 1/2	1	Cherrystone
	Quohog	3 1/2	1	Chowder
	Quohog	3 3/4	1	Chowder
	Quohog	3 5/8	1	Chowder
B1	Quohog	2 1/4	1	Littleneck
	Quohog	2 5/8	1	Cherrystone
	Quohog	1 7/8	1	Seed
	Quohog	3 1/2	1	Chowder
	Quohog	2 3/8	1	Cherrystone
	Quohog	2 1/2	1	Cherrystone
	Quohog	1	2	Seed
	Quohog	1 1/2	2	Seed
	Quohog	1 1/4	1	Seed
	Quohog	1 3/8	1	Seed
B2	Quohog	2 3/8	1	Cherrystone
B3	No Quahogs Found Within Sample			

Table 2: Quahog Data

Sample Location	Organism	Size (inches)	Number	Class Size
B4	Quohog Quohog	3 1/2 3 1/8	1 1	Chowder Chowder
B5	Quohog Quohog Quohog	2 1/2 3 3 1/2	2 1 1	Cherrystone Chowder Chowder
C1	Quohog	2 7/8	1	Chowder
C2	No Quahogs Found Within Sample			
D1	Quohog	3	1	Chowder
D2	No Quahogs Found Within Sample			
D3	No Findings			
D4	No Findings			
D5	Quahog	1 7/8	1	Seed
E1	No Findings			
E2	No Findings			
F2	No Findings			
F3	No Findings			
F4	No Findings			

Table 2: Quahog Data

Sample Location	Organism	Size (inches)	Number	Class Size
F5	Quahog Quahog Quahog Quahog	3 2 3/8 2 5/8 3 1/8	2 1 1 1	Chowder Cherrystone Cherrystone Chowder
G3	No Quahogs Found Within Sample	7/8	1	Seed
H3	No Quahogs Found Within Sample			
H4	Quahog	2	1	Littleneck
H5	Quahog Quahog Quahog Quahog Quahog	1 1/8 1 1/2 1 3/4 2 2 1/2	1 1 2 1 1	Seed Seed Seed Littleneck Cherrystone
I3	No Findings			
I4	No Quahogs Found Within Sample	2	1	Littleneck
J4	No Findings			
J5	No Findings			
K5	No Findings			
L5	No Findings			
M5	Quahog Quahog Quahog Quahog	1 1/8 7/8 1 1/4 2 1/4	1 1 1 1	Seed Seed Seed Littleneck
N5	No Findings			
O5	No Findings			

Table 3a: Intertidal Relative Abundance Survey Calculations

Intertidal Shellfish Survey Statistics

Total Intertidal Survey Area[7]:	5,140 m^2
Intertidal Survey Area With No Quahogs[5]:	3,141 m^2
Percentage of Intertidal Survey Area With No Quahogs:	61%
Intertidal Survey Area With Quahogs[5]:	1,999 m^2
Percentage of Intertidal Survey Area With Quahogs:	39%

Average Shellfish Count Per Square Meter in Intertidal Survey Area[1,7]

Sample Location	Number Per Quadrat[1]					
	Quahogs				Oysters	Soft-Shelled Clam
	"Seed"	"Littlenecks"	"Cherrystones"	"Chowder"		
B2	0	1	0	0	1	0
C1	0	0	0	1	4	0
C2	0	0	0	0	1	0
D1	0	0	0	1	0	0
D2	0	0	0	0	0	0
H3	0	0	0	0	0	2
H4	0	1	0	0	0	0
I4	0	0	0	0	0	2
M5	3	1	0	0	0	0
Average Count per Intertidal Survey Quadrat[1]:	0.33	0.33	0	0.22	0.67	0.44
Average Count per Intertidal Survey Square Meter:	1.33	1.33	0	0.89	2.67	1.78

Notes:
1). Average Shellfish Count Per Square Meter in Intertidal Survey Area = Frequency of Shellfish In Intertidal Areas When Shellfish Present X Percentage of Impacted Area with Shellfish.
2). Percentage of Intertidal Survey Area with Shellfish assumed to be the same as the percentage of Intertidal Impacted Area with Shellfish.
3). Survey Area with (or without) Shellfish estimated based on recovery during shellfish survey.
4). Estimated count in Intertidal Impacted Area = Intertidal Average Count per Square Meter in Survey Area X Estimated Intertidal Impacted Area.
5). Impacted Area = Shellfish habitat to be impacted during New Bedford South Terminal CDF Project
6). Quahog Classifications from Table 1: Class Size Lengths, page 4, Quahog Standing Crop Survey, New Bedford/Fairhaven Inner and Outer Harbors, David K. Whittaker, Massachusetts Division of Marine Fisheries, June 6, 1999.
7). Survey Area = Area in which a manual shellfish survey was conducted on 5/2/2010 and 5/3/2010

Table 3b: Subtidal Relative Abundance Survey Calculations

Subtidal Shellfish Survey Statistics

Total Subtidal Survey Area[7]:	12,100 m^2
Subtidal Survey Area With No Quahogs[5]:	3,361 m^2
Percentage of Subtidal Survey Area With No Quahogs:	28%
Subtidal Survey Area With Quahogs[5]:	8,739 m^2
Percentage of Subtidal Survey Area With Quahogs:	72%

Average Shellfish Count Per Square Meter in Subtidal Survey Area[1,7]

Sample Location	Number Per Quadrat[1]					
	Quahogs				Oysters	Soft-Shelled Clam
	"Seed"	"Littlenecks"	"Cherrystones"	"Chowder"		
A1	1	2	1	1	1	0
A2	2	0	0	1	0	0
A3	0	1	0	0	0	0
A5	0	1	0	4	0	0
B1	5	2	2	1	6	0
B2	0	1	0	0	1	0
B3	0	0	0	0	2	0
B4	0	0	0	2	0	0
B5	0	0	1	2	0	0
D5	1	0	0	0	0	0
F5	0	1	1	2	0	0
H5	3	2	1	0	0	0
Average Count per Subtidal Survey Quadrat[1]	1.00	0.83	0.50	1.08	0.83	0.00
Average Count per Subtidal Survey Square Meter:	4.00	3.33	2	4.33	3.33	0.00

Notes:
1). Average Shellfish Count Per Square Meter in Subtidal Survey Area = Frequency of Shellfish In Subtidal Areas When Shellfish Present X Percentage of Impacted Area with Shellfish.
2). Percentage of Subtidal Survey Area with Shellfish assumed to be the same as the percentage of Subtidal Impacted Area with Shellfish.
3). Survey Area with (or without) Shellfish estimated based on recovery during shellfish survey.
4). Estimated count in Subtidal Impacted Area = Subtidal Average Count per Square Meter in Survey Area X Estimated Subtidal Impacted Area.
5). Impacted Area = Shellfish habitat to be impacted during New Bedford South Terminal CDF Project
6). Quahog Classifications from Table 1: Class Size Lengths, page 4, Quahog Standing Crop Survey, New Bedford/Fairhaven Inner and Outer Harbors, David K. Whittaker, Massachusetts Division of Marine Fisheries, June 6, 1999.
7). Survey Area = Area in which a manual shellfish survey was conducted on 5/2/2010 and 5/3/2010

SITE: 4-0122.1
BREAK: 17.02
OTHER: Rt 57

QUAHOG STANDING CROP SURVEY

New Bedford/Fairhaven
Inner and Outer Harbors

DRAFT

David K. Whittaker
Marine Fisheries Biologist

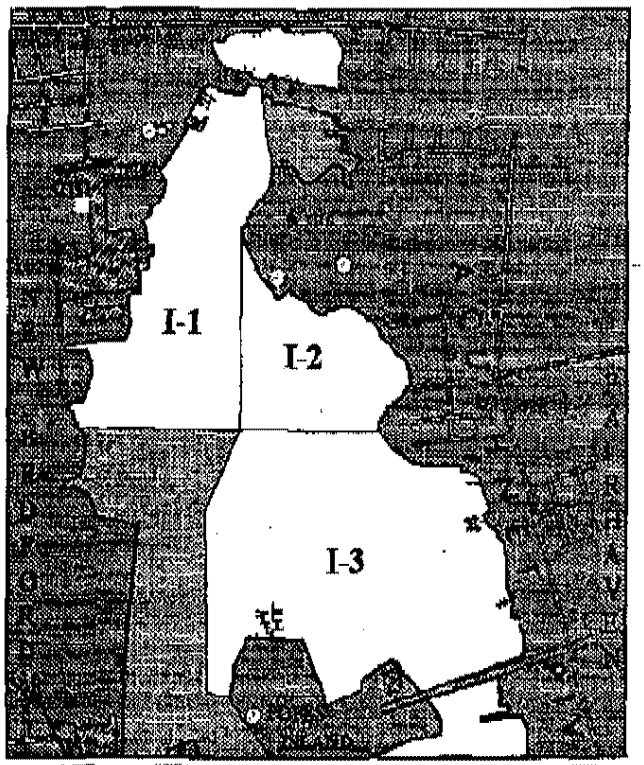
June 6, 1999

Funds for this study were provided by the New Bedford Harbor Trustee Council.

total standing crop. The cherrystone size category followed closely with 25.98%. These two size categories constitute approximately 67% of the standing crop. Littleneck comprise 17.9% and seed 15.31% of the standing crop.

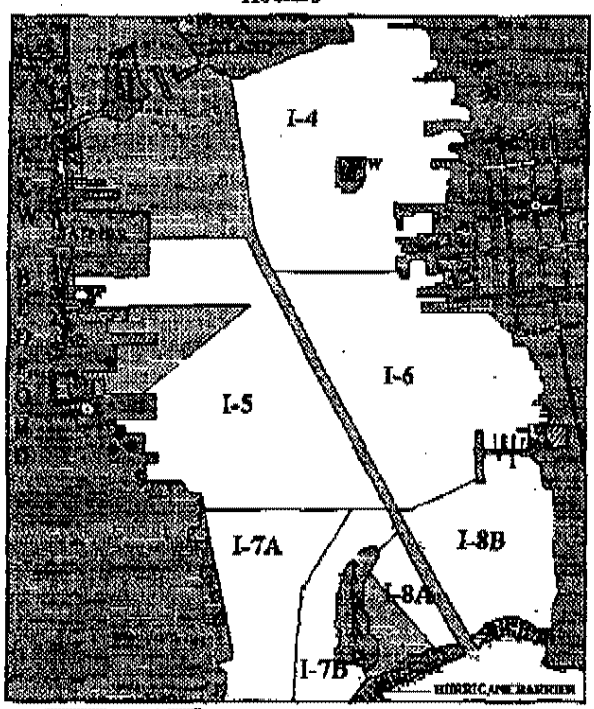
Observations indicate that the greatest percentages of "chowders" were found in sampling unit areas I-2 (Fig. 2) just south of Marsh Island and sampling unit area I-8A (Fig. 3) just northwest of the hurricane barrier opening. Significant percentages of greater than thirty for "cherrystones" were found in sampling unit areas I-3, along the Fairhaven shoreline just north of the Fairhaven Bridge, I-5 on the New Bedford shoreline fronting the fishing fleet piers, I-6 on the Fairhaven shoreline

FIGURE 2



NEW BEDFORD INNER HARBOR STANDING CROP SURVEY (UPPER PORTION)

FIGURE 3



NEW BEDFORD INNER HARBOR STANDING CROP SURVEY (LOWER PORTION)

fronting their fishing piers, and I-7A and I-7B in Palmer's Cove. Littlenecks in percentages greater than twenty were found in sampling unit areas I-3, I-5, I-7A and I-7B. Seed in abundances greater than ten percent were found in six of the ten sampling unit areas with sampling unit area I-4, on the Fairhaven shoreline just south of the Fairhaven Bridge, exhibiting the greatest at 18.93%.

The range of average adjusted quahog densities by size class for the inner harbor are: seed, 0.08/ft^2 to 2.28/ft^2; littlenecks, 0.16/ft^2 to

NEW BEDFORD INNER HARBOR
Subarea I-3

Sub Area	Sta #	SqFt/ Subarea	Acres/ Subarea	Seed/ SqFt	Neck/ SqFt	Cherry/ SqFt	Chowder/ SqFt
I3	100	3,094,938	71.05	0.00	0.00	0.70	1.41
	101			0.00	0.70	0.00	0.00
	102			0.00	0.70	0.00	0.00
	103			0.00	0.00	0.70	0.00
	104			2.11	0.70	1.41	7.75
	80			0.00	0.70	0.70	0.70
	82			0.00	0.00	0.70	0.00
	84			5.63	8.45	5.63	3.52
	85			1.41	0.00	0.00	0.00
	85A			2.11	2.11	2.11	2.11
	86			1.41	1.41	1.41	0.00
	87			4.93	13.38	16.20	12.68
	89			0.00	0.00	3.52	4.23
	89A			1.41	0.00	2.11	5.63
	92			0.00	0.00	1.41	11.27
	93			0.70	4.23	12.68	5.63
	94			0.00	2.11	0.70	2.82
	95			0.70	1.41	0.00	2.11
	98			0.00	0.00	0.00	0.00
	99			0.06	0.21	0.49	0.53
			Avg./sqft:	**1.02**	**1.81**	**2.52**	**3.02**
			Total/Subarea:	**3,156,837**	**5,601,838**	**7,799,244**	**9,346,713**
			Total Bushels/Subarea:		**13,338**	**32,497**	**77,889**
			Total Bushels/Acre:		**187.72**	**457.38**	**1,096**

Other Species Noted: Oysters along eastern shore of subarea and north shore of Pope's Island. Soft shelled clams in deeper water from station 103 northward.

BottomType in Subarea: Thick black mud east end of Pope's Island. Muddy sand with small cobble along north shore of Island (much discarded debris). Firm sand with mud between Island and Brightman Marina. Large mud pocket in center of subarea (stations 93 to 103).

NEW BEDFORD INNER HARBOR
Subarea I-5

Sub Area	Sta #	SqFt/ Subarea	Acres/ Subarea	Seed/ SqFt	Neck/ SqFt	Cherry/ SqFt	Chowder/ SqFt
I5	*25*	*2,905,452*	*66.7*	*0.13*	*0.45*	*0.59*	*0.09*
	30			0.04	0.07	0.09	0.02
	31			0.07	0.22	0.40	0.17
	32			0.01	0.03	0.04	0.03
	33			0.00	0.00	0.00	0.00
	41			0.22	0.52	0.78	0.50
	43			0.02	0.07	0.02	0.03
	49			0.04	0.29	0.31	0.12
	51A			0.37	1.12	0.65	0.17
	52			0.00	0.03	0.05	0.02
	53			0.00	0.00	0.00	0.00
			Avg./sqft:	**0.08**	**0.25**	**0.27**	**0.10**
			Total/Subarea:	**232436**	**726,363**	**784,472**	**290,545**
			Total Bushels/Subarea:		**1,729**	**3,269**	**2,421**
			Total Bushels/Acre:		**25.93**	**49.01**	**36.3**

Other Species Noted: Channeled whelk. Knobbed whelk. Starfish. Much ulva.

BottomType in Subarea: Firm mud with sand and medium cobble station 32. Mud with sand at Coal Pocket Pier. Smelly mud at station 52. Otherwise muddy sand with varying sized debris.

SUBAREA	STATION	SEED	NECK	CHERRY	CHOWDER
I-5	25	10.50%	35.71%	46.64%	7.14%
	30	16.67%	33.33%	41.67%	8.33%
	31	7.84%	25.49%	47.06%	19.61%
	32	7.14%	25.00%	39.29%	28.57%
	33	0.00%	0.00%	0.00%	0.00%
	41	10.75%	25.70%	38.79%	24.77%
	43	12.50%	50.00%	12.50%	25.00%
	49	5.83%	38.12%	40.81%	15.25%
	51A	16.01%	48.40%	28.11%	7.47%
	52	1.79%	26.79%	55.36%	16.07%
	53	0.00%	0.00%	0.00%	0.00%
	Avg. %:	**9.89**	**34.28**	**38.91**	**16.91**

QUAHOG STANDING CROP ASSESSMENT
NEW BEDFORD INNER HARBOR
Subarea I-7A

Sub Area	Sta #	SqFt/ Subarea	Acres/ Subarea	Seed/ SqFt	Neck/ SqFt	Cherry/ SqFt	Chowder/ SqFt
I7A	1	1,579,050	36.25	0.15	0.36	0.41	1.49
	12			0.00	0.08	0.13	0.02
	13			0.00	0.03	0.04	0.02
	14			0.12	0.32	0.73	0.68
	1A			0.00	2.11	1.41	1.41
	1B			0.00	0.00	0.70	0.00
	1C			0.00	0.00	0.70	2.11
	1D			0.00	0.70	0.70	0.70
	1E			0.00	0.00	0.00	0.00
	1F			0.00	0.70	0.70	0.00
	1G			0.00	0.00	0.00	0.00
	2			0.00	0.00	0.83	0.41
	3			0.11	0.67	0.64	0.17
	5			0.05	0.42	0.47	0.18
	X			2.82	2.82	0.00	0.00
	Y			0.00	0.00	1.41	3.52
	Z			1.41	2.82	6.34	2.82
			Avg./sqft:	**0.27**	**0.65**	**0.90**	**0.80**
			Total/Subarea:	**426,344**	**1,026,383**	**1,421,145**	**1,263,240**
			Total Bushels/Subarea:		**2,444**	**5,921**	**10,527**
			Total Bushels/Acre:		**67.41**	**163.35**	**290.4**

Other Species Noted: Many oysters. Some Crepidula. Many soft shelled clams along western shore of subarea. Much ulva.

BottomType in Subarea: Black mud with strong odor proximal to hurricane barrier. Sandy mud along western shoreline. Sandy mud with odor at station 12. Firm sand with mud and small cobble around station 3.

NEW BEDFORD INNER HARBOR
Subarea I-7B

Sub Area	Sta #	SqFt/ Subarea	Acres/ Subarea	Seed/ SqFt	Neck/ SqFt	Cherry/ SqFt	Chowder/ SqFt
I7B	11B	568,458	13.05	1.41	3.52	9.86	11.97
	11C			2.11	8.45	4.93	4.93
	11C			1.41	3.52	9.15	9.15
	15			0.14	0.45	0.36	0.05
	15B			0.00	2.11	10.56	13.38
	15C			0.00	0.00	1.41	4.23
	15D			2.11	0.70	4.23	17.61
	20			0.08	0.32	0.64	0.38
	2C			0.70	10.56	8.45	1.41
	2D			6.34	4.23	7.04	13.38
	2E			4.93	7.04	11.27	9.86
	2F			0.00	3.52	1.41	7.04
	2G			0.70	2.11	10.56	10.56
	2H			0.00	0.00	2.82	2.82
	2I			1.41	2.82	4.23	9.15
	4			0.06	0.17	0.35	0.30
	4A			1.41	2.82	0.70	0.70
	4C			5.35	1.78	14.27	5.35
	4D			0.00	5.63	17.61	16.20
	4E			0.00	0.70	2.11	2.11
	5A			4.93	14.08	5.63	4.23
	5B			2.11	21.13	7.75	7.04
	5C			2.11	0.70	4.23	0.00
			Avg./sqft:	**1.62**	**4.19**	**6.07**	**6.60**
			Total/Subarea:	**920,902**	**2,381,839**	**3,450,540**	**3,751,823**
			Total Bushels/Subarea:		**5,671**	**14,377**	**31,265**
			Total Bushels/Acre:		**434.56**	**1,101.71**	**2,395.8**

Other Species Noted: Many oysters along hurricane barrier and Palmer's Island. Many soft shelled clams at southern end of Palmer's Island and some up western shoreline of island. Much *Crepidula* in deeper water. Oil sheen on quahogs at station 20.

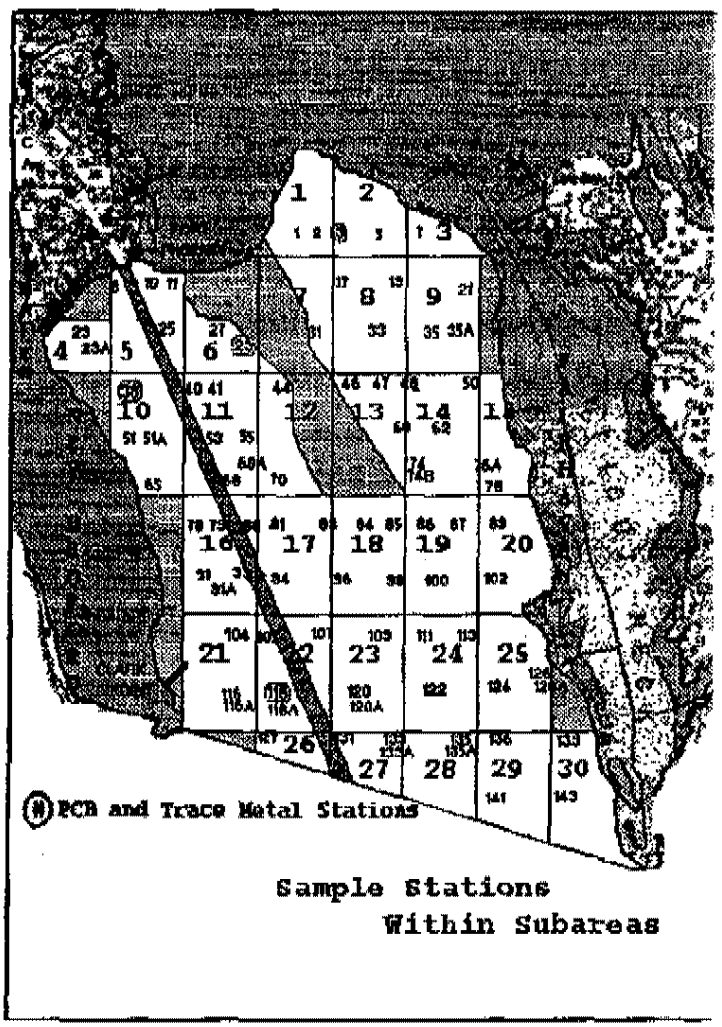
BottomType in Subarea: Gravelly sand with some mud along western shore of Palmer's Island. Muddy sand with small gravel at southern tip. Sandy mud at station 24.

New Bedford Outer Harbor

A total of 86 stations within 30 sampling unit areas were sampled in the outer harbor (Fig. 4). The general area is described as that area south of the hurricane barrier and north of a line drawn from Clark Point in New Bedford to Wilbur Point in Fairhaven and is comprised of approximately 3750 acres.

As with the inner harbor survey results, quahogs were found in a wide range of density distributions throughout the outer harbor. However, the percentage of chowders was significantly higher. This may be an artifact of two major impacts on the quahog population; contaminated relays and a newly opened commercial fishery. Both of these fisheries have targeted the littleneck class size which may have resulted in a larger standing crop of cherrystones and chowders. For example, during the last two years, commercial landings from the New Bedford portion of the outer harbor were a total of 11,901 bushels (DMF 1997/1998 shellfish landing data). Of these, 71.5% were littlenecks and 28.5% were cherrystones and chowders.

FIGURE 4



NEW BEDFORD OUTER HARBOR
QUAHOG STANDING CROP SURVEY

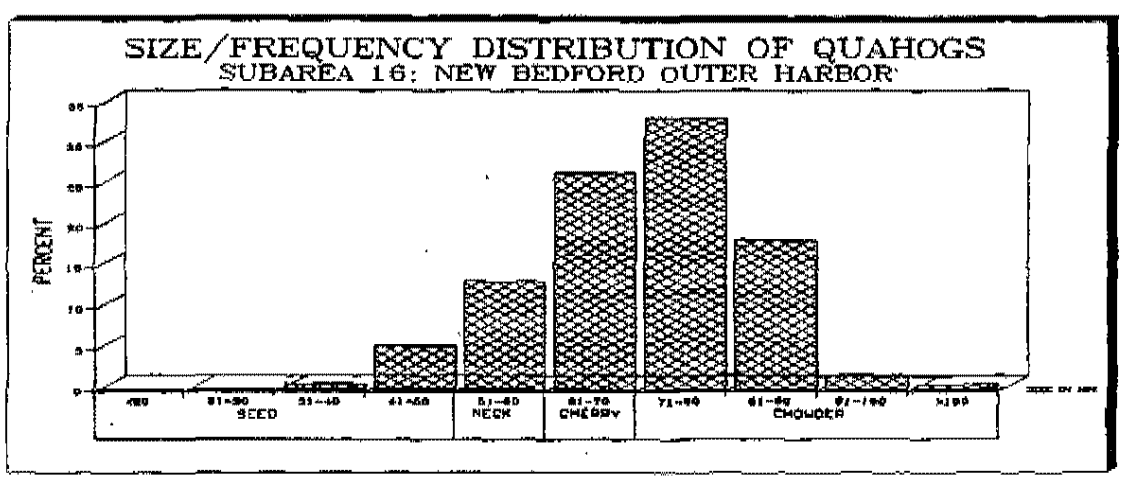
Chowder percentages noted in the survey range from a high of 97.69% in a sampling unit area in the northeast portion of the harbor to a low of 34.19% in sampling unit area 26 in the southwest corner of the area. Additionally, it appears that none of the four sampling unit areas in the southwest part of the harbor, i.e., sampling unit areas 16, 21, 22 and 26 on the west side of the shipping channel support a large population of chowders.

NEW BEDFORD OUTER HARBOR
Subarea 16

Sub-Area	SqFt/ Subarea	Acres/ Subarea	Sta. #	Seed/ SqFt	Neck/ SqFt	Cherry/ SqFt	Chowder/ SqFt
16	4,660,920	107	80	0.065	0.079	0.097	0.267
			78	0.010	0.024	0.063	0.242
			93	0.011	0.028	0.087	0.089
			79	0.005	0.023	0.047	0.130
			91A	0.008	0.031	0.107	0.230
			91	0.013	0.036	0.057	0.067
			Avg./AqFt:	**0.019**	**0.037**	**0.076**	**0.171**
			Total/Subarea:	**88,557**	**172,454**	**354,230**	**797,017**
			Total Bushels/Subarea:		**411**	**1,476**	**6,642**
			Total Bushels/Acre:		**3.84**	**13.79**	**62.07**

Other Species Noted: Much Crepidula. Few spider crabs and channeled whelk. Bay scallop. Oily sheen on quahogs at station 78.
Bottom Type Noted: Firm sandy mud with medium cobble (sta. 91). Much shell hash.

SUBAREA	STATION	SEED	NECK	CHERRY	CHOWDER
16	80	12.89%	15.46%	19.07%	52.58%
	78	2.92%	7.02%	18.71%	71.35%
	93	4.90%	13.22%	40.50%	42.15%
	79	2.53%	11.18%	23.03%	63.16%
	91A	2.24%	8.21%	28.36%	61.19%
	91	7.55%	20.75%	33.02%	39.15%
	Avg. %:	5.52	12.64	27.11	54.93



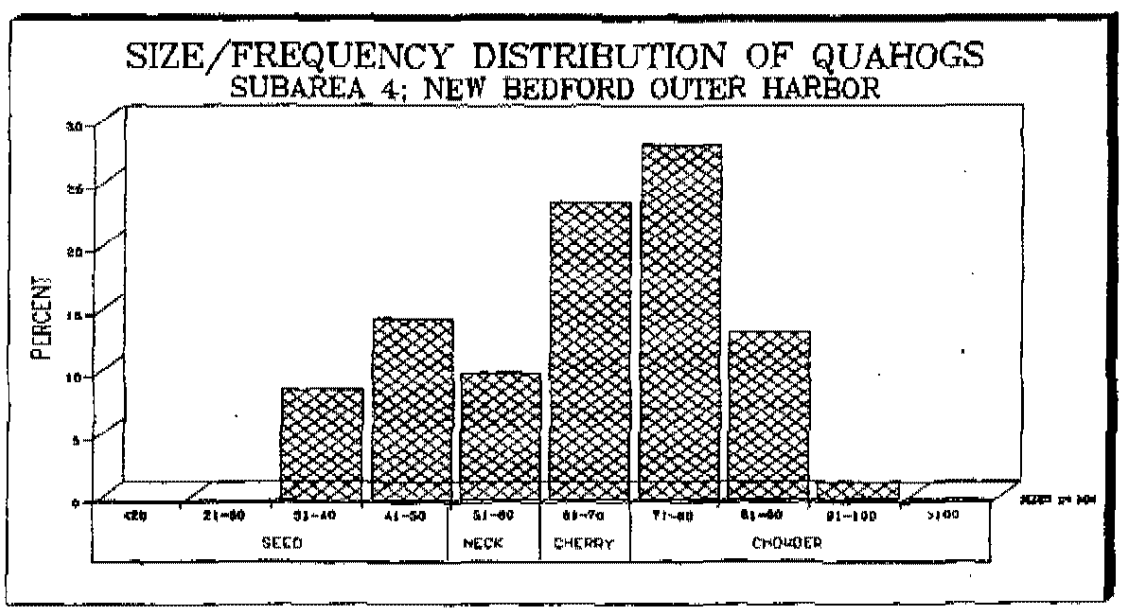
NEW BEDFORD OUTER HARBOR
Subarea 4

Sub-Area	SqFt/ Subarea	Acres/ Subarea	Sta. #	Seed/ SqFt	Neck/ SqFt	Cherry/ SqFt	Chowder/ SqFt
4	1,742,400	40	23A	0.008	0.023	0.088	0.145
			23	0.193	0.060	0.095	0.193
			Avg./SqFt:	**0.100**	**0.041**	**0.092**	**0.169**
			Total/Subarea:	**174,848**	**71,438**	**160,301**	**294,466**
			Total Bushels/Subarea:		**170**	**668**	**2,454**
			Total Bushels/Acre:		**4.26**	**16.68**	**61.34**

Other Species Noted: Oyster. Much Crepidula (limpet).

Bottom Type Noted: Muddy sand with some gravel.

SUBAREA	STATION	SEED	NECK	CHERRY	CHOWDER
4	23A	2.86%	8.57%	33.57%	55.00%
	23	35.70%	11.00%	17.60%	35.70%
	Avg. %:	**19.28**	**9.79 2**	**5.59**	**45.35**



APPENDIX 4

The Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs
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October 4, 2012

Elaine Stanley
U.S. Environmental Protection Agency
New England Region
5 Post Office Square, Suite 100
Boston, MA 02190

Re: Response to National Oceanic and Atmospheric Administration – National Marine Fisheries Service, Northeast Region Comments on the Draft Determination for the Proposed South Terminal Project, New Bedford, Massachusetts

Dear Ms. Stanley:

Following an August 21, 2012 comment letter to EPA from the National Marine Fisheries Service (NMFS) on the Draft Determination for South Terminal in New Bedford, MA, the Commonwealth convened our team, including our fisheries experts at the Massachusetts Division of Marine Fisheries and project engineers, to meet with NOAA's Regional Administrator John Bullard and NMFS staff to provide a full briefing of the project and detail the project's significant environmental benefits to New Bedford Harbor. At the meeting, we explained the extensive mitigation that the Commonwealth has committed to conduct in the areas of winter flounder habitat, salt marsh restoration, and shellfish reseeding. Additionally, we had the opportunity to clarify and address NMFS concerns regarding impact to fisheries. This letter serves to summarize the Commonwealth's conversation with NMFS and detail the collective approach that has been devised that allows the project to be completed in a manner that protects the potentially impacted resources while maintaining the critical project elements to meet the intended project purpose.

At the meetings, which took place at the Massachusetts Executive Office of Energy and Environmental Affairs on September 21 and 28, 2012, we discussed three main points relative to impacts on fishery resources regarding the South Terminal project: mitigating potential impacts to the endangered Atlantic sturgeon, designing engineering controls to protect winter flounder and anadromous fish species, and refining the Commonwealth's proposed shellfish mitigation plan.

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Atlantic Sturgeon

Atlantic sturgeon (*Acipenser oxyrinchus*) is a migratory anadromous species, migrating from the open ocean to coastal rivers to spawn in the spring. All coastal waters along the East Coast, including Buzzards Bay and New Bedford Harbor, are *potential* habitat for Atlantic sturgeon. However, according to NMFS, Atlantic sturgeon are only currently present in approximately 32 rivers from from St. Croix, ME to the Saint Johns River, FL. In Massachusetts, Atlantic sturgeon have been observed along the coast, but have not been observed spawning in the Taunton River (the closest historical spawning river to New Bedford Harbor) for over 15 years (NMFS letter to EPA dated 6-19-12). Additionally, DMF has never spotted the species at or near New Bedford Harbor. In fact, according to NOAA's Distribution and Abundance of Fishes and Invertebrates in Mid-Atlantic estuaries, Atlantic sturgeon have not been observed in Buzzards Bay, and furthermore are listed as rare in Buzzard's Bay under the basis of "reasonable inference" (Stone et al. 1994).

DMF assesses the potential for spawning and forage habitat in all waterbodies for species of concern with respect to impacts from construction projects, including Atlantic sturgeon (Evans et al. 2011). However, New Bedford Harbor has several important characteristics that make it an unlikely environment for Atlantic sturgeon including: a severely restricted entrance (the hurricane barrier) that is constantly monitored, a large amount of vessel traffic, a large seafaring population surrounding the harbor, an extensive Superfund dredging project, frequent navigational dredging conducted under EPA authority, and an anadromous fish restoration project in the Achushnet River. And despite the vulnerability of Atlantic sturgeon to vessel strikes and the relative ease with which these large fish are seen compared to other fish, there have been no reported incidents of vessel strikes to Atlantic sturgeon near or within the New Bedford Harbor.

Furthermore, no Atlantic sturgeon were caught in monthly surveys conducted in New Bedford Harbor for Dredge Material Management Planning (DMMP, Normandeau 1999). Therefore, DMF concluded that Atlantic sturgeon were not present in New Bedford Harbor. Accordingly, we do not make recommendations pertaining to Atlantic sturgeon during our environmental review of the large number of federal and state projects that occur in the harbor. However, we recognize the importance of the Endangered Species Act (ESA) listing and offer the following information and mitigation strategies based on guidance provided by NMFS.

As background, the project calls for the installation of a 1,000 lineal foot coffer-dam style bulkhead with an overhanging pile-supported concrete deck along the quay-side. In order to do this, the Commonwealth will be installing flat sheet piles (to create the coffer-dam structure), z-shaped sheet piles (for the southern return wall) and pipe piles (to support the overhanging concrete deck). The sheet pile installation and pipe pile installation

information can be divided into three categories including cofferdam, return wall area, and concrete decking.

For the cofferdam, the Commonwealth will be installing approximately 3,034 thin flat steel sheets that are approximately 19" long and approximately 0.5" thick. These will be installed to form the cellular structure of the cofferdams.

For the return wall area, the Commonwealth will be driving approximately 175 z-shaped steel sheet piles that are approximately 30" long and approximately 3/8" thick. These sheets will be installed along the southern end of the facility in association with the return wall.

For support of the concrete decking, the Commonwealth will be installing three different types of pipe pilings. The first set will include 65 pipe piles that are 24" diameter and have 5/8" wall thickness. These will be installed after the cofferdams are installed and will be installed outside of the cofferdams. However, these pilings will be installed by drilling a "rock socket" in place, placing the piling in the hole, and then grouting it in place. This first set of pilings will not require driving and will be installed in accordance with the "drill and pin to ledge" criteria that NMFS has already stated would be acceptable for installation at all times of the year.

The second set will include 22 pipe piles that are 30" diameter and have 3/4" wall thickness. These will be installed after the cofferdams are installed and will be installed outside of the cofferdams. These pilings will also be installed by drilling a "rock socket" in place, placing the piling in the hole, and then grouting it in place. Similar to the first set, the second set of pilings will not require driving and will be installed in accordance with the "drill and pin to ledge" criteria that NMFS has already stated would be acceptable for installation at all times of the year.

The third set will include 94 pipe piles that are 30" diameter and have ¾" wall thickness. These will be installed after the cofferdams are installed and filled, and will be installed inside of the footprint of the completed cofferdams. These pilings will be vibrated and/or driven, however, because the cofferdams will be completed and filled with earth by the time these piles are installed, the pilings will be driven into earth above the water surface (i.e. – dry land), and as an upland activity this work will not contribute to noise impacts to fisheries resources.

The project also requires the removal of a relatively small quantity of rock from some of the deeper dredge areas near the quay-side portion of the future vessel berth area.

NMFS has expressed concern that acoustic and vibrational energy from the installation of the piles and the bedrock removal methods may adversely impact ESA listed Atlantic

sturgeon within their normal migratory ranges. NMFS offered the following guidance to promote mitigation of potential impacts to that species: install piles between November 15th and March 15th; or institute engineering controls to ameliorate vibrational energy in the water column if pile driving must occur outside the recommended time frame. Additionally, NMFS provided additional specifications regarding noise impacts to Sturgeon from vibration-causing activities during a teleconference held on October 2, 2012 as follows:

- Threshold for onset of injury – peak measurement: Peak SPL of any strike that exceeds 206 dB re: 1uPa.
- Threshold for onset of injury – cumulative measurement: cumulative SEL (cSEL), accumulated over all pile strikes, exceeds 187 dB re 1 uPa•s. Note: for vibratory hammer pile advancement, assessment of cSEL may be completed using one of two methods: either equating the number of vibratory periods to the number of pile strikes or using the duration of vibration in the calculation.
- Threshold for behavioral effects: 150 dB_{RMS}

The construction methods anticipated for the various activities noted above include:

- Sheet pile driving activities utilizing a vibratory pile driving system (pipe piles are not currently anticipated to contribute to noise impacts, as discussed above);
- Drilling activities associated with "rock-socketing" of pipe piles drilled into rock;
- Mechanical fracturing of shallow rock patches within the dredge footprint where rock may be encountered (either utilizing a bucket dredge , a "hoe-ram", or hydraulic dredge capable of removing rock); and
- Drilling of small holes into small patches of shallow rock outcroppings in the dredge areas and the injection of expanding grout into those holes for the fracturing of rock so that it can be dredged by traditional means.

Because the critical path nature of the project timeline anticipates the potential for work during the March to November timeframe, the Commonwealth proposes to implement the following engineering controls to mitigate the potential for the noted construction activities impacting the resource:

- "Rock-socketing", or drilling the pipe piles into bedrock;
- Limiting the installation methods to the use of vibratory hammers for the installation of piles to the extent practicable;
- If impact hammers are necessary, attempt to, if practicable, limit the use to one hammer and no more that 50 piles installed per day.

Additionally, prior to the start of construction, the Commonwealth will conduct acoustical modeling of the potential noise-generating pile installation activities noted

above to demonstrate that in-water noise levels will not exceed thresholds for physiological impacts or mortality (as noted above) at the zone of passage. Should modeling indicate that acoustical noise levels will exceed the levels indicated above, then additional engineering controls in the form of noise attenuating bubble curtains between the work area and the zone of passage would be employed for work that would occur outside the November to March timeframe.

On the potential impacts to Atlantic sturgeon from blasting, the project may need to utilize blasting for a small quantity of rock from the deep dredge area near the quay-side portion of the vessel berth area. The Commonwealth restates that blasting would only be utilized as a measure of last resort if other methods of rock removal are ineffective. Based upon drilling information from test borings installed within the project site, the Commonwealth anticipates that most of the rock that requires removal from the dredge footprint of the project can be removed using conventional dredging methods or through non-blasting rock removal techniques. However, the possibility does exist that some small volume of rock may need to be removed using blasting techniques. The blasting technique the Commonwealth anticipates utilizing involves the drilling of a series of small blast holes into the rock surface to the depth of desired removal at regular intervals (approximately every 8-15 feet). A small amount of explosive material would then be installed into the blast holes, tamped and covered, and detonated to fracture the rock so that it could be removed using conventional dredging methods.

NMFS recommends that blasting activities occur between November and January 15 to avoid impacts to the various noted species, or to implement engineering controls if blasting is to occur outside that window to mitigate the potential for the noted blasting activities impacting the resource. Because the critical path for this project timeline precludes the Commonwealth from ruling out blasting activities (should they be needed) outside the blasting window, the Commonwealth proposes to implement the following engineering controls to mitigate the potential for the noted blasting activities impacting the Atlantic Sturgeon resource:

- Prior to any potential blasting, the Commonwealth will conduct acoustical modeling to demonstrate that in-water noise levels at the zone of passage will not exceed peak pressure and impulse pressure thresholds for physiological impacts or mortality (less than or equal to 75.6 psi peak pressure levels and less than or equal to 18.4 psi-msec impulse pressure levels).

- Should modeling indicate that acoustical noise levels from blasting activities will exceed the levels indicated above at the zone of passage, then additional engineering controls in the form of noise attenuating bubble curtains between the blast work area and the zone of passage would be employed for work that would occur outside the November to March timeframe.

Shellfish

NMFS has correctly noted that multiple shellfish species in New Bedford Harbor are impacted by the proposed project but that the mitigation plan focuses on quahogs only. There are a couple of reasons for this approach. First, the project area was sampled for shellfish and the dominant species captured was quahog (*Mercenaria mercenaria*). Second, a goal of the mitigation proposed was to be as on-site as possible, so all mitigation activity was targeted in the City of New Bedford. Typically once a transplant is conducted, there is a period of time during which the restoration site is closed to shellfishing to protect the newly planted shellfish. The city already has large, permanent shellfish closures due to poor water quality and relatively little water space, so the mitigation strategy was designed to minimize additional closures while maximizing the number of shellfish planted.

Third, mono-specific quahog transplanting was the most efficient approach since quahogs can tolerate a wide range of depth, sediment type, and water quality conditions. Fourth, another goal of the proposed mitigation is to implement the plan in a timely fashion to limit time lag (the time period between the original loss of ecosystem function and the restoration of ecosystem function). Because of the resilience of quahogs, the transplant success rate is more predictable than with other species.

Finally, the infrastructure to culture and grow-out seed at the scale of this project (millions of seed each year) is not commonplace. With substantial capital investment, the Commonwealth has repurposed its former lobster hatchery to accommodate the anticipated culture of quahogs. The existing infrastructure will be fully utilized focusing on a single species.

However, at the recommendation of NMFS, the Commonwealth has committed to include oyster reseeding outside the New Bedford Hurricane Barrier. It is envisioned that an "oyster reef" will be created in order to mitigate for the lost oyster habitat at South Terminal. A technical team from the Commonwealth's Division of Marine Fisheries and NMFS will meet and collaborate on the establishment and design of the oyster mitigation plan.

Winter Flounder

Winter flounder spawn in shallow estuarine waters in the late winter and early spring. The eggs are demersal and adhesive, and have well-recognized vulnerability to sedimentation (Berry et al. 2003). The Commonwealth has had significant experience with the use of engineering controls in New Bedford Harbor through the work that has previously been conducted as part of the Superfund State Enhanced Remedy (SER) for navigational dredging. As part of the SER dredging program, the Commonwealth and

the USEPA established a set of SER "Performance Standards" (detailed in the Commonwealth's restated application to USEPA) that guide all work under the SER process in the Harbor. The SER Performance Standards prescribe a set of activities that must be implemented when necessary beneficial cleanup dredging occurs during a time of year restriction period. These standards include the actions recommended by NMFS in its August 21, 2012 letter to EPA:

- The use of an environmental bucket for dredging of fine grained materials;
- The use of silt curtains (or equivalent) combined with turbidity monitoring with action levels.

The Commonwealth is aware that NMFS has raised concerns that the mitigation efforts that would be undertaken through the SER process for this project would not fully take into account impacts to demersal eggs from Winter Flounder that might stray into pending dredge work zones during the spawning season (January 15 through May 31) and lay eggs in the portions of the work zone that are at the spawning depth range (generally shallower than 16-feet).

The Commonwealth notes that for projects of relatively short incursion into the "no-dredge window," the likelihood that this scenario would produce significant impact to the species in the area is low. However, in recognition of the special circumstances associated with this project, the Commonwealth is proposing to adopt a series of enhanced engineering controls that consist of:

- Cordoning off the entire depth-relevant time-critical construction areas noted above during the time of year that Winter Flounder could potentially be spawning (January 15 through May 31) to make those areas unavailable to spawning fish through the spawning period. The areas would be cordoned off by installing a subsurface curtain wall consisting of a combination of silt curtains (which would be installed and held into place by anchors to assure effectiveness) and bubble curtains (in areas where navigational servitude will need to be maintained). The silt and bubble curtain equipment will be weighted along their entire length (at the benthic end) to ensure that the deterrent curtain extends the full range of the water column throughout the full tidal range, and does not allow fish to pass under it. A mid-curtain positive buoyancy system will be added to the silt curtain system to hold curtain folds off the bottom during low tidal ranges to reduce the potential for the silt curtains causing siltation issues.
- Use of an acoustic fish "startle" deterrent system (EFSS by Sonalysts or similar) within the time-critical work area prior to the January 15 cordoning-off date to remove existing fish from the zone prior to installing the curtain wall. Additionally, a "tactile fish startle system" (TFSS) will be utilized to remove benthic demersal fish from the work zone prior to cordoning off the work zone.

The tactile fish startle system will utilize a curtain of streamers that reach to the benthic surface deployed from a floating boom pulled from a set of moving vessels to encourage benthic demersal fish (such as winter flounder) to move out of the area prior to it being cordoned off. Both the EFSS and TFSS equipment will be deployed from shallow draft vessels roving through the area to be cordoned off along a grid pattern with 25-foot line spacing.

- Conducting periodic weekly camera and diving inspections of the silt curtain/bubble curtain wall to ensure its integrity, and completing necessary repairs in a timely fashion for damage or entanglement of the curtain wall that would impeded its effectiveness.
- Conducting periodic weekly camera and acoustic fish detection system (AFDS) surveys of the enclosed work area (on a 20-foot grid pattern) to determine if fish remain in the area after the EFSS and TFSS systems have been employed. If the results of the camera and AFDS survey indicate that fish remain within the work zone, a second set of EFSS and TFSS transits will be completed.
- The Commonwealth recognizes that the activities proposed herein will constitute a pilot program to evaluate whether these techniques will be successful on future projects. As such, the Commonwealth commits to filing information concerning the fish deterrent activities described in this section, including: documentation of curtain wall and fish detection survey monitoring activities in a weekly report to the EPA, the SER committee, and NMFS; and preparation of a report of the activities at the conclusion of the project that describes the activities undertaken, the effectiveness of the activities, and any modifications made to the activities during the work period.

The above noted enhanced engineering controls would be utilized concurrently with the typical SER Performance Standard actions of water quality monitoring (both inside and outside the curtained area), and use of the environmental bucket for the dredging of fine grained sediments that can be dredged with the environmental bucket – to ensure that silt suspension from the dredging process is minimized to the extent practicable. The Commonwealth believes that the use of this combined set of engineering controls would effectively mitigate the impacts from dredging during sensitive time periods for Winter Flounder. The enhanced engineering controls would also have the added benefit of mitigating impacts of dredging on anadromous fish species that might be present in the Harbor, as the controls would deter fish from entering the work area and reduce the potential for siltation in the water column.

Finally, the Commonwealth commits to work with NMFS on the creation of a technical working group that would finalize the details of the pilot monitoring regime proposed, to ensure the integrity of the winter flounder protection program.

Conclusion

The Commonwealth believes that the measures proposed will allow the project to advance along a timeline that meets the project's intended purpose and need while protecting and minimizing any temporary impacts the construction might have on the fisheries resources found in New Bedford Harbor. The Commonwealth believes that the extensive clean-up, coupled with the mitigation and engineering controls, provides the best long term benefits to the fisheries resources present in New Bedford Harbor.

The Commonwealth's Natural Resource agencies, including the Division of Marine Fisheries, shares a common mission and goal as both EPA and NMFS, and we are committed to a constructive collaboration with you to protect the natural resources of New Bedford Harbor as we construct this historic project. We request for EPA to concur with the information and analysis contained in this letter that was developed in partnership with the National Marine Fisheries Service.

As always, the Commonwealth is available to discuss any aspect of the project approach presented herein, and we look forward to working with you and your staff to advance the Final Decision for the project in the near future.

Sincerely,

Richard K. Sullivan Jr.
Secretary

Paul J Diodati

Paul Diodati
Director, MA Division of Marine Fisheries

cc: John Bullard, NOAA's Northeast Regional Administrator

References

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APPENDIX 5

RELEASE ABATEMENT MEASURE COMPLETION REPORT

Former Reliable Truss Site
Soil Excavation and Removal
246 River Road
New Bedford, Massachusetts
Release Tracking Number 4-17604

Prepared for:

City of New Bedford
133 William Street
New Bedford, Massachusetts 02740

Prepared by:

TRC Environmental Corporation
Wannalancit Mills
650 Suffolk Street
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March 2012

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Release Abatement Measure Completion Report

Former Reliable Truss Site
Soil Excavation and Removal
246 River Road
New Bedford, Massachusetts

Release Tracking Number (RTN) 4-17604

TRC Project Number: 169909

TRC Environmental Corporation (TRC) is submitting this Release Abatement Measure Completion Report (RAM Completion Report) to the Massachusetts Department of Environmental Protection (MassDEP) on behalf of the City of New Bedford (City) per 310 CMR 40.0440 of the Massachusetts Contingency Plan (MCP). This RAM Completion Report provides details of the excavation of impacted soils at the 246 River Road Site in New Bedford, Massachusetts (the Site). An initial RAM Plan was submitted by TRC for the Site on December 7, 2009. RAM-related activities took place between April 22, 2010 and December 2011, and are detailed herein. Investigatory and monitoring data obtained during implementation of the RAM are also included. The Site is tracked by the MassDEP Release Tracking Number (RTN) 4-17604. A Site Location Map is provided as Figure 1.

The RAM Plan activities included the following:

- Excavation of impacted soils;
- Temporary stockpiling, stockpile management and final characterization sampling of removed soil;
- Off-site reuse, recycling or disposal of excavated impacted soils; and
- Data analysis to confirm that RAM objectives have been met.

This RAM Completion Report is organized as follows: Section I (Background) briefly summarizes information on prior environmental activities and TRC's involvement with the Site. Section II (RAM Completion Report) provides the information content for a RAM Completion Report per the MCP, as set forth in 310 CMR 40.0446. Section III (References) lists information sources relied upon in the preparation of this RAM Completion Report.

Appendices are provided for supporting information including dust monitoring data (Appendix A), soil sample log sheets (Appendix B), laboratory analytical results (Appendix C), a copy of the material safety data sheet for Free Flow 200 (Appendix D) and a copy of the Bill of Lading (BOL) shipping documents (Appendix E).

I. BACKGROUND

TRC was retained by the City to prepare an Analysis of Brownfields Cleanup Alternatives (ABCA) and a RAM Plan as a combined document to outline the cleanup approach for the Site. The RAM Plan/ABCA documents Site conditions, evaluates remedial alternatives for the Site, and presents the selected remedial alternative. The RAM Plan provides the regulatory structure for removal of impacted soils at the Site.

Site Description

The Site is currently owned by the City and consists of an approximate 2.9-acre irregularly-shaped lot located at 246 River Road in New Bedford, Massachusetts. The Universal Transverse Mercator (UTM) coordinates for the Site are N4503309 and E337987, and are located within a portion of the New Bedford Harbor Superfund Site. The Site is bounded by the Acushnet River to the east and north, River Road and residential housing to the west, and a residential property to the south.

The Site was developed as a commercial property in 1924, and has a history as a lumber yard and manufacturing center for wooden cabinets and wooden trusses. The most prominent commercial enterprise to occupy the Site was the Reliable Truss Company, which has since moved to another location. The structures associated with the past Reliable Truss Company site operation were demolished by 2001. A detailed history was provided in a Phase I Environmental Site Assessment (ESA) report (Ambient, 2001), and updated in a Phase II Comprehensive Site Assessment (CSA) report (Atlantic, 2002).

The layer of fill material ranges from approximately one foot thick at the southern portion of the Site, to up to seven feet at the northeastern and northwestern corners of the Site. Fill consists of a heterogeneous mixture of sand, silt, gravel, brick, coal, and coal ash, and overlies typical native alluvial deposits consisting of fine to coarse sand, gravel, and cobbles. Concentrations of lead in soil/fill previously ranged up to 29,000 milligrams per kilogram (mg/kg), prior to implementation of RAM activities.

Groundwater depths at the Site recorded on February 6, 2007 ranged from 3.59 to 6.48 feet below ground surface (bgs). The groundwater table beneath the Site is generally within the layer of fill material, and slopes northeast toward the Acushnet River. However, groundwater elevations and flow direction at the Site are likely to vary daily because of influence from tidal fluctuations along this reach of the Acushnet River. The lack of elevated dissolved lead concentrations in any of the groundwater samples collected at the Site suggests that lead contamination is part of the soil/fill matrix.

Federal Polychlorinated Biphenyl Investigation and Cleanup

Eastern areas of the Site located within 50 feet of the mean high water level of the Acushnet River are considered to be within the New Bedford Harbor Superfund Site (Site Number MAD980731335) under the Comprehensive Environmental Response and Liability Act (CERCLA) or "Superfund." The Site lies within two United States Environmental Protection

Agency (EPA)-defined Compliance Demonstration Areas (CDAs) north of Wood Street in New Bedford, Massachusetts.

In May 2001, sampling was performed by EPA in floodplain areas of the Acushnet River to identify and assess the extent of polychlorinated biphenyl (PCB) impacts. Sixty-seven soil and sediment samples were collected from twenty-two locations at the Site. Total PCB concentrations in soil at the Site ranged from 0.014 to 0.85 milligrams per kilogram (mg/kg), which are less than the EPA Maximum Contaminant Level established in the New Bedford Harbor Superfund Site Record of Decision. These soil PCB concentrations are also less than the current MCP Method 1 S-1/GW-2 and S-1/GW-3 soil cleanup standard of 2 mg/kg. Detected concentrations of PCBs in nine sediment samples collected from twenty-two locations near the high water line of the Acushnet River ranged from 5.5 to 680 mg/kg, which are above the standards set by both EPA and MassDEP.

EPA conducted remedial actions at areas of the Site included within CDA 2 and CDA 6 between 2002 and 2003. The remedial actions consisted of excavation and dredging of soils and sediments, and replacing those areas with clean backfill. The average PCB concentrations in 48 post-excavation samples collected from CDA-2 prior to the placement of clean backfill was 4.4 mg/kg. The average post excavation PCB concentration in 61 post excavation samples from CDA-6 was 7.0 mg/kg (Tetra Tech, 2004).

Former Reliable Truss Site Investigations

In addition to the above-described EPA investigation and cleanup, the following investigations and assessments have been conducted at the Site:

- Phase I Environmental Site Investigation by Ambient Engineering, Incorporated in 2001 (Ambient, 2001);
- Phase II Comprehensive Site Assessment by Atlantic Environmental Technologies, Incorporated (Atlantic) in September 2002 (Atlantic, 2002);
- Interim Phase II Comprehensive Site Assessment by TRC in June 2007 (TRC, 2007);
- Additional investigation activities pursuant to the June 2007 Interim Phase II Comprehensive Site Assessment by TRC in September 2008 (TRC, 2008); and
- Additional soil and sediment sampling activities performed in October 2009 by TRC.

A Site Plan is included as Figure 2.

Based on the results of the Phase II soil and groundwater testing conducted by Atlantic in 2002 at the Site, three areas of lead impacts to soil were identified (Areas 1, 2 and 3, as identified in previous reports).

In April 2006, TRC conducted additional soil sampling at the Reliable Truss Site for metals and polycyclic aromatic hydrocarbons (PAHs). PAHs had been detected in at least one soil sample

from the Site at concentrations above MCP Reportable Concentrations (RCs) during previous Site investigations. In addition, Site soils were tested for PCBs. The scope of work, as described in TRC's February 2006 Quality Assurance Project Plan (QAPP) submitted to the EPA, included completion of a ground-penetrating radar (GPR) survey and the installation of eleven soil borings, two of which were completed as groundwater monitoring wells.

The results of TRC's April 2006 investigation confirmed the presence of lead- and PAH-impacted soil in the fill material within the three areas of potential impact identified above. PCBs were not identified above MCP RCs. Additional observations from TRC's April 2006 investigation are noted below:

- Lead was detected above the RC within the fill material just outside of Area 3 at locations TRC-9, 10, and 11 from the 0-3 ft below ground surface (bgs) sample interval. The Area 3 delineation was subsequently modified to encompass these locations.

- Cadmium and zinc were detected above RCs within the fill material in Area 3 from location TRC-8 in the 0-3 ft bgs sample interval.

- Lead and benzo(a)pyrene (a PAH constituent), were detected above RCs within the fill material just outside of Area 2 at location TRC-6 from the 3-6.5 ft bgs and 5.5-6.5 ft bgs sample intervals, respectively.

- Chromium and nickel were identified above RCs in Area 2 from location TRC-4 from the 10-12 ft bgs sample interval.

In January 2007, the seven monitoring wells installed by Atlantic in 2002 could not be located and/or were severely damaged and unsuited for monitoring use. Therefore, the groundwater sampling results included in the 2002 Atlantic Phase II CSA (which were below applicable standards and/or non-detect) could not be confirmed by TRC with the same wells. Four monitoring wells were installed by TRC in January 2007 to further evaluate the groundwater quality beneath the Site. Results from the newly installed wells suggested that lead impacts appeared to be confined to the soil matrix (fill material). Based on groundwater gauging data collected by TRC in February 2007, groundwater flow direction is inferred to the north/northeast across the Site and may be tidally influenced.

TRC submitted an Interim Phase II CSA to MassDEP for the Site on June 19, 2007 (TRC, 2007). The conclusions presented in TRC's Phase II CSA suggested the additional delineation of lead in surface soils south of the Site's southern property boundary. Sediment and surface water sampling in the adjacent portion of the Acushnet River and associated wetland was also suggested to further assess the extent of lead impacts.

On September 2, 2008, TRC conducted the sampling activities that were suggested in the Interim Phase II CSA. The investigations were conducted under QAPP Addendum E, and consisted of seven sediment samples, four surface water samples, and nineteen soil samples. Results of these investigations are discussed below.

Soil

Lead was detected at a depth of 0-3 feet in soil boring TRC-12 at a concentration of 960 mg/kg. Based on data recovered from other borings in the immediate vicinity of TRC-12, this location became the fourth area of lead impacts, in addition to the three areas previously identified by Atlantic. Soil samples collected in the southern portion of the Site detected lead at concentrations below the MCP Method 1 S-1/GW-2 and S-1/GW-3 cleanup standard of 300 mg/kg with the exception of a soil sample collected from boring TRC-16, where lead was detected at 1,100 mg/kg.

Sediment/Surface Water

Lead was detected at concentrations above MassDEP soil standards in sediment samples SED-4 and SED-5, and mercury was detected in excess of standards in sample SED-4 as well as the upstream sample SED-2. Mercury was identified in upstream sample SED-2. Because of this, further sediment sampling for mercury analysis was not necessary as mercury in sediment may be attributable to background/local conditions.

On July 29, 2009, TRC submitted a QAPP Addendum E2 to EPA which proposed additional soil and sediment sampling activities at the Site. Following EPA approval, TRC conducted the following additional investigation activities on October 12 and 13, 2009:

Sampling to Refine Areas of Soil Impacted by Lead

Nine soil borings were advanced south of TRC-16 using direct-push drilling and hand auger tools to a maximum depth of six feet below grade. Continuous soil samples were collected during drilling activities for soil characterization purposes. A 0 to 3 feet soil sample was collected from each location and a soil sample was collected from a deeper interval at borings TRC-22, TRC-25 and TRC-30. TRC did not collect soil samples below three feet at boring locations TRC-23, TRC-24, and TRC-26 through TRC-29 due to drilling refusal. Samples collected from boring locations TRC-22 and TRC-23 were authorized for lead analysis initially, and samples collected from boring locations TRC-24 through TRC-30 were placed on hold pending the results of the authorized samples.

Additional Sampling Conducted in Support of an MCP Risk Characterization

TRC advanced sixteen soil borings for the collection of surface soil samples across the Site, using either direct-push or hand auger drilling methods. Soil samples were collected continuously for soil characterization purposes. One soil sample was collected from each borehole and submitted and authorized for laboratory analysis for lead.

Sampling to Refine Areas of Sediment Impacted by Lead

Four sediment samples were collected from the banks of the Acushnet River (SED-8, SED-9 and SED-10) and submitted for lead analysis. Sediment sample SED-11 was placed on hold pending analysis of SED-10. Results of SED-10 (16 mg/kg) did not exceed July 2005 MassDEP Freshwater Sediment Screening Criteria (Probable Effects Concentrations) of 130 mg/kg; thus, SED-11 was not authorized for analysis.

II. RELEASE ABATEMENT MEASURE COMPLETION REPORT (310 CMR 40.0446)

This RAM Completion Report is organized according to the information needs set forth under 310 CMR 40.0446(4)(a) through (f) of the MCP.

(a) Description of Impacts, Site Conditions and Surrounding Receptors

Description of Impacts

As described previously, MassDEP tracks the release at the Site under RTN 4-17604. Historically, the Former Reliable Truss Site has been involved with storing lumber and the manufacture of wooden cabinets and trusses since approximately 1924. Although the buildings have been demolished, fill material deposited on site still contains elevated levels of contaminants, primarily lead.

Site Conditions

The Site remains an active construction area, and is currently fenced to restrict unauthorized access. RAM activities generally included excavation and off-site disposal of soils targeted for remediation, excavation and off-site disposal of soils during installation of subsurface utility conduits, and excavation and off-site disposal of unsuitable topsoil material.

The City intends to continue construction activities to create a public park, but the Site will remain closed to the public until development is complete. The Site has been graded, subsurface utility conduits have been installed, a fence has been erected, and driveway pavers have been laid. Further work is anticipated to continue in the Spring of 2012, which will include surficial landscaping (installation of pavers, plantings, and seeding), and the potential creation of a salt marsh. Further work that disturbs regulated soil could be conducted under a future RAM, a RAM Modification, or other MCP vehicle.

Surrounding Receptors

According to Massachusetts Geographic Information System (MassGIS) Demographic data viewer for Census 2000, the estimated total population within ½ mile of the Site is approximately 6,000. Review of the USGS Topographic Quadrangle New Bedford North, MA dated 1979, and MassGIS Assessor's 2007 Parcel data viewer, indicates there are no schools or other institutions within 500 feet of the Site. The Site is currently restricted to authorized construction workers, though trespassers could potentially gain access.

A MassDEP Site Scoring Map is provided as Figure 3. The Site is not located within an EPA Sole Source Aquifer or a MassDEP-approved Zone II, Interim Wellhead Protection Area (IWPA), or Surface Water Supply Zone A. No Public Water Supplies exist within ½ mile of the Site. Medium and high yield aquifers are present within 500 feet of the Site, and the Site is located within both high and medium yield Non-Potential Drinking Water Source Areas.

As shown in Figure 3, the Site is considered Protected Open Space. The eastern boundary of the Site is bordered by the Acushnet River, which represents fish habitat, and a wetland area exits at the southeastern corner of the Site. The eastern portion of the Site is also located within a Federal Emergency Management Agency (FEMA) 100-Year Floodplain. However, no Rare Wildlife, Certified Vernal Pools, or Areas of Critical Environmental Concern are located on the Site.

(b) Description of the RAM completed at the Site

The City's remedial contractor (LAL Construction Company) began work at the Site on April 26, 2010. RAM-related activities took place between April 22 and December 2011, and in detail included the following:

Preliminary Risk Evaluation

During the early spring of 2010, TRC conducted a preliminary risk evaluation of Site conditions, based on available data through the October, 2009 sampling event. Based on this preliminary evaluation, TRC was able to refine the areas requiring remediation.

Pre-Excavation Mark-out

TRC utilized global positioning system (GPS) technology to mark the proposed limits of excavation in five areas of suspected elevated lead concentrations in soil at the Site on April 22, 2010.

Site Security Fence Removal and Relocation

On April 30, TRC oversaw the removal and relocation of the Site security fence. The majority of the Site had been secured by an approximate 6-foot high, chain link fence. The southern portion of the Site was potentially accessible to pedestrians. The existing southern portion of the fence was removed and replaced with a new fence erected along the eastern edge of River Road, and the southern boundary of the Site, inclusive of the delineated areas of lead impacts to soil.

Installation of Erosion Controls

On April 26, TRC was on-Site during the installation of erosion controls. Hay bales and siltation fence were installed along the eastern portion of the Site, adjacent to the Acushnet River. Erosion controls were inspected weekly, and after storm events. Repairs were made promptly, if necessary. No compromises to the integrity of the erosion controls were observed during implementation of the RAM Plan.

Vegetation Clearing

Prior to Site remediation, vegetation consisted of early successional grasses and shrubs on the northern portion of the Site, and an area of mature trees and dense undergrowth at the southern portion of the Site. Above-grade vegetation was cleared and removed from the Site. Stumps and other below-grade vegetative materials were removed by hand or by an excavator and placed on polyethylene sheeting in an area designated for future stockpiling of impacted soils. After completely dislodging bulk soils from the stumps, they were chipped and removed from the Site.

Construction of Impacted Soil Stockpile Area

A Soil Stockpile Area was constructed on April 26 and 27, 2010. This area consisted of an area of 6-mil polyethylene sheeting surrounded on three sides by hay bales. Stockpiled soils were covered with polyethylene sheeting at the end of each work day, and when active soil-moving operations were not taking place.

Former Building Footprint Removal

Concrete slab at the northern end of the Site was removed with an excavator and broken into manageable pieces. The pieces were stockpiled on polyethylene sheeting and cleaned with a stiff-bristled broom. These clean pieces of concrete were removed from the Site and transported to the LAL Construction Company storage yard for crushing and recycling.

Remedial Excavation

Areas of suspected lead-impacted soil were excavated between May 3 and May 14, 2010. During the excavation, TRC was on-Site to screen soils using an x-ray fluorescence (XRF) hand-held device to help guide excavation activities. Analytical samples were collected from the horizontal limits of excavation, as shown on Figure 4. Analytical results for soil samples are summarized in Table 1. Post-excavation soil sample identifications begin with a "PX" or "G1" prefix, in addition to the samples "D8 ESW", "E8 ESW", and "F8 ESW". Soil sample log sheets are included in Appendix B. Laboratory analytical results for soil samples are included in Appendix C.

Soil sample locations that were excavated to three-foot depths and removed from the Site include:

AB-11	AB32	TRC-17	PX-3A-8
AB-12	AB34	TRC-18	PX-3A-10
AB13	AB35	TRC-19	PX-3A-11
AB14	AB36	TRC-23	PX-3A-15
AB15	MW5-0204	TRC-24	PX-3A-18
AB19	TRC-4	TRC-38	PX-3A-20
AB21	TRC-8	TRC-46	PX-3B-2
AB23	TRC-9	PX-2A-5	PX-3B-3
AB25	TRC-10	PX-2A-5B	
AB31	TRC-16	PX-2B-4	

On May 6, 2010, TRC identified a potential area of elevated volatile organic compound (VOC) impacts (up to 1,610 parts per million by volume [ppmv] based on MassDEP jar headspace measurements) to soil in the southern portion of the Site using a photoionization detector (PID).

Impacts appeared to be confined to a 10 foot by 10 foot area, which decreased with depth and terminated at approximately 8 feet below grade. The extents of this impacted area were confirmed by analytical samples G1-BASE-1, G1-NSW, G1-SSW, and G1-WSW (Table 1).

A large metal pipe or conduit was discovered during targeted excavation activities in the southern portion of the Site on May 11, 2010. The item was located within the fill material horizon. Although the item was not an underground storage tank, the New Bedford Fire Department was called to the Site to observe its removal. Loose soils were dislodged from the item within the decontamination area with a stiff-bristle broom, and it was subsequently removed from the Site for disposal as scrap.

Elevated concentrations of lead were identified at the eastern edge of excavation, and the elevated concentrations likely extended beyond the coastal bank. These screening levels were confirmed through analytical results. The Order of Conditions obtained from the New Bedford Conservation Commission as part of this project only allowed for the advancement of soil borings in areas eastward of the coastal bank. Therefore, excavation at the southeastern portion of the Site was halted prior to extending beyond the coastal bank and into the adjacent salt marsh.

Excavated soils were stockpiled in an area designated for impacted soils. The targeted soil stockpile was sampled (post-stabilization) for disposal characterization analysis parameters which included VOCs, semi-volatile organic compounds (SVOCs), PCBs, Total Petroleum Hydrocarbons (TPH), total arsenic, total cadmium, total chromium, total lead, total nickel, flashpoint, reactivity, and corrosivity. Samples were also authorized for toxicity characteristic leaching procedure (TCLP) analysis for lead. Disposal characterization samples representative of the targeted soil stockpile include Characterization 1 through Characterization 6 and TCLP 1a through TCLP 6a (Table 2).

Utility Trenching and Other Site Redevelopment Activities

To prepare the Site for recreational park redevelopment, approximately six inches of topsoil was removed from the majority of the Site and stockpiled within an area designated for soils suspected to have lead impacts. This soil was characterized for off-Site transport and disposal (samples Grub-E and Grub-W, Table 2).

TRC was also on-Site during soil management activities associated with the excavation of electrical trenches, water supply trenches, drainage features, and grading activities (Figure 5). Soils that were scraped or excavated were screened by TRC and segregated into stockpiles. Separate disposal characterization analytical samples were collected from each stockpile to maximize disposal/re-use options (MSP, NSP, NSP-2, NSP-3, and NSP-3(B)). Analytical parameters for samples collected from these stockpiles included: VOCs, SVOCs, PCBs, TPH, total arsenic, total cadmium, total chromium, total lead, and total nickel. If analytical results identified concentrations greater than twenty times the applicable values listed at 310 CMR 30.125(b), Table 1 (i.e., the “twenty times” rule-of-thumb), additional sample volume was authorized for TCLP analysis.

Analytical results of the MSP stockpile were relatively low, compared to applicable RCS-1 standards, and this soil was subsequently re-used on-Site. The remaining stockpiles were removed from the Site under BOLs, as discussed below.

Stabilization of Targeted Soil Stockpile

Because elevated levels (up to 29,000 mg/kg) of lead were targeted for removal, soil from the excavation of targeted remediation areas was stabilized to reduce the mobility of the lead. The targeted soil stockpile contained approximately 1,760 cubic yards, and was treated on site between May 17 and 19, 2010 by adding a stabilizing agent (Free Flow 200®, see Appendix D) to the stockpile and mixing it with an excavator.

Off-Site Transport and Disposal/Re-use of Soil

TRC utilized analytical data collected pre-remediation, as well as analytical data collected from stockpiled soils to determine an appropriate off-Site soil disposal/reuse/recycling facility for soil remediation waste generated under this RAM. The targeted soil stockpile (approximately 1760 cubic yards, approximately 2,640 tons) was loaded into City of New Bedford Department of Public Infrastructure dump trucks between June 4 and 8, 2010 and transported to the Greater New Bedford Regional Refuse Management facility (Crapo Hill Landfill) for re-use as daily cover. All soils transported to Crapo Hill Landfill were transported under BOLs.

Stockpiled soil was transported from the Site under BOL to Crapo Hill Landfill as follows: May 27, 2010 (approximately 672 cubic yards/1,008 tons), June 17, 2010 (approximately 411 cubic yards/617 tons), and August 4 and 5, 2010 (approximately 472 cubic yards/709 tons).

A total of approximately 3,315 cubic yards (4,974 tons) of soil were generated during RAM-related activities and were transported under BOLs during the 4 shipping events. Copies of BOLs are included in Appendix E.

Excavation Backfill

Four sources of backfill were utilized to return excavation areas to grade, and to provide suitable lawn planting areas as dictated by park development plans. Prior to use on-Site, each source of backfill was analytically tested to ensure backfill soils did not exceed applicable RCS-1 standards (Table 3). Targeted excavation areas and utility trenching / development areas were backfilled between May 4 and June 10, 2010.

Post-Excavation Data Evaluation

Site data was evaluated in December 2011 and January 2012 to evaluate the current exposure point concentration, based on concentrations of impacts in soil remaining at the Site following excavation activities. This data will be reported in future regulatory filings.

(c) Investigatory and Monitoring Activities

Investigatory activities were, in large part, performed in advance of RAM activities. However, supplemental investigatory activities were performed during implementation of the RAM to delineate the extents of potential soil impacts. During excavation activities, TRC was on-Site to

screen soils using an XRF hand-held device to help guide excavation activities. Analytical samples were collected from the horizontal limits of excavations, as shown on Figure 4. Analytical results for soil samples, including post-excavation soil samples, are summarized in Table 1.

As previously mentioned, disposal characterization analytical samples were collected from each stockpile to facilitate the evaluation of disposal/re-use options. The analytical results from disposal characterization samples are included in Table 2.

Monitoring activities conducted during the execution of the RAM consisted of observing dust levels and concentrations of VOCs in the breathing zone with field instrumentation. Dust monitoring instruments were not deployed on working days under rainy conditions. These days included May 3, 6, 12, and 19, and June 10, 2010. Action levels were as described in the submitted RAM Plan.

Minor and momentary increases in dust levels were observed, but no readings were indicative of levels exceeding action limit criteria. Usually, the elevated levels only lasted a few seconds, and were due to passing trucks or equipment. Preemptive dust control measures were employed as necessary, including slowing work, wetting surfaces, and/or the application of calcium chloride. Data collected during dust monitoring activities is tabulated in Appendix A. In few instances, software and/or unit problems prevented the download of data from the DustTrak units. In these cases, data was manually entered into the spreadsheets in Appendix A.

(d) Findings and Conclusions

The original RAM Plan dated November 11, 2009 described the following activities to be implemented to reduce risk at the Site:

- Further investigation and assessment
- Evaluation of risk proposed at the Site
- Removal of the former building footprint
- Fence and fence post removal
- Excavation of impacted soil
- Erosion controls
- Post excavation soil sampling
- Backfill with clean soil
- On-Site soil management
- Off-Site soil disposal/reuse
- Environmental monitoring

During the course of the RAM, certain project activities were modified (minor modifications):

- Areas of soil requiring remediation were refined based on additional data collection and risk evaluations, as described in (b) above.
- Post-excavation soil sample data indicated that elevated lead concentrations extend beyond the coastal bank at the southeastern portion of the Site. The Order of Conditions

obtained from the New Bedford Conservation Commission did not allow for soil/sediment removal from areas beyond the coastal bank (except for the purposes of approved exploratory soil borings), so removal in this area was postponed.

- Both the scope and timeframe of park development activities have been extended by the City.

The activities proposed in the original RAM plan have been completed to the extent practicable at this time. This RAM Completion Report describes risk evaluation, soil excavation, soil and materials management, backfilling, and environmental monitoring activities associated with development of the Site as a recreational park to date. Further work will be required to complete the park development. In accordance with Section 40.0448(2) of the MCP, the continuation of further Preliminary or Comprehensive Response Actions is necessary at the Site.

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

Soil excavation, stockpiling, stabilization, transport, and disposal activities have been conducted at the Site in the manners described above between April 22 and August 5, 2010. Approximately 3,315 cubic yards (4,974 tons) of soil were excavated from the targeted remediation areas and park construction areas and were transported via BOLs to Crapo Hill Landfill for re-use as daily cover. Approximately 1,760 cubic yards of this soil was stabilized on-Site prior to off-Site transport, using the Free Flow 200® stabilizing reagent (Appendix D). Soil remediation waste generated under this RAM was removed from the Site as of August 5, 2010.

Groundwater was not encountered during RAM-related excavation activities. No remedial wastewater was generated under this RAM.

(f) Ongoing Activities

Remedial activities related to this RAM are complete. Waste materials generated during the RAM were disposed of at appropriate facilities (as documented previously). The Site is currently fenced, and access by unauthorized persons is restricted. Site security will be maintained by the City.

(g) LSP Opinion

The objective of this RAM Completion report is to apprise MassDEP of the completion of the City's activities related to this RAM at the Site.

This RAM Completion Report has been prepared in accordance with 310 CMR 40.0446 as set forth in the MCP.

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

March 16, 2012
Date

Stamp

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TABLES

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	AB-1	AB-2	AB-3	AB-4	AB-5	AB-6	AB-7	AB-8	AB-9	AB-10	AB-11	AB-12	AB13A	AB13B	AB14A	AB14B	AB15A	AB15B	AB16A
			Depth (feet):	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2
			Date sampled:	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002
		S-1/GW-3	S-2/GW-3																			
VOCs																						
(mg/kg)	Methylene chloride	200	900	0.11 U	3.9 U	0.12 U	0.074 U	0.14 U	0.12 U	0.11 U	0.089 U	4.3 U	2.9 U	0.11 U	0.16 U	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	500	1,000	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	Chloroform	400	800	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	10	60	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	10	100	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	20	100	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	4	60	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	30	200	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	100	100	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	10	90	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	1,1,1-Trichloroethane	500	1,000	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	20	100	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	9[2]	70[2]	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	9[2]	70[2]	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	200	800	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.8	10	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	0.022 U	1.9 U	0.025 U	0.015 U	0.027 U	0.023 U	0.023 U	0.018 U	2.2 U	1.4 U	0.023 U	0.032 U	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	30	30	0.022 U	1.9 U	0.025 U	0.015 U	0.027 U	0.023 U	0.023 U	0.018 U	2.2 U	1.4 U	0.023 U	0.032 U	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	4	0.022 U	1.9 U	0.025 U	0.015 U	0.027 U	0.023 U	0.023 U	0.018 U	2.2 U	1.4 U	0.023 U	0.032 U	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	0.022 U	1.9 U	0.025 U	0.015 U	0.027 U	0.023 U	0.023 U	0.018 U	2.2 U	1.4 U	0.023 U	0.032 U	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	500	1,000	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	500	1,000	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	90	700	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert butyl ether	100	500	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	p/m-Xylene	500	1,000	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	100	500	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	30	200	0.011 U	0.97 U	0.012 U	0.007 U	0.014 U	0.012 U	0.011 U	0.009 U	1.1 U	0.72 U	0.011 U	0.016 U	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetone	400	400	0.43 U	9.7 U	0.50 U	0.30 U	0.55 U	0.47 U	0.45 U	0.36 U	11 U	7.2 U	0.46 U	0.64 U	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	0.11 U	9.7 U	0.12 U	0.074 U	0.14 U	0.12 U	0.11 U	0.089 U	11 U	7.2 U	0.11 U	0.16 U	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	400	400	0.11 U	9.7 U	0.12 U	0.074 U	0.14 U	0.12 U	0.11 U	0.089 U	11 U	7.2 U	0.11 U	0.16 U	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	400	400	0.11 U	9.7 U	0.12 U	0.074 U	0.14 U	0.12 U	0.11 U	0.089 U	11 U	7.2 U	0.11 U	0.16 U	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	0.11 U	9.7 U	0.12 U	0.074 U	0.14 U	0.12 U	0.11 U	0.089 U	11 U	7.2 U	0.11 U	0.16 U	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	7	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Chlorotoluene	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100[1]	500[1]	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	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	AB-1	AB-2	AB-3	AB-4	AB-5	AB-6	AB-7	AB-8	AB-9	AB-10	AB-11	AB-12	AB13A	AB13B	AB14A	AB14B	AB15A	AB15B	AB16A
			Depth (feet):	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2
			Date sampled:	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002
		S-1/GW-3	S-2/GW-3																			
	1,2,4-Trichlorobenzene	500	900	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)	500(1)	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)	500(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl-Tert-Butyl-Ether	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	70	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VPH																						
(mg/kg)	C5 - C8 Aliphatics	100	500	1.0 U	1.0 U	1.0 U	1.1 U	1.3 U	1.0 U	1.0 U	1.1 U	1.1 U	1.0 U	1.7 U	1.8 U	NA	NA	NA	NA	NA	NA	NA
	C9 - C12 Aliphatics	1,000	3,000	1.0 U	1.0 U	1.0 U	1.1 U	1.3 U	1.0 U	1.0 U	1.1 U	1.1 U	1.0 U	1.7 U	1.8 U	NA	NA	NA	NA	NA	NA	NA
	C9 - C10 Aromatics	100	500	1.0 U	1.0 U	1.0 U	1.1 U	1.3 U	1.0 U	1.0 U	1.1 U	1.1 U	1.0 U	1.7 U	1.8 U	NA	NA	NA	NA	NA	NA	NA
	Methyl tert-butyl ether	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m/p-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPH																						
(mg/kg)	C9 - C18 Aliphatics	1,000	3,000	34 U	35 U	33 U	31 U	40 U	32 U	33 U	33 U	31 U	32 U	41 U	45 U	NA	NA	NA	NA	NA	NA	NA
	C19 - C36 Aliphatics	3,000	5,000	**37**	**75**	**60**	**32**	**58**	**48**	**41**	**74**	**53**	**51**	**69**	**120**	NA	NA	NA	NA	NA	NA	NA
	C11 - C22 Aromatics	1000	3000	**46**	**85**	**69**	31 U	**46**	**33**	33 U	**73**	**120**	**76**	**54**	**84**	NA	NA	NA	NA	NA	NA	NA
PAHs																						
(mg/kg)	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(ghi)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																						
(mg/kg)	Acenaphthene	1,000	3,000	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**0.56 J**	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	500	900	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	5	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	bis(2-Chloroethyl)Ether	0.7	3	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	3,3-Dichlorobenzidine	1	10	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	10	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	2,6-Dinitrotoluene	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	0.38 U	**0.74**	**0.44**	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**15**	**1.2**	**1.4**	**0.67**	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl-phenylether	NS	NS	0.95 U	0.97 U	0.95 U	0.88 U	1.1 U	0.93 U	0.94 U	0.91 U	1.7 U	0.91 U	1.1 U	1.3 U	NA	NA	NA	NA	NA	NA	NA
	2,2-oxybis(1-Chloropropane)	3	50	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	bis(2-Chloroethoxy)methane	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	9	100	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Isophorone	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Nitrobenzene	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	AB-1	AB-2	AB-3	AB-4	AB-5	AB-6	AB-7	AB-8	AB-9	AB-10	AB-11	AB-12	AB13A	AB13B	AB14A	AB14B	AB15A	AB15B	AB16A
			Depth (feet):	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2
			Date sampled:	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002
		S-1/GW-3	S-2/GW-3																			
	bis(2-Ethylhexyl)phthalate	200	700	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Butylbenzylphthalate	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Di-n-butylphthalate	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Di-n-octylphthalate	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Diethylphthalate	300	300	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Dimethylphthalate	600	600	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	0.38 U	**0.43**	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**7.5**	**0.65**	**0.63**	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**6.7**	**0.58**	**0.59**	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	0.38 U	**0.49**	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**5.4**	**0.66**	**0.59**	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**3.9**	**0.49**	**0.53**	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	0.38 U	**0.82**	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**6.5**	**0.64**	**0.68**	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**0.43 J**	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**3.3**	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	3,000	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**4.4**	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**0.77**	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	0.38 U	**0.70**	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**9.7**	**0.92**	**1.1**	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**1.2**	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**4.6**	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	0.38 U	**0.62**	**0.41**	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**12**	**0.95**	**1.1**	**0.54**	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	3	3	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	**0.42 J**	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Acetophenone	NS	NS	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	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	300	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	40	40	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	500	1,000	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	0.95 U	0.97 U	0.95 U	0.88 U	1.1 U	0.93 U	0.94 U	0.91 U	1.7 U	0.91 U	1.1 U	1.3 U	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	90	0.95 U	0.97 U	0.95 U	0.88 U	1.1 U	0.93 U	0.94 U	0.91 U	1.7 U	0.91 U	1.1 U	1.3 U	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	0.95 U	0.97 U	0.95 U	0.88 U	1.1 U	0.93 U	0.94 U	0.91 U	1.7 U	0.91 U	1.1 U	1.3 U	NA	NA	NA	NA	NA	NA	NA
	Phenol	20	20	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	2-Methylphenol	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	3-Methylphenol/4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	600	600	0.95 U	0.97 U	0.95 U	0.88 U	1.1 U	0.93 U	0.94 U	0.91 U	1.7 U	0.91 U	1.1 U	1.3 U	NA	NA	NA	NA	NA	NA	NA
	Pyridine	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodi-n-propylamine	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	4-Chloro-3-methylphenol	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	0.95 U	0.97 U	0.95 U	0.88 U	1.1 U	0.93 U	0.94 U	0.91 U	1.7 U	0.91 U	1.1 U	1.3 U	NA	NA	NA	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	0.95 U	0.97 U	0.95 U	0.88 U	1.1 U	0.93 U	0.94 U	0.91 U	1.7 U	0.91 U	1.1 U	1.3 U	NA	NA	NA	NA	NA	NA	NA
	4-Chlorophenyl phenyl ether	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	0.95 U	0.97 U	0.95 U	0.88 U	1.1 U	0.93 U	0.94 U	0.91 U	1.7 U	0.91 U	1.1 U	1.3 U	NA	NA	NA	NA	NA	NA	NA
	4,6-Dinitro-2-methylphenol	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodiphenylamine	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
	Carbazole	NS	NS	0.38 U	0.39 U	0.38 U	0.35 U	0.44 U	0.37 U	0.37 U	0.36 U	0.68 U	0.36 U	0.44 U	0.50 U	NA	NA	NA	NA	NA	NA	NA
PCBs																						
(mg/kg)	Aroclor-1016	2	3	NA	0.093 U	NA	0.084 U	NA	NA	0.086 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1221	2	3	NA	0.093 U	NA	0.084 U	NA	NA	0.086 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1232	2	3	NA	0.093 U	NA	0.084 U	NA	NA	0.086 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1242	2	3	NA	0.093 U	NA	0.084 U	NA	NA	0.086 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1248	2	3	NA	0.093 U	NA	0.084 U	NA	NA	0.086 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1254	2	3	NA	**0.190**	NA	0.084 U	NA	NA	0.086 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1260	2	3	NA	0.093 U	NA	0.084 U	NA	NA	0.086 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1262	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																						
(mg/kg)	Antimony	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	20	20	**3.2**	**18**	**8.5**	1.1 U	**11**	**7.0**	**7.4**	1.1 U	**2.4**	**3.4**	**19**	**27**	NA	NA	NA	NA	NA	NA	NA
	Barium	1,000	3,000	**120**	**550**	**110**	**37**	**570**	**170**	**100**	**150**	**39**	**120**	**420**	**880**	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	30	0.58 U	**1.5**	0.56 U	0.53 U	0.68 U	0.55 U	0.59 U	0.55 U	0.53 U	0.58 U	3.4 U	**6.2**	NA	NA	NA	NA	NA	NA	NA

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	AB-1	AB-2	AB-3	AB-4	AB-5	AB-6	AB-7	AB-8	AB-9	AB-10	AB-11	AB-12	AB13A	AB13B	AB14A	AB14B	AB15A	AB15B	AB16A
			Depth (feet):	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2
			Date sampled:	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	6/17/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002
		S-1/GW-3	S-2/GW-3																			
	Chromium (total)	30	200	12 U	**250**	**25**	**30**	14 U	11 U	12 U	**96**	11 U	12 U	**16**	**46**	NA	NA	NA	NA	NA	NA	NA
	Chromium (VI)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	**850**	**740**	**210**	11 U	**270**	**230**	**110**	**21**	**73**	**700**	**700**	**2200**	**5,300**	**130**	**12**	**800**	**49**	**1,300**	**55**
	Mercury	20	30	**0.074**	**0.39**	**0.075**	0.036 U	**0.057**	**0.13**	0.038 U	0.036 U	**0.069**	**3.0**	**0.39**	**1.1**	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	800	12 U	12 U	11 U	11 U	14 U	11 U	12 U	11 U	11 U	12 U	14 U	15 U	NA	NA	NA	NA	NA	NA	NA
	Silver	100	200	5.8 U	6.0 U	5.6 U	5.3 U	6.8 U	5.5 U	5.9 U	5.5 U	5.3 U	5.8 U	6.8 U	7.6 U	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2,500	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)	TPH	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxidation Reduction Potential (mV)	ORP	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	pH	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Standards to be compared:			S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-2	S-1	S-1	S-1	S-1	S-1

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mV - milliVolt.
s.u. - Standard unit.
J - Estimated value; below quantitation limit.
NA - Sample not analyzed for the listed analyte.
NS - No standard available for this compound.
R - Rejected during data review due to poor internal standard response.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed the applicable Method 1 S-1 or S-2 standards.
(1) - MassDEP Method 1 standards for C9-C10 aromatics used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.
EPH - Extractable Petroleum Hydrocarbons.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
VOCs - Volatile Organic Compounds.
VPH - Volatile Petroleum Hydrocarbons.

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	AB16B	AB17A	AB17B	AB18A	AB18B	AB19A	AB19B	AB20A	AB20B	AB21A	AB21B	AB22A	AB22B	AB23A	AB23B	AB24A	AB24B	AB25A	AB25B
			Depth (feet):	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4
			Date sampled:	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/7/2002	8/7/2002	8/6/2002	8/6/2002
		S-1/GW-3	S-2/GW-3																			
VOCs																						
(mg/kg)	Methylene chloride	200	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	10	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	10	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	4	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	10	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1-Trichloroethane	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	9[2]	70[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	9[2]	70[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	200	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	90	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert butyl ether	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p/m-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	7	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Chlorotoluene	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100[1]	500[1]	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	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 Soil Samples - 2002, 2006 through 2010, and 2012
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Analysis	Analyte		Sample ID:	AB16B	AB17A	AB17B	AB18A	AB18B	AB19A	AB19B	AB20A	AB20B	AB21A	AB21B	AB22A	AB22B	AB23A	AB23B	AB24A	AB24B	AB25A	AB25B
			Depth (feet):	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4
			Date sampled:	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/7/2002	8/7/2002	8/6/2002	8/6/2002
		S-1/GW-3	S-2/GW-3																			
	1,2,4-Trichlorobenzene	500	900	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)	500(1)	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)	500(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl-Tert-Butyl-Ether	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	70	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VPH																						
(mg/kg)	C5 - C8 Aliphatics	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C12 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C10 Aromatics	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert-butyl ether	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m/p-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPH																						
(mg/kg)	C9 - C18 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C19 - C36 Aliphatics	3,000	5,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C11 - C22 Aromatics	1000	3000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs																						
(mg/kg)	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(ghi)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																						
(mg/kg)	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	500	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	5	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	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3-Dichlorobenzidine	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,6-Dinitrotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl-phenylether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-oxybis(1-Chloropropane)	3	50	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	9	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isophorone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nitrobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Analysis	Analyte		Sample ID:	AB16B	AB17A	AB17B	AB18A	AB18B	AB19A	AB19B	AB20A	AB20B	AB21A	AB21B	AB22A	AB22B	AB23A	AB23B	AB24A	AB24B	AB25A	AB25B
			Depth (feet):	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4
			Date sampled:	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/7/2002	8/7/2002	8/6/2002	8/6/2002
		S-1/GW-3	S-2/GW-3																			
	bis(2-Ethylhexyl)phthalate	200	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butylbenzylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-butylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethylphthalate	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dimethylphthalate	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetophenone	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	40	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenol	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Methylphenol/4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyridine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodi-n-propylamine	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodiphenylamine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbazole	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																						
(mg/kg)	Aroclor-1016	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1221	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1232	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1242	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1248	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1254	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1260	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1262	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																						
(mg/kg)	Antimony	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	30	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	AB16B	AB17A	AB17B	AB18A	AB18B	AB19A	AB19B	AB20A	AB20B	AB21A	AB21B	AB22A	AB22B	AB23A	AB23B	AB24A	AB24B	AB25A	AB25B
			Depth (feet):	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4
			Date sampled:	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/6/2002	8/7/2002	8/7/2002	8/6/2002	8/6/2002
		S-1/GW-3	S-2/GW-3																			
	Chromium (total)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium (VI)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	11 U	**120**	12 U	**440**	**21**	**820**	**1,900**	**29**	**19**	**930**	**89**	**47**	11 U	**410**	**1,500**	**430**	**69**	**1,800**	**39**
	Mercury	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2,500	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)	TPH	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxidation Reduction Potential (mV)	ORP	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	pH	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Standards to be compared:			S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mV - milliVolt.
s.u. - Standard unit.
J - Estimated value; below quantitation limit.
NA - Sample not analyzed for the listed analyte.
NS - No standard available for this compound.
R - Rejected during data review due to poor internal standard response.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed the applicable Method 1 S-1 or S-2 standards.
(1) - MassDEP Method 1 standards for C9-C10 aromatics used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.
EPH - Extractable Petroleum Hydrocarbons.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
VOCs - Volatile Organic Compounds.
VPH - Volatile Petroleum Hydrocarbons.

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	AB26A	AB26B	AB27A	AB27B	AB28A	AB28B	AB30A	AB30B	AB31A	AB31B	AB32A	AB32B	AB33A	AB33B	AB34A	AB34B	AB35A
			Depth (feet):	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2
			Date sampled:	8/7/2002	8/7/2002	8/6/2002	8/6/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/8/2002	8/8/2002	8/8/2002	8/8/2002	8/8/2002
		S-1/GW-3	S-2/GW-3																	
VOCs																				
(mg/kg)	Methylene chloride	200	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	10	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	10	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	4	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	10	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1-Trichloroethane	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	9[2]	70[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	9[2]	70[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	200	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	90	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert butyl ether	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p/m-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	7	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromo-3-chloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichlorobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
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Analysis	Analyte		Sample ID:	AB26A	AB26B	AB27A	AB27B	AB28A	AB28B	AB30A	AB30B	AB31A	AB31B	AB32A	AB32B	AB33A	AB33B	AB34A	AB34B	AB35A
			Depth (feet):	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2
			Date sampled:	8/7/2002	8/7/2002	8/6/2002	8/6/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/8/2002	8/8/2002	8/8/2002	8/8/2002	8/8/2002
		S-1/GW-3	S-2/GW-3																	
	1,2,4-Trichlorobenzene	500	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3,5-Trimethylbenzene	100(1)	500(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trimethylbenzene	100(1)	500(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl-Tert-Butyl-Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tertiary-Amyl Methyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	70	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VPH																				
(mg/kg)	C5 - C8 Aliphatics	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C12 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C10 Aromatics	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert-butyl ether	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m/p-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPH																				
(mg/kg)	C9 - C18 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C19 - C36 Aliphatics	3,000	5,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C11 - C22 Aromatics	1000	3000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs																				
(mg/kg)	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(ghi)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																				
(mg/kg)	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	500	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	bis(2-Chloroethyl)Ether	0.7	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3-Dichlorobenzidine	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,6-Dinitrotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl-phenylether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-oxybis(1-Chloropropane)	3	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	bis(2-Chloroethoxy)methane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	9	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isophorone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nitrobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	AB26A	AB26B	AB27A	AB27B	AB28A	AB28B	AB30A	AB30B	AB31A	AB31B	AB32A	AB32B	AB33A	AB33B	AB34A	AB34B	AB35A
			Depth (feet):	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2
			Date sampled:	8/7/2002	8/7/2002	8/6/2002	8/6/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/8/2002	8/8/2002	8/8/2002	8/8/2002	8/8/2002
		S-1/GW-3	S-2/GW-3																	
	bis(2-Ethylhexyl)phthalate	200	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butylbenzylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-butylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethylphthalate	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dimethylphthalate	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetophenone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,6-Trichlorophenol	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	40	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenol	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Methylphenol/4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyridine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodi-n-propylamine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloro-3-methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorophenyl phenyl ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,6-Dinitro-2-methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodiphenylamine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbazole	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																				
(mg/kg)	Aroclor-1016	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1221	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1232	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1242	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1248	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1254	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1260	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1262	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																				
(mg/kg)	Antimony	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	AB26A	AB26B	AB27A	AB27B	AB28A	AB28B	AB30A	AB30B	AB31A	AB31B	AB32A	AB32B	AB33A	AB33B	AB34A	AB34B	AB35A
			Depth (feet):	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4	0-2
			Date sampled:	8/7/2002	8/7/2002	8/6/2002	8/6/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/7/2002	8/8/2002	8/8/2002	8/8/2002	8/8/2002	8/8/2002
		S-1/GW-3	S-2/GW-3																	
	Chromium (total)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium (VI)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	**440**	11 U	11 U	**54**	**290**	**38**	**36**	**12**	**1,100**	**8,400**	**330**	**2,600**	**420**	**710**	**450**	**2,000**	**200**
	Mercury	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2,500	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)	TPH	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxidation Reduction Potential (mV)	ORP	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	pH	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Standards to be compared:	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mV - milliVolt.
s.u. - Standard unit.
J - Estimated value; below quantitation limit.
NA - Sample not analyzed for the listed analyte.
NS - No standard available for this compound.
R - Rejected during data review due to poor internal standard response.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed the applicable Method 1 S-1 or S-2 standards.
(1) - MassDEP Method 1 standards for C9-C10 aromatics used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.
EPH - Extractable Petroleum Hydrocarbons.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
VOCs - Volatile Organic Compounds.
VPH - Volatile Petroleum Hydrocarbons.

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	AB35B	AB36A	AB36B	TRC-1					TRC-2				TRC-3			TRC-4				
			Depth (feet):	2-4	0-2	2-4	0-3	0-3	5-6	3-10	10-12.5	0-3	0-3	1-3	3-6.5	0-3	3-6	5-6	0-3	1-2	3-10	3-10	10-12
			Date sampled:	8/8/2002	8/8/2002	8/8/2002	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006
		S-1/GW-3	S-2/GW-3					Field Dup					Field Dup									Field Dup	
VOCs																							
(mg/kg)	Methylene chloride	200	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	10	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	10	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	4	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	10	90	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	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	9[(2)]	70[(2)]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	9[(2)]	70[(2)]	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	200	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	90	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	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	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p/m-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.7	4	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	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	7	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100[(1)]	500[(1)]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100[(1)]	500[(1)]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100[(1)]	500[(1)]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Chlorotoluene	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100[(1)]	500[(1)]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100[(1)]	500[(1)]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100[(1)]	500[(1)]	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	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	AB35B	AB36A	AB36B	TRC-1					TRC-2				TRC-3			TRC-4				
			Depth (feet):	2-4	0-2	2-4	0-3	0-3	5-6	3-10	10-12.5	0-3	0-3	1-3	3-6.5	0-3	3-6	5-6	0-3	1-2	3-10	3-10	10-12
			Date sampled:	8/8/2002	8/8/2002	8/8/2002	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006
		S-1/GW-3	S-2/GW-3					Field Dup					Field Dup									Field Dup	
	1,2,4-Trichlorobenzene	500	900	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)	500(1)	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)	500(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl-Tert-Butyl-Ether	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	70	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VPH																							
(mg/kg)	C5 - C8 Aliphatics	100	500	NA	NA	NA	NA	NA	6.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12 U	NA	NA	NA
	C9 - C12 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	6.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12 U	NA	NA	NA
	C9 - C10 Aromatics	100	500	NA	NA	NA	NA	NA	6.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	12 U	NA	NA	NA
	Methyl tert-butyl ether	100	500	NA	NA	NA	NA	NA	0.060 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.120 U	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	0.060 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.120 U	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	0.060 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.120 U	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	0.060 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.120 U	NA	NA	NA
	m/p-Xylene	500	1,000	NA	NA	NA	NA	NA	0.060 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.120 U	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	0.060 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.120 U	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	0.060 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.120 U	NA	NA	NA
EPH																							
(mg/kg)	C9 - C18 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80 U	NA	NA	NA
	C19 - C36 Aliphatics	3,000	5,000	NA	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**24 J**	NA	NA	NA
	C11 - C22 Aromatics	1000	3000	NA	NA	NA	NA	NA	85 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**53 J**	NA	NA	NA
PAHs																							
(mg/kg)	Naphthalene	500	1,000	NA	NA	NA	0.37 U	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	0.80 U	0.39 U	NA	0.43 U
	2-Methylnaphthalene	300	500	NA	NA	NA	0.37 U	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	0.80 U	0.39 U	NA	0.43 U
	Acenaphthylene	10	10	NA	NA	NA	0.37 U	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	0.80 U	0.39 U	NA	0.43 U
	Acenaphthene	1,000	3,000	NA	NA	NA	0.37 U	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	0.80 U	0.39 U	NA	0.43 U
	Fluorene	1,000	3,000	NA	NA	NA	0.37 U	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	0.80 U	0.39 U	NA	0.43 U
	Phenanthrene	500	1,000	NA	NA	NA	**0.42**	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	**0.80**	0.39 U	NA	0.43 U
	Anthracene	1,000	3,000	NA	NA	NA	0.37 U	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	0.80 U	0.39 U	NA	0.43 U
	Fluoranthene	1,000	3,000	NA	NA	NA	**0.45**	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	**0.80**	0.39 U	NA	0.43 U
	Pyrene	1,000	3,000	NA	NA	NA	**0.40**	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	**0.70 J**	0.39 U	NA	0.43 U
	Benzo(a)anthracene	7	40	NA	NA	NA	0.37 U	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	0.80 U	0.39 U	NA	0.43 U
	Chrysene	70	400	NA	NA	NA	0.37 U	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	**0.60 J**	0.39 U	NA	0.43 U
	Benzo(b)fluoranthene	7	40	NA	NA	NA	0.37 U	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	**0.40 J**	0.39 U	NA	0.43 U
	Benzo(k)fluoranthene	70	400	NA	NA	NA	0.37 U	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	0.80 U	0.39 U	NA	0.43 U
	Benzo(a)pyrene	2	4	NA	NA	NA	0.37 U	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	0.80 U	0.39 U	NA	0.43 U
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	0.37 U	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	0.80 U	0.39 U	NA	0.43 U
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	0.37 U	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	0.80 U	0.39 U	NA	0.43 U
	Benzo(ghi)perylene	1,000	3,000	NA	NA	NA	0.37 U	NA	0.85 U	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	0.80 U	0.39 U	NA	0.43 U
	Dibenzofuran	NS	NS	NA	NA	NA	0.37 U	NA	NA	NA	0.39 U	NA	NA	0.45 U	NA	NA	NA	0.37 U	NA	NA	0.39 U	NA	0.43 U
SVOCs																							
(mg/kg)	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	500	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	5	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	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3-Dichlorobenzidine	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	10	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl-phenylether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-oxybis(1-Chloropropane)	3	50	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	9	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isophorone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nitrobenzene	NS	NS	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	AB35B	AB36A	AB36B	TRC-1					TRC-2				TRC-3			TRC-4				
			Depth (feet):	2-4	0-2	2-4	0-3	0-3	5-6	3-10	10-12.5	0-3	0-3	1-3	3-6.5	0-3	3-6	5-6	0-3	1-2	3-10	3-10	10-12
			Date sampled:	8/8/2002	8/8/2002	8/8/2002	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006
		S-1/GW-3	S-2/GW-3					Field Dup					Field Dup									Field Dup	
	bis(2-Ethylhexyl)phthalate	200	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butylbenzylphthalate	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethylphthalate	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dimethylphthalate	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetophenone	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	40	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenol	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Methylphenol/4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyridine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodi-n-propylamine	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodiphenylamine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbazole	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																							
(mg/kg)	Aroclor-1016	2	3	NA	NA	NA	0.074 U	NA	NA	0.091 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.078 U	0.082 U	NA
	Aroclor-1221	2	3	NA	NA	NA	0.074 U	NA	NA	0.091 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.078 U	0.082 U	NA
	Aroclor-1232	2	3	NA	NA	NA	0.074 U	NA	NA	0.091 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.078 U	0.082 U	NA
	Aroclor-1242	2	3	NA	NA	NA	0.074 U	NA	NA	0.091 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.078 U	0.082 U	NA
	Aroclor-1248	2	3	NA	NA	NA	0.074 U	NA	NA	0.091 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.078 U	0.082 U	NA
	Aroclor-1254	2	3	NA	NA	NA	**0.13**	NA	NA	0.091 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.078 U	0.082 U	NA
	Aroclor-1260	2	3	NA	NA	NA	0.074 U	NA	NA	0.091 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.078 U	0.082 U	NA
	Aroclor 1262	2	3	NA	NA	NA	**0.13**	NA	NA	0.091 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.078 U	0.082 U	NA
	Aroclor 1268	2	3	NA	NA	NA	0.074 U	NA	NA	0.091 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.078 U	0.082 U	NA
Metals																							
(mg/kg)	Antimony	20	30	NA	NA	NA	0.28 U	0.26 U	NA	NA	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.28 U	NA	0.29 U
	Arsenic	20	20	NA	NA	NA	4.2 U	4.1 U	NA	NA	4.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3 U	NA	7.8 U
	Barium	1,000	3,000	NA	NA	NA	**25**	**24**	NA	NA	**17**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9.5**	NA	**340**
	Beryllium	100	200	NA	NA	NA	**0.13**	**0.13**	NA	NA	**0.16**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.10**	NA	**0.24**
	Cadmium	2	30	NA	NA	NA	0.21 U	0.21 U	NA	NA	0.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.21 U	NA	0.26 U

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	AB35B	AB36A	AB36B	TRC-1					TRC-2				TRC-3			TRC-4				
			Depth (feet):	2-4	0-2	2-4	0-3	0-3	5-6	3-10	10-12.5	0-3	0-3	1-3	3-6.5	0-3	3-6	5-6	0-3	1-2	3-10	3-10	10-12
			Date sampled:	8/8/2002	8/8/2002	8/8/2002	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006
		S-1/GW-3	S-2/GW-3					Field Dup					Field Dup									Field Dup	
	Chromium (total)	30	200	NA	NA	NA	**9.2**	**7.0**	NA	NA	**6.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.0**	NA	**83**
	Chromium (VI)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	**2,000**	**310**	**3,300**	**32**	**34**	NA	**4.6**	**5.0**	**58**	**98**	NA	**11**	**20**	**10**	NA	**29,000**	NA	**8.0**	NA	**3.3**
	Mercury	20	30	NA	NA	NA	**0.29**	**0.20**	NA	NA	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 U	NA	0.11 U
	Nickel	20	700	NA	NA	NA	**4.7**	**4.1**	NA	NA	**4.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.3**	NA	**32**
	Selenium	400	800	NA	NA	NA	8.5 U	8.3 U	NA	NA	8.2 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.5 U	NA	26 U
	Silver	100	200	NA	NA	NA	4.3 U	4.1 U	NA	NA	4.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3 U	NA	5.2 U
	Thallium	8	60	NA	NA	NA	4.2 U	4.1 U	NA	NA	4.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3 U	NA	31 U
	Vanadium	600	1,000	NA	NA	NA	**14**	**12**	NA	NA	**8.8**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.2**	NA	**70**
	Zinc	2,500	3,000	NA	NA	NA	**28**	**22**	NA	NA	**15**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**15**	NA	**64**
Total Petroleum Hydrocarbons (mg/kg)	TPH	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxidation Reduction Potential (mV)	ORP	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	pH	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Standards to be compared:			S-1	S-1	S-1	S-1	S-1	S-2	S-2	S-2	S-1	S-1	S-1	S-2	S-1	S-2	S-2	S-1	S-1	S-2	S-2	S-2

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mV - milliVolt.
s.u. - Standard unit.
J - Estimated value; below quantitation limit.
NA - Sample not analyzed for the listed analyte.
NS - No standard available for this compound.
R - Rejected during data review due to poor internal standard response.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed the applicable Method 1 S-1 or S-2 standards.
(1) - MassDEP Method 1 standards for C9-C10 aromatics used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.
EPH - Extractable Petroleum Hydrocarbons.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
VOCs - Volatile Organic Compounds.
VPH - Volatile Petroleum Hydrocarbons.

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	TRC-5			TRC-6			TRC-7				TRC-8				TRC-9			TRC-10
			Depth (feet):	0-3	3-6.5	5.5-6.5	0-3	3-6.5	5.5-6.5	0-0.5	0.5-3	0.5-3	6-8	0-3	1-2	1-2	3-12	0.5-2	0-3	3-6	0-3
			Date sampled:	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006
		S-1/GW-3	S-2/GW-3									Field Dup				Field Dup					
VOCs																					
(mg/kg)	Methylene chloride	200	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	10	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	10	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	4	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	10	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1-Trichloroethane	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	9[2]	70[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	9[2]	70[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	200	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	90	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert butyl ether	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p/m-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	7	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Chlorotoluene	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichlorobenzene	NS	NS	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		TRC-5			TRC-6			TRC-7				TRC-8				TRC-9			TRC-10
		Depth (feet):		0-3	3-6.5	5.5-6.5	0-3	3-6.5	5.5-6.5	0-0.5	0.5-3	0.5-3	6-8	0-3	1-2	1-2	3-12	0.5-2	0-3	3-6	0-3
		Date sampled:		4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006
		S-1/GW-3	S-2/GW-3									Field Dup				Field Dup					
	1,2,4-Trichlorobenzene	500	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3,5-Trimethylbenzene	100(1)	500(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trimethylbenzene	100(1)	500(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl-Tert-Butyl-Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tertiary-Amyl Methyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	70	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VPH																					
(mg/kg)	C5 - C8 Aliphatics	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13 U	14 U	NA	NA	NA	NA	NA
	C9 - C12 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13 U	14 U	NA	NA	NA	NA	NA
	C9 - C10 Aromatics	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13 U	14 U	NA	NA	NA	NA	NA
	Methyl tert-butyl ether	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.130 U	0.145 U	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.130 U	0.145 U	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.130 U	0.145 U	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.130 U	0.145 U	NA	NA	NA	NA	NA
	m/p-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.130 U	0.145 U	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.130 U	0.145 U	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.130 U	0.145 U	NA	NA	NA	NA	NA
EPH																					
(mg/kg)	C9 - C18 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	96 U	110 U	NA	NA	NA	NA	NA
	C19 - C36 Aliphatics	3,000	5,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**85 J**	**130**	NA	NA	NA	NA	NA
	C11 - C22 Aromatics	1000	3000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**110**	**200**	NA	NA	NA	NA	NA
PAHs																					
(mg/kg)	Naphthalene	500	1,000	NA	NA	0.38 U	NA	NA	0.41 U	0.37 U	0.35 U	0.36 U	0.37 U	NA	0.96 U	1.1 U	0.37 U	0.44 U	NA	NA	0.44 U
	2-Methylnaphthalene	300	500	NA	NA	0.38 U	NA	NA	0.41 U	0.37 U	0.35 U	0.36 U	0.37 U	NA	0.96 U	1.1 U	0.37 U	0.44 U	NA	NA	0.44 U
	Acenaphthylene	10	10	NA	NA	0.38 U	NA	NA	0.41 U	0.37 U	0.35 U	0.36 U	0.37 U	NA	0.96 U	1.1 U	0.37 U	0.44 U	NA	NA	0.44 U
	Acenaphthene	1,000	3,000	NA	NA	0.38 U	NA	NA	0.41 U	0.37 U	0.35 U	0.36 U	0.37 U	NA	0.96 U	1.1 U	0.37 U	0.44 U	NA	NA	0.44 U
	Fluorene	1,000	3,000	NA	NA	0.38 U	NA	NA	**0.50**	0.37 U	0.35 U	0.36 U	0.37 U	NA	0.96 U	1.1 U	0.37 U	0.44 U	NA	NA	0.44 U
	Phenanthrene	500	1,000	NA	NA	0.38 U	NA	NA	**6.6**	0.37 U	0.35 U	0.36 U	0.37 U	NA	0.96 U	**3.6**	0.37 U	0.44 U	NA	NA	0.44 U
	Anthracene	1,000	3,000	NA	NA	0.38 U	NA	NA	**1.5**	0.37 U	0.35 U	0.36 U	0.37 U	NA	0.96 U	1.1 U	0.37 U	0.44 U	NA	NA	0.44 U
	Fluoranthene	1,000	3,000	NA	NA	0.38 U	NA	NA	**8.9**	0.37 U	0.35 U	0.36 U	0.37 U	NA	**1.7**	**3.7**	**0.40**	0.44 U	NA	NA	0.44 U
	Pyrene	1,000	3,000	NA	NA	0.38 U	NA	NA	**9.3**	0.37 U	0.35 U	0.36 U	0.37 U	NA	**1.7**	**4.7**	**0.75**	0.44 U	NA	NA	**0.67**
	Benzo(a)anthracene	7	40	NA	NA	0.38 U	NA	NA	**4.0**	0.37 U	0.35 U	0.36 U	0.37 U	NA	**1.3**	**1.9**	0.37 U	0.44 U	NA	NA	0.44 U
	Chrysene	70	400	NA	NA	0.38 U	NA	NA	**4.2**	0.37 U	0.35 U	0.36 U	0.37 U	NA	**1.4**	**2.2**	0.37 U	0.44 U	NA	NA	0.44 U
	Benzo(b)fluoranthene	7	40	NA	NA	0.38 U	NA	NA	**4.2**	0.37 U	0.35 U	0.36 U	0.37 U	NA	**1.4**	**1.3**	**0.51**	0.44 U	NA	NA	**0.50**
	Benzo(k)fluoranthene	70	400	NA	NA	0.38 U	NA	NA	**3.4**	0.37 U	0.35 U	0.36 U	0.37 U	NA	**1.3**	**1.6**	R	0.44 U	NA	NA	R
	Benzo(a)pyrene	2	4	NA	NA	0.38 U	NA	NA	**3.8**	0.37 U	0.35 U	0.36 U	0.37 U	NA	**1.6**	**1.7**	R	0.44 U	NA	NA	R
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	0.38 U	NA	NA	**1.0**	0.37 U	0.35 U	0.36 U	0.37 U	NA	**1.4**	**0.90 J**	R	0.44 U	NA	NA	R
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	0.38 U	NA	NA	0.41 U	0.37 U	0.35 U	0.36 U	0.37 U	NA	0.96 U	1.1 U	R	0.44 U	NA	NA	R
	Benzo(ghi)perylene	1,000	3,000	NA	NA	0.38 U	NA	NA	**0.81**	0.37 U	0.35 U	0.36 U	0.37 U	NA	**0.90 J**	**0.7 J**	R	0.44 U	NA	NA	R
	Dibenzofuran	NS	NS	NA	NA	0.38 U	NA	NA	0.41 U	0.37 U	0.35 U	0.36 U	0.37 U	NA	NA	NA	0.37 U	0.44 U	NA	NA	0.44 U
SVOCs																					
(mg/kg)	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	500	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	bis(2-Chloroethyl)Ether	0.7	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3-Dichlorobenzidine	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,6-Dinitrotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl-phenylether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-oxybis(1-Chloropropane)	3	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	bis(2-Chloroethoxy)methane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	9	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isophorone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nitrobenzene	NS	NS	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		TRC-5			TRC-6			TRC-7				TRC-8				TRC-9			TRC-10
		Depth (feet):		0-3	3-6.5	5.5-6.5	0-3	3-6.5	5.5-6.5	0-0.5	0.5-3	0.5-3	6-8	0-3	1-2	1-2	3-12	0.5-2	0-3	3-6	0-3
		Date sampled:		4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006
		S-1/GW-3	S-2/GW-3									Field Dup				Field Dup					
	bis(2-Ethylhexyl)phthalate	200	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butylbenzylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-butylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethylphthalate	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dimethylphthalate	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetophenone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,6-Trichlorophenol	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	40	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenol	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Methylphenol/4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyridine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodi-n-propylamine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloro-3-methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorophenyl phenyl ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodiphenylamine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbazole	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																					
(mg/kg)	Aroclor-1016	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.074 U	NA	NA	NA	NA
	Aroclor-1221	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.074 U	NA	NA	NA	NA
	Aroclor-1232	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.074 U	NA	NA	NA	NA
	Aroclor-1242	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.074 U	NA	NA	NA	NA
	Aroclor-1248	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.074 U	NA	NA	NA	NA
	Aroclor-1254	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.074 U	NA	NA	NA	NA
	Aroclor-1260	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.074 U	NA	NA	NA	NA
	Aroclor 1262	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.074 U	NA	NA	NA	NA
	Aroclor 1268	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.074 U	NA	NA	NA	NA
Metals																					
(mg/kg)	Antimony	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.31 U	NA	NA	0.27 U	NA	NA	NA	NA
	Arsenic	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3 U	NA	NA	4.3 U	NA	NA	NA	NA
	Barium	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**510**	NA	NA	**84**	NA	NA	NA	NA
	Beryllium	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.30**	NA	NA	**0.21**	NA	NA	NA	NA
	Cadmium	2	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**11**	NA	NA	**0.70**	NA	NA	NA	NA

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		TRC-5			TRC-6			TRC-7				TRC-8				TRC-9			TRC-10
		Depth (feet):		0-3	3-6.5	5.5-6.5	0-3	3-6.5	5.5-6.5	0-0.5	0.5-3	0.5-3	6-8	0-3	1-2	1-2	3-12	0.5-2	0-3	3-6	0-3
		Date sampled:		4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006	4/5/2006
		S-1/GW-3	S-2/GW-3									Field Dup				Field Dup					
	Chromium (total)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**17**	NA	NA	**12**	NA	NA	NA	NA
	Chromium (VI)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	2.2 U	**200**	NA	**10**	**4,800**	NA	**12**	**7.2**	NA	**3.8**	**1,500**	NA	NA	**280**	NA	**970**	**29**	**1,300**
	Mercury	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.41**	NA	NA	0.11 U	NA	NA	NA	NA
	Nickel	20	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**18**	NA	NA	**10**	NA	NA	NA	NA
	Selenium	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	65 U	NA	NA	26 U	NA	NA	NA	NA
	Silver	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.5 U	NA	NA	4.3 U	NA	NA	NA	NA
	Thallium	8	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3 U	NA	NA	4.3 U	NA	NA	NA	NA
	Vanadium	600	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**68**	NA	NA	**11**	NA	NA	NA	NA
	Zinc	2,500	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3,100**	NA	NA	**550**	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)	TPH	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxidation Reduction Potential (mV)	ORP	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	pH	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Standards to be compared:			S-1	S-2	S-2	S-1	S-2	S-2	S-1	S-1	S-1	S-2	S-1	S-1	S-1	S-2	S-1	S-1	S-2	S-1

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mV - milliVolt.
s.u. - Standard unit.
J - Estimated value; below quantitation limit.
NA - Sample not analyzed for the listed analyte.
NS - No standard available for this compound.
R - Rejected during data review due to poor internal standard response.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed the applicable Method 1 S-1 or S-2 standards.
(1) - MassDEP Method 1 standards for C9-C10 aromatics used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.
EPH - Extractable Petroleum Hydrocarbons.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
VOCs - Volatile Organic Compounds.
VPH - Volatile Petroleum Hydrocarbons.

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	TRC-11			MW5-0204	MW5-0608	MW6-0003	MW6-1012		TRC-12		TRC-13		TRC-14			TRC-15		TRC-16	
			Depth (feet):	0-0.5	0.5-3	7-11	2-4	6-8	0-3	10-12	10-12	0-3	3-4	0-3	3-4	0-3	0-3	3-4	0-3	3-4.5	0-3	3-5
			Date sampled:	4/5/2006	4/5/2006	4/5/2006	1/24/2007	1/24/2007	1/24/2007	1/24/2007	1/24/2007	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008
		S-1/GW-3	S-2/GW-3								Field Dup						Field Dup					
VOCs																						
(mg/kg)	Methylene chloride	200	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	10	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	10	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	4	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	10	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1-Trichloroethane	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	9[2]	70[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	9[2]	70[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	200	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	90	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert butyl ether	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p/m-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	7	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Chlorotoluene	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100[1]	500[1]	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	TRC-11			MW5-0204	MW5-0608	MW6-0003	MW6-1012		TRC-12		TRC-13		TRC-14			TRC-15		TRC-16	
			Depth (feet):	0-0.5	0.5-3	7-11	2-4	6-8	0-3	10-12	10-12	0-3	3-4	0-3	3-4	0-3	0-3	3-4	0-3	3-4.5	0-3	3-5
			Date sampled:	4/5/2006	4/5/2006	4/5/2006	1/24/2007	1/24/2007	1/24/2007	1/24/2007	1/24/2007	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008
		S-1/GW-3	S-2/GW-3								Field Dup						Field Dup					
	1,2,4-Trichlorobenzene	500	900	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)	500(1)	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)	500(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl-Tert-Butyl-Ether	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	70	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VPH																						
(mg/kg)	C5 - C8 Aliphatics	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C12 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C10 Aromatics	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert-butyl ether	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m/p-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPH																						
(mg/kg)	C9 - C18 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C19 - C36 Aliphatics	3,000	5,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C11 - C22 Aromatics	1000	3000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs																						
(mg/kg)	Naphthalene	500	1,000	0.42 U	0.44 U	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	0.42 U	0.44 U	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	0.42 U	0.44 U	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthene	1,000	3,000	0.42 U	0.44 U	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	0.42 U	0.44 U	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	**0.78**	**1.7**	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	0.42 U	0.44 U	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	**0.71**	**1.4**	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	**0.84**	**2.2**	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	0.42 U	**0.71**	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	0.42 U	**0.75**	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	0.42 U	**0.77**	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	0.42 U	R	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	0.42 U	**0.71**	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	0.42 U	R	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	0.42 U	R	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(ghi)perylene	1,000	3,000	0.42 U	R	0.39 U	0.41 U	0.46 U	0.74 U	0.38 U	0.37 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	0.42 U	0.44 U	0.39 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																						
(mg/kg)	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	500	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	5	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	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3-Dichlorobenzidine	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,6-Dinitrotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl-phenylether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-oxybis(1-Chloropropane)	3	50	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	9	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isophorone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nitrobenzene	NS	NS	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	TRC-11			MW5-0204	MW5-0608	MW6-0003	MW6-1012		TRC-12		TRC-13		TRC-14			TRC-15		TRC-16	
			Depth (feet):	0-0.5	0.5-3	7-11	2-4	6-8	0-3	10-12	10-12	0-3	3-4	0-3	3-4	0-3	0-3	3-4	0-3	3-4.5	0-3	3-5
			Date sampled:	4/5/2006	4/5/2006	4/5/2006	1/24/2007	1/24/2007	1/24/2007	1/24/2007	1/24/2007	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008
		S-1/GW-3	S-2/GW-3								Field Dup						Field Dup					
	bis(2-Ethylhexyl)phthalate	200	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butylbenzylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-butylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethylphthalate	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dimethylphthalate	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetophenone	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	40	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenol	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Methylphenol/4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyridine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodi-n-propylamine	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodiphenylamine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbazole	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																						
(mg/kg)	Aroclor-1016	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1221	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1232	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1242	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1248	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1254	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1260	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1262	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																						
(mg/kg)	Antimony	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	30	NA	NA	NA	0.41 U	NA	NA	0.36 U	0.40 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	TRC-11			MW5-0204	MW5-0608	MW6-0003	MW6-1012		TRC-12		TRC-13		TRC-14			TRC-15		TRC-16	
			Depth (feet):	0-0.5	0.5-3	7-11	2-4	6-8	0-3	10-12	10-12	0-3	3-4	0-3	3-4	0-3	0-3	3-4	0-3	3-4.5	0-3	3-5
			Date sampled:	4/5/2006	4/5/2006	4/5/2006	1/24/2007	1/24/2007	1/24/2007	1/24/2007	1/24/2007	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008
		S-1/GW-3	S-2/GW-3								Field Dup						Field Dup					
	Chromium (total)	30	200	NA	NA	NA	NA	NA	NA	**29.3**	**28.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium (VI)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	**82**	**420**	**4.5**	**768**	**15.5**	**31.5**	0.36 U	0.40 U	**960**	**300**	**45**	**5.3**	**36**	**57**	**24**	**6.2**	**4.3**	**1,100**	**820**
	Mercury	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	700	NA	NA	NA	NA	NA	NA	**16.3**	**15.2**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2,500	3,000	NA	NA	NA	**241**	NA	NA	**29.7**	**28.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)	TPH	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxidation Reduction Potential (mV)	ORP	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	pH	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Standards to be compared:			S-1	S-1	S-2	S-1	S-2	S-1	S-2	S-2	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mV - milliVolt.
s.u. - Standard unit.
J - Estimated value; below quantitation limit.
NA - Sample not analyzed for the listed analyte.
NS - No standard available for this compound.
R - Rejected during data review due to poor internal standard response.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed the applicable Method 1 S-1 or S-2 standards.
(1) - MassDEP Method 1 standards for C9-C10 aromatics used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.
EPH - Extractable Petroleum Hydrocarbons.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
VOCs - Volatile Organic Compounds.
VPH - Volatile Petroleum Hydrocarbons.

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	TRC-17		TRC-18		TRC-19		TRC-20		TRC-21		TRC-22		TRC-23	TRC-24	TRC-25		TRC-26	TRC-27	TRC-28	
			Depth (feet):	0-3	3-6	0-3	3-6	0-3	3-6	0-3	3-6	0-3	0-3	0-3	3-6	0-3	0-3	0-3	3-6	0-2.17	0-3	0-3	0-3
			Date sampled:	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	10/12/2009	10/12/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009
		S-1/GW-3	S-2/GW-3										Field Dup										Field Dup
VOCs																							
(mg/kg)	Methylene chloride	200	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	10	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	10	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	4	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	10	90	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	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	9[2]	70[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	9[2]	70[2]	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	200	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	90	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	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	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p/m-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.7	4	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	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	7	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Chlorotoluene	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100[1]	500[1]	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	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 Soil Samples - 2002, 2006 through 2010, and 2012
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New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	TRC-17		TRC-18		TRC-19		TRC-20		TRC-21		TRC-22		TRC-23	TRC-24	TRC-25		TRC-26	TRC-27	TRC-28	
			Depth (feet):	0-3	3-6	0-3	3-6	0-3	3-6	0-3	3-6	0-3	0-3	0-3	3-6	0-3	0-3	0-3	3-6	0-2.17	0-3	0-3	0-3
			Date sampled:	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	10/12/2009	10/12/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009
		S-1/GW-3	S-2/GW-3										Field Dup										Field Dup
	1,2,4-Trichlorobenzene	500	900	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)	500(1)	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)	500(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl-Tert-Butyl-Ether	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	70	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VPH																							
(mg/kg)	C5 - C8 Aliphatics	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C12 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C10 Aromatics	100	500	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	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m/p-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPH																							
(mg/kg)	C9 - C18 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C19 - C36 Aliphatics	3,000	5,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C11 - C22 Aromatics	1000	3000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs																							
(mg/kg)	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(ghi)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																							
(mg/kg)	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	500	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	5	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	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3-Dichlorobenzidine	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	10	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl-phenylether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-oxybis(1-Chloropropane)	3	50	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	9	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isophorone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nitrobenzene	NS	NS	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	TRC-17		TRC-18		TRC-19		TRC-20		TRC-21		TRC-22		TRC-23	TRC-24	TRC-25		TRC-26	TRC-27	TRC-28	
			Depth (feet):	0-3	3-6	0-3	3-6	0-3	3-6	0-3	3-6	0-3	0-3	0-3	3-6	0-3	0-3	0-3	3-6	0-2.17	0-3	0-3	0-3
			Date sampled:	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	10/12/2009	10/12/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009
		S-1/GW-3	S-2/GW-3										Field Dup										Field Dup
	bis(2-Ethylhexyl)phthalate	200	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butylbenzylphthalate	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethylphthalate	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dimethylphthalate	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetophenone	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	40	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenol	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Methylphenol/4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyridine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodi-n-propylamine	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodiphenylamine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbazole	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																							
(mg/kg)	Aroclor-1016	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1221	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1232	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1242	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1248	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1254	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1260	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1262	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																							
(mg/kg)	Antimony	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	30	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	TRC-17		TRC-18		TRC-19		TRC-20		TRC-21		TRC-22		TRC-23	TRC-24	TRC-25		TRC-26	TRC-27	TRC-28	
			Depth (feet):	0-3	3-6	0-3	3-6	0-3	3-6	0-3	3-6	0-3	0-3	0-3	3-6	0-3	0-3	0-3	3-6	0-2.17	0-3	0-3	0-3
			Date sampled:	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	9/2/2008	10/12/2009	10/12/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009
		S-1/GW-3	S-2/GW-3										Field Dup										Field Dup
	Chromium (total)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium (VI)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	0.85 U	0.86 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	**830**	**690**	**2,100**	**340**	**140**	**150**	**47**	**86**	NA	NA	**320**	**590**	**1,400**	**1,000**	**890**	**8.2**	**490**	**24**	**270**	**550**
	Mercury	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2,500	3,000	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)	TPH	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxidation Reduction Potential (mV)	ORP	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	**280**	**280**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	pH	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	**8.2**	**8.0**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Standards to be compared:			S-1	S-2	S-1	S-2	S-1	S-2	S-1	S-2	S-1	S-1	S-1	S-2	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mV - milliVolt.
s.u. - Standard unit.
J - Estimated value; below quantitation limit.
NA - Sample not analyzed for the listed analyte.
NS - No standard available for this compound.
R - Rejected during data review due to poor internal standard response.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed the applicable Method 1 S-1 or S-2 standards.
(1) - MassDEP Method 1 standards for C9-C10 aromatics used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.
EPH - Extractable Petroleum Hydrocarbons.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
VOCs - Volatile Organic Compounds.
VPH - Volatile Petroleum Hydrocarbons.

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	TRC-29	TRC-30		TRC-31	TRC-32	TRC-33	TRC-34	TRC-35	TRC-36	TRC-37		TRC-38	TRC-39	TRC-40	TRC-41	TRC-42	TRC-43	TRC-44	TRC-45	TRC-46
			Depth (feet):	0-1	0-3	3-4	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-2	0-3	0-3	0-3	0-3	0-3	0-3	0-3
			Date sampled:	10/12/2009	10/13/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009
		S-1/GW-3	S-2/GW-3											Field Dup									
VOCs																							
(mg/kg)	Methylene chloride	200	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	10	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	10	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	4	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	10	90	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	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	9[2]	70[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	9[2]	70[2]	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	200	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	90	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	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	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p/m-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.7	4	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	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	7	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Chlorotoluene	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100[1]	500[1]	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	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	TRC-29	TRC-30		TRC-31	TRC-32	TRC-33	TRC-34	TRC-35	TRC-36	TRC-37		TRC-38	TRC-39	TRC-40	TRC-41	TRC-42	TRC-43	TRC-44	TRC-45	TRC-46
			Depth (feet):	0-1	0-3	3-4	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-2	0-3	0-3	0-3	0-3	0-3	0-3	0-3
			Date sampled:	10/12/2009	10/13/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009
		S-1/GW-3	S-2/GW-3											Field Dup									
	1,2,4-Trichlorobenzene	500	900	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)	500(1)	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)	500(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl-Tert-Butyl-Ether	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	70	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VPH																							
(mg/kg)	C5 - C8 Aliphatics	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C12 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C10 Aromatics	100	500	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	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m/p-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPH																							
(mg/kg)	C9 - C18 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C19 - C36 Aliphatics	3,000	5,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C11 - C22 Aromatics	1000	3000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs																							
(mg/kg)	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(ghi)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																							
(mg/kg)	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	500	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	5	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	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3-Dichlorobenzidine	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	10	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl-phenylether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-oxybis(1-Chloropropane)	3	50	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	9	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isophorone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nitrobenzene	NS	NS	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	TRC-29	TRC-30		TRC-31	TRC-32	TRC-33	TRC-34	TRC-35	TRC-36	TRC-37		TRC-38	TRC-39	TRC-40	TRC-41	TRC-42	TRC-43	TRC-44	TRC-45	TRC-46
			Depth (feet):	0-1	0-3	3-4	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-2	0-3	0-3	0-3	0-3	0-3	0-3	0-3
			Date sampled:	10/12/2009	10/13/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009
		S-1/GW-3	S-2/GW-3											Field Dup									
	bis(2-Ethylhexyl)phthalate	200	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butylbenzylphthalate	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethylphthalate	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dimethylphthalate	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetophenone	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	40	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenol	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Methylphenol/4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyridine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodi-n-propylamine	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodiphenylamine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbazole	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																							
(mg/kg)	Aroclor-1016	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1221	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1232	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1242	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1248	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1254	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1260	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1262	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																							
(mg/kg)	Antimony	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	30	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	TRC-29	TRC-30		TRC-31	TRC-32	TRC-33	TRC-34	TRC-35	TRC-36	TRC-37		TRC-38	TRC-39	TRC-40	TRC-41	TRC-42	TRC-43	TRC-44	TRC-45	TRC-46
			Depth (feet):	0-1	0-3	3-4	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-2	0-3	0-3	0-3	0-3	0-3	0-3	0-3
			Date sampled:	10/12/2009	10/13/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/13/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009	10/12/2009
		S-1/GW-3	S-2/GW-3											Field Dup									
	Chromium (total)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium (VI)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	**11**	**12**	**9.3**	**28**	**48**	**140**	**53**	**100**	**75**	**140**	**80**	**940**	**12**	**6.8**	**59**	**6.2**	**9.6**	**35**	**850**	**5,800**
	Mercury	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2,500	3,000	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)	TPH	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxidation Reduction Potential (mV)	ORP	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	pH	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Standards to be compared:			S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mV - milliVolt.
s.u. - Standard unit.
J - Estimated value; below quantitation limit.
NA - Sample not analyzed for the listed analyte.
NS - No standard available for this compound.
R - Rejected during data review due to poor internal standard response.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed the applicable Method 1 S-1 or S-2 standards.
(1) - MassDEP Method 1 standards for C9-C10 aromatics used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.
EPH - Extractable Petroleum Hydrocarbons.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
VOCs - Volatile Organic Compounds.
VPH - Volatile Petroleum Hydrocarbons.

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	PX-1-1	PX-1-2	PX-1-3	PX-1-4	PX-1-5	PX-2A-1	PX-2A-2		PX-2A-3	PX-2A-4	PX-2A-5	PX-2A-5B		PX-2A-5C	PX-2A-6	PX-2A-7	PX-2B-1	PX-2B-2	PX-2B-3	PX-2B-4
			Depth (feet):	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
			Date sampled:	4/30/2010	4/30/2010	4/30/2010	5/3/2010	5/3/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/7/2010	5/7/2010	5/14/2010	5/5/2010	5/5/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010
		S-1/GW-3	S-2/GW-3								Field Dup					Field Dup							
VOCs																							
(mg/kg)	Methylene chloride	200	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	10	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	10	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	4	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	10	90	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	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	9[2]	70[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	9[2]	70[2]	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	200	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	90	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	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	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p/m-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.7	4	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	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	7	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Chlorotoluene	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100[1]	500[1]	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	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	PX-1-1	PX-1-2	PX-1-3	PX-1-4	PX-1-5	PX-2A-1	PX-2A-2		PX-2A-3	PX-2A-4	PX-2A-5	PX-2A-5B		PX-2A-5C	PX-2A-6	PX-2A-7	PX-2B-1	PX-2B-2	PX-2B-3	PX-2B-4
			Depth (feet):	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
			Date sampled:	4/30/2010	4/30/2010	4/30/2010	5/3/2010	5/3/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/7/2010	5/7/2010	5/14/2010	5/5/2010	5/5/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010
		S-1/GW-3	S-2/GW-3								Field Dup					Field Dup							
	1,2,4-Trichlorobenzene	500	900	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)	500(1)	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)	500(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl-Tert-Butyl-Ether	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	70	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VPH																							
(mg/kg)	C5 - C8 Aliphatics	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C12 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C10 Aromatics	100	500	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	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m/p-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPH																							
(mg/kg)	C9 - C18 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C19 - C36 Aliphatics	3,000	5,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C11 - C22 Aromatics	1000	3000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs																							
(mg/kg)	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(ghi)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																							
(mg/kg)	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	500	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	5	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	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3-Dichlorobenzidine	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	10	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl-phenylether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-oxybis(1-Chloropropane)	3	50	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	9	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isophorone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nitrobenzene	NS	NS	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	PX-1-1	PX-1-2	PX-1-3	PX-1-4	PX-1-5	PX-2A-1	PX-2A-2		PX-2A-3	PX-2A-4	PX-2A-5	PX-2A-5B		PX-2A-5C	PX-2A-6	PX-2A-7	PX-2B-1	PX-2B-2	PX-2B-3	PX-2B-4
			Depth (feet):	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
			Date sampled:	4/30/2010	4/30/2010	4/30/2010	5/3/2010	5/3/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/7/2010	5/7/2010	5/14/2010	5/5/2010	5/5/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010
		S-1/GW-3	S-2/GW-3								Field Dup					Field Dup							
	bis(2-Ethylhexyl)phthalate	200	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butylbenzylphthalate	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethylphthalate	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dimethylphthalate	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetophenone	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	40	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenol	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Methylphenol/4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyridine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodi-n-propylamine	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodiphenylamine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbazole	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																							
(mg/kg)	Aroclor-1016	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1221	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1232	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1242	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1248	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1254	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1260	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1262	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																							
(mg/kg)	Antimony	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	30	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	PX-1-1	PX-1-2	PX-1-3	PX-1-4	PX-1-5	PX-2A-1	PX-2A-2		PX-2A-3	PX-2A-4	PX-2A-5	PX-2A-5B		PX-2A-5C	PX-2A-6	PX-2A-7	PX-2B-1	PX-2B-2	PX-2B-3	PX-2B-4
			Depth (feet):	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
			Date sampled:	4/30/2010	4/30/2010	4/30/2010	5/3/2010	5/3/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/5/2010	5/7/2010	5/7/2010	5/14/2010	5/5/2010	5/5/2010	5/4/2010	5/4/2010	5/4/2010	5/4/2010
		S-1/GW-3	S-2/GW-3								Field Dup					Field Dup							
	Chromium (total)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium (VI)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	**26**	**8.3**	**87**	**93**	**28**	**640**	**270**	**260**	**290**	**340**	**5,500**	**1,600**	**1,200**	**810**	**360**	**320**	**360**	**360**	**380**	**1,200**
	Mercury	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2,500	3,000	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)	TPH	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxidation Reduction Potential (mV)	ORP	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	pH	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Standards to be compared:			S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mV - milliVolt.
s.u. - Standard unit.
J - Estimated value; below quantitation limit.
NA - Sample not analyzed for the listed analyte.
NS - No standard available for this compound.
R - Rejected during data review due to poor internal standard response.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed the applicable Method 1 S-1 or S-2 standards.
(1) - MassDEP Method 1 standards for C9-C10 aromatics used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.
EPH - Extractable Petroleum Hydrocarbons.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
VOCs - Volatile Organic Compounds.
VPH - Volatile Petroleum Hydrocarbons.

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	PX-2B-4B	PX-3A-1	PX-3A-2	PX-3A-3	PX-3A-4	PX-3A-5	PX-3A-6	PX-3A-7	PX-3A-8	PX-3A-9	PX-3A-10	PX-3A-11	PX-3A-12	PX-3A-13	PX-3A-14	PX-3A-15	PX-3A-16	PX-3A-17	PX-3A-18	PX-3A-19
			Depth (feet):	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
			Date sampled:	5/6/2010	5/7/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/14/2010
		S-1/GW-3	S-2/GW-3																				
VOCs																							
(mg/kg)	Methylene chloride	200	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon tetrachloride	10	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	10	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromochloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	4	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	100	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	10	90	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	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	20	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	9[2]	70[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	9[2]	70[2]	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	200	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.8	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	30	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl chloride	0.6	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethene	90	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	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	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p/m-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	400	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.7	4	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	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	7	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Chlorotoluene	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100[1]	500[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100[1]	500[1]	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	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	PX-2B-4B	PX-3A-1	PX-3A-2	PX-3A-3	PX-3A-4	PX-3A-5	PX-3A-6	PX-3A-7	PX-3A-8	PX-3A-9	PX-3A-10	PX-3A-11	PX-3A-12	PX-3A-13	PX-3A-14	PX-3A-15	PX-3A-16	PX-3A-17	PX-3A-18	PX-3A-19
			Depth (feet):	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
			Date sampled:	5/6/2010	5/7/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/14/2010
		S-1/GW-3	S-2/GW-3																				
	1,2,4-Trichlorobenzene	500	900	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)	500(1)	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)	500(1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropyl Ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl-Tert-Butyl-Ether	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	70	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VPH																							
(mg/kg)	C5 - C8 Aliphatics	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C12 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C10 Aromatics	100	500	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	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m/p-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPH																							
(mg/kg)	C9 - C18 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C19 - C36 Aliphatics	3,000	5,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C11 - C22 Aromatics	1000	3000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs																							
(mg/kg)	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(ghi)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																							
(mg/kg)	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	500	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	5	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	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3-Dichlorobenzidine	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	10	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl-phenylether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-oxybis(1-Chloropropane)	3	50	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	9	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isophorone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nitrobenzene	NS	NS	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 Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	PX-2B-4B	PX-3A-1	PX-3A-2	PX-3A-3	PX-3A-4	PX-3A-5	PX-3A-6	PX-3A-7	PX-3A-8	PX-3A-9	PX-3A-10	PX-3A-11	PX-3A-12	PX-3A-13	PX-3A-14	PX-3A-15	PX-3A-16	PX-3A-17	PX-3A-18	PX-3A-19
			Depth (feet):	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
			Date sampled:	5/6/2010	5/7/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/14/2010
		S-1/GW-3	S-2/GW-3																				
	bis(2-Ethylhexyl)phthalate	200	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butylbenzylphthalate	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethylphthalate	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dimethylphthalate	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetophenone	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	40	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenol	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Methylphenol/4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyridine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodi-n-propylamine	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodiphenylamine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbazole	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																							
(mg/kg)	Aroclor-1016	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1221	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1232	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1242	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1248	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1254	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1260	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1262	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																							
(mg/kg)	Antimony	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.7**	**3.2**	**5.5**	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.45 U	**1.8**	**1.5**	NA	NA	NA	NA	NA	NA	NA	NA

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	PX-2B-4B	PX-3A-1	PX-3A-2	PX-3A-3	PX-3A-4	PX-3A-5	PX-3A-6	PX-3A-7	PX-3A-8	PX-3A-9	PX-3A-10	PX-3A-11	PX-3A-12	PX-3A-13	PX-3A-14	PX-3A-15	PX-3A-16	PX-3A-17	PX-3A-18	PX-3A-19
			Depth (feet):	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3	0-3
			Date sampled:	5/6/2010	5/7/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/14/2010
		S-1/GW-3	S-2/GW-3																				
	Chromium (total)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium (VI)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	**440**	**520**	**310**	**320**	**400**	**160**	**130**	**93**	**730**	**690**	**1,200**	**800**	**920**	**390**	**670**	**460**	**620**	**440**	**760**	**640**
	Mercury	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2,500	3,000	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)	TPH	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxidation Reduction Potential (mV)	ORP	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	pH	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Standards to be compared:			S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mV - milliVolt.
s.u. - Standard unit.
J - Estimated value; below quantitation limit.
NA - Sample not analyzed for the listed analyte.
NS - No standard available for this compound.
R - Rejected during data review due to poor internal standard response.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed the applicable Method 1 S-1 or S-2 standards.
(1) - MassDEP Method 1 standards for C9-C10 aromatics used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.
EPH - Extractable Petroleum Hydrocarbons.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
VOCs - Volatile Organic Compounds.
VPH - Volatile Petroleum Hydrocarbons.

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	PX-3A-20	PX-3B-1	PX-3B-2	PX-3B-3	PX-3B-4	G1-BASE	G1-NSW	G1-SSW	G1-WSW	D8 ESW	E8 ESW	F8 ESW	
			Depth (feet):	0-3	0-3	0-3	0-3	0-3	8	5	2	5	0-3	0-3	0-3	0-3
			Date sampled:	5/14/2010	5/7/2010	5/7/2010	5/7/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	2/2/2012	2/2/2012	2/2/2012	2/2/2012
		S-1/GW-3	S-2/GW-3													Field Dup
VOCs																
(mg/kg)	Methylene chloride	200	900	NA	NA	NA	NA	NA	0.0074 U	0.018 U	0.012 U	0.011 U	NA	NA	NA	NA
	1,1-Dichloroethane	500	1,000	NA	NA	NA	NA	NA	0.0011 U	0.0026 U	0.0018 U	0.0016 U	NA	NA	NA	NA
	Chloroform	400	800	NA	NA	NA	NA	NA	0.0011 U	0.0026 U	0.0018 U	0.0016 U	NA	NA	NA	NA
	Carbon tetrachloride	10	60	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	1,2-Dichloropropane	10	100	NA	NA	NA	NA	NA	0.0026 U	0.0062 U	0.0042 U	0.0038 U	NA	NA	NA	NA
	Dibromochloromethane	20	100	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	1,1,2-Trichloroethane	4	60	NA	NA	NA	NA	NA	0.0011 U	0.0026 U	0.0018 U	0.0016 U	NA	NA	NA	NA
	Tetrachloroethene	30	200	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	Chlorobenzene	100	100	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	1,2-Dichloroethane	10	90	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	1,1,1-Trichloroethane	500	1,000	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	Bromodichloromethane	20	100	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	trans-1,3-Dichloropropene	9[2]	70[2]	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	cis-1,3-Dichloropropene	9[2]	70[2]	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	Bromoform	200	800	NA	NA	NA	NA	NA	0.0029 U	0.0070 U	0.0048 U	0.0044 U	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.8	10	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	0.0011 U	0.0026 U	0.0018 U	0.0016 U	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	Chloromethane	NS	NS	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	Bromomethane	30	30	NA	NA	NA	NA	NA	0.0015 U	0.0035 U	0.0024 U	0.0022 U	NA	NA	NA	NA
	Vinyl chloride	0.6	4	NA	NA	NA	NA	NA	0.0015 U	0.0035 U	0.0024 U	0.0022 U	NA	NA	NA	NA
	Chloroethane	NS	NS	NA	NA	NA	NA	NA	0.0015 U	0.0035 U	0.0024 U	0.0022 U	NA	NA	NA	NA
	1,1-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	trans-1,2-Dichloroethene	500	1,000	NA	NA	NA	NA	NA	0.0011 U	0.0026 U	0.0018 U	0.0016 U	NA	NA	NA	NA
	Trichloroethene	90	700	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	Methyl tert butyl ether	100	500	NA	NA	NA	NA	NA	0.0015 U	0.0035 U	0.0024 U	0.0022 U	NA	NA	NA	NA
	p/m-Xylene	500	1,000	NA	NA	NA	NA	NA	0.0015 U	0.0035 U	0.0024 U	0.0022 U	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	0.0015 U	0.0035 U	0.0024 U	0.0022 U	NA	NA	NA	NA
	cis-1,2-Dichloroethene	100	500	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	Dibromomethane	NS	NS	NA	NA	NA	NA	NA	0.0074 U	0.018 U	0.012 U	0.011 U	NA	NA	NA	NA
	1,2,3-Trichloropropane	NS	NS	NA	NA	NA	NA	NA	0.0074 U	0.018 U	0.012 U	0.011 U	NA	NA	NA	NA
	Styrene	30	200	NA	NA	NA	NA	NA	0.0015 U	0.0035 U	0.0024 U	0.0022 U	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NA	NA	NA	NA	NA	0.0074 U	0.018 U	0.012 U	0.011 U	NA	NA	NA	NA
	Acetone	400	400	NA	NA	NA	NA	NA	0.026 U	0.063 U	0.044 U	0.039 U	NA	NA	NA	NA
	Carbon disulfide	NS	NS	NA	NA	NA	NA	NA	0.037 U	0.088 U	0.060 U	0.055 U	NA	NA	NA	NA
	2-Butanone	400	400	NA	NA	NA	NA	NA	0.0074 U	0.018 U	0.012 U	0.011 U	NA	NA	NA	NA
	4-Methyl-2-pentanone	400	400	NA	NA	NA	NA	NA	0.0074 U	0.018 U	0.012 U	0.011 U	NA	NA	NA	NA
	2-Hexanone	NS	NS	NA	NA	NA	NA	NA	0.0074 U	0.018 U	0.012 U	0.011 U	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NA	NA	NA	NA	NA	0.015 U	0.035 U	0.024 U	0.022 U	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	1,2-Dibromoethane	0.7	4	NA	NA	NA	NA	NA	0.0029 U	0.0070 U	0.0048 U	0.0044 U	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	7	100	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	Bromobenzene	NS	NS	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	n-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	sec-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	tert-Butylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	o-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	p-Chlorotoluene	NS	NS	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	1,2-Dibromo-3-chloropropane	NS	NS	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	Isopropylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	p-Isopropyltoluene	100[1]	500[1]	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	Naphthalene	500	1000	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	n-Propylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	0.00074 U	0.0018 U	0.0012 U	0.0011 U	NA	NA	NA	NA
	1,2,3-Trichlorobenzene	NS	NS	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA

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246 River Road
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Analysis	Analyte		Sample ID:	PX-3A-20	PX-3B-1	PX-3B-2	PX-3B-3	PX-3B-4	G1-BASE	G1-NSW	G1-SSW	G1-WSW	D8 ESW	E8 ESW	F8 ESW	
			Depth (feet):	0-3	0-3	0-3	0-3	0-3	8	5	2	5	0-3	0-3	0-3	0-3
			Date sampled:	5/14/2010	5/7/2010	5/7/2010	5/7/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	2/2/2012	2/2/2012	2/2/2012	2/2/2012
		S-1/GW-3	S-2/GW-3													Field Dup
	1,2,4-Trichlorobenzene	500	900	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	1,3,5-Trimethylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	1,2,4-Trimethylbenzene	100[1]	500[1]	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	Ethyl ether	NS	NS	NA	NA	NA	NA	NA	0.0037 U	0.0088 U	0.0060 U	0.0055 U	NA	NA	NA	NA
	Isopropyl Ether	NS	NS	NA	NA	NA	NA	NA	0.0029 U	0.0070 U	0.0048 U	0.0044 U	NA	NA	NA	NA
	Ethyl-Tert-Butyl-Ether	NS	NS	NA	NA	NA	NA	NA	0.0029 U	0.0070 U	0.0048 U	0.0044 U	NA	NA	NA	NA
	Tertiary-Amyl Methyl Ether	NS	NS	NA	NA	NA	NA	NA	0.0029 U	0.0070 U	0.0048 U	0.0044 U	NA	NA	NA	NA
	1,4-Dioxane	70	500	NA	NA	NA	NA	NA	0.37 U	0.88 U	0.60 U	0.55 U	NA	NA	NA	NA
VPH																
(mg/kg)	C5 - C8 Aliphatics	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C12 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9 - C10 Aromatics	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methyl tert-butyl ether	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m/p-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPH																
(mg/kg)	C9 - C18 Aliphatics	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C19 - C36 Aliphatics	3,000	5,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C11 - C22 Aromatics	1000	3000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs																
(mg/kg)	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(ghi)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																
(mg/kg)	Acenaphthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	500	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	bis(2-Chloroethyl)Ether	0.7	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	100	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	50	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3-Dichlorobenzidine	1	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,6-Dinitrotoluene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl-phenylether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-oxybis(1-Chloropropane)	3	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	bis(2-Chloroethoxy)methane	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	9	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isophorone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nitrobenzene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Analysis	Analyte		Sample ID:	PX-3A-20	PX-3B-1	PX-3B-2	PX-3B-3	PX-3B-4	G1-BASE	G1-NSW	G1-SSW	G1-WSW	D8 ESW	E8 ESW	F8 ESW	
			Depth (feet):	0-3	0-3	0-3	0-3	0-3	8	5	2	5	0-3	0-3	0-3	0-3
			Date sampled:	5/14/2010	5/7/2010	5/7/2010	5/7/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	2/2/2012	2/2/2012	2/2/2012	2/2/2012
		S-1/GW-3	S-2/GW-3													Field Dup
	bis(2-Ethylhexyl)phthalate	200	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butylbenzylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-butylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octylphthalate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethylphthalate	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dimethylphthalate	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	300	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetophenone	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,6-Trichlorophenol	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	40	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	500	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenol	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Methylphenol/4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	600	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyridine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodi-n-propylamine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloro-3-methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorophenyl phenyl ether	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitroaniline	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,6-Dinitro-2-methylphenol	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N-Nitrosodiphenylamine	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbazole	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																
(mg/kg)	Aroclor-1016	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1221	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1232	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1242	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1248	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1254	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor-1260	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1262	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals																
(mg/kg)	Antimony	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 1 Summary of Analytical Results for Soil Samples - 2002, 2006 through 2010, and 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	PX-3A-20	PX-3B-1	PX-3B-2	PX-3B-3	PX-3B-4	G1-BASE	G1-NSW	G1-SSW	G1-WSW	D8 ESW	E8 ESW	F8 ESW	
			Depth (feet):	0-3	0-3	0-3	0-3	0-3	8	5	2	5	0-3	0-3	0-3	0-3
			Date sampled:	5/14/2010	5/7/2010	5/7/2010	5/7/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	5/10/2010	2/2/2012	2/2/2012	2/2/2012	2/2/2012
		S-1/GW-3	S-2/GW-3													Field Dup
	Chromium (total)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium (VI)	30	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	**670**	**410**	**1100**	**990**	**1,000**	NA	NA	NA	NA	**942**	**1,710**	**1,530**	**370**
	Mercury	20	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	700	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	800	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	60	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2,500	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)	TPH	1,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oxidation Reduction Potential (mV)	ORP	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	pH	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Standards to be compared:	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mV - milliVolt.
s.u. - Standard unit.
J - Estimated value; below quantitation limit.
NA - Sample not analyzed for the listed analyte.
NS - No standard available for this compound.
R - Rejected during data review due to poor internal standard response.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed the applicable Method 1 S-1 or S-2 standards.
(1) - MassDEP Method 1 standards for C9-C10 aromatics used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.
EPH - Extractable Petroleum Hydrocarbons.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
VOCs - Volatile Organic Compounds.
VPH - Volatile Petroleum Hydrocarbons.

Table 2
Summary of Analytical Results for Stockpile Soil Samples
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Reuse Level*		Soil Recycling Facility Summary Levels**			Characterization 1	Characterization 2	Characterization 3	Characterization 4	Characterization 5	Characterization 6	TCLP 1a	TCLP 2a	TCLP 3a	TCLP 4a	TCLP 5a
	Sample ID:						Characterization 1	Characterization 2	Characterization 3	Characterization 4	Characterization 5	Characterization 6	TCLP 1a	TCLP 2a	TCLP 3a	TCLP 4a	TCLP 5a
	Date sampled:						5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/26/2010	5/26/2010	5/26/2010	5/26/2010	5/26/2010
		Lined Landfills	Unlined Landfill	Hot Mix Asphalt Plants	Thermal Processing Plant	Cold Mix Emulsion Plant											
VOCs (mg/kg)	Acetone	N/A	N/A	N/A	N/A	N/A	1.7 U	1.7 U	2.0 U	1.6 U	1.9 U	1.8 U	NA	NA	NA	NA	NA
	Tertiary-Amyl Methyl Ether	N/A	N/A	N/A	N/A	N/A	0.017 U	0.017 U	0.020 U	0.016 U	0.019 U	0.018 U	NA	NA	NA	NA	NA
	Benzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Bromobenzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Bromochloromethane	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Bromodichloromethane	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Bromoform	N/A	N/A	N/A	N/A	N/A	0.69 U	0.70 U	0.80 U	0.65 U	0.76 U	0.074 U	NA	NA	NA	NA	NA
	Bromomethane	N/A	N/A	N/A	N/A	N/A	0.35 U	0.35 U	0.40 U	0.32 U	0.38 U	0.074 U	NA	NA	NA	NA	NA
	2-Butanone	N/A	N/A	N/A	N/A	N/A	0.69 U	0.70 U	0.80 U	0.65 U	0.76 U	0.74 U	NA	NA	NA	NA	NA
	n-Butylbenzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	sec-Butylbenzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	tert-Butylbenzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Ethyl-Tert-Butyl-Ether	N/A	N/A	N/A	N/A	N/A	0.017 U	0.017 U	0.020 U	0.016 U	0.019 U	0.018 U	NA	NA	NA	NA	NA
	Carbon disulfide	N/A	N/A	N/A	N/A	N/A	0.35 U	0.35 U	0.40 U	0.32 U	0.38 U	0.37 U	NA	NA	NA	NA	NA
	Carbon tetrachloride	N/A	N/A	N/A	N/A	N/A	0.14 U	0.14 U	0.16 U	0.13 U	0.15 U	0.037 U	NA	NA	NA	NA	NA
	Chlorobenzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Dibromochloromethane	N/A	N/A	N/A	N/A	N/A	0.069 U	0.070 U	0.080 U	0.065 U	0.076 U	0.018 U	NA	NA	NA	NA	NA
	Chloroethane	N/A	N/A	N/A	N/A	N/A	0.069 U	0.070 U	0.080 U	0.065 U	0.076 U	0.074 U	NA	NA	NA	NA	NA
	Chloroform	N/A	N/A	N/A	N/A	N/A	0.069 U	0.070 U	0.080 U	0.065 U	0.076 U	0.074 U	NA	NA	NA	NA	NA
	Chloromethane	N/A	N/A	N/A	N/A	N/A	0.069 U	0.070 U	0.080 U	0.065 U	0.076 U	0.15 U	NA	NA	NA	NA	NA
	o-Chlorotoluene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	p-Chlorotoluene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	1,2-Dibromo-3-chloropropane	N/A	N/A	N/A	N/A	N/A	0.35 U	0.35 U	0.40 U	0.32 U	0.38 U	0.074 U	NA	NA	NA	NA	NA
	1,2-Dibromoethane	N/A	N/A	N/A	N/A	N/A	0.017 U	0.017 U	0.020 U	0.016 U	0.019 U	0.018 U	NA	NA	NA	NA	NA
	Dibromomethane	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	N/A	N/A	N/A	N/A	N/A	0.069 U	0.070 U	0.080 U	0.065 U	0.076 U	0.074 U	NA	NA	NA	NA	NA
	1,1-Dichloroethane	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	1,2-Dichloroethane	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	1,1-Dichloroethene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	1,2-Dichloropropane	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	1,3-Dichloropropane	N/A	N/A	N/A	N/A	N/A	0.017 U	0.017 U	0.020 U	0.016 U	0.019 U	0.018 U	NA	NA	NA	NA	NA
	2,2-Dichloropropane	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	1,1-Dichloropropene	N/A	N/A	N/A	N/A	N/A	0.069 U	0.070 U	0.080 U	0.065 U	0.076 U	0.074 U	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	N/A	N/A	N/A	N/A	N/A	0.017 U	0.017 U	0.020 U	0.016 U	0.019 U	0.018 U	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	N/A	N/A	N/A	N/A	N/A	0.017 U	0.017 U	0.020 U	0.016 U	0.019 U	0.018 U	NA	NA	NA	NA	NA
	Ethyl ether	N/A	N/A	N/A	N/A	N/A	0.069 U	0.070 U	0.080 U	0.065 U	0.076 U	0.074 U	NA	NA	NA	NA	NA
	Isopropyl Ether	N/A	N/A	N/A	N/A	N/A	0.017 U	0.017 U	0.020 U	0.016 U	0.019 U	0.018 U	NA	NA	NA	NA	NA
	1,4-Dioxane	N/A	N/A	N/A	N/A	N/A	1.7 U	1.7 U	2.0 U	1.6 U	1.9 U	1.8 U	NA	NA	NA	NA	NA

Table 2
Summary of Analytical Results for Stockpile Soil Samples
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Reuse Level*		Soil Recycling Facility Summary Levels**			Characterization 1	Characterization 2	Characterization 3	Characterization 4	Characterization 5	Characterization 6	TCLP 1a	TCLP 2a	TCLP 3a	TCLP 4a	TCLP 5a
	Sample ID:						Characterization 1	Characterization 2	Characterization 3	Characterization 4	Characterization 5	Characterization 6	TCLP 1a	TCLP 2a	TCLP 3a	TCLP 4a	TCLP 5a
	Date sampled:						5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/26/2010	5/26/2010	5/26/2010	5/26/2010	5/26/2010
		Lined Landfills	Unlined Landfill	Hot Mix Asphalt Plants	Thermal Processing Plant	Cold Mix Emulsion Plant											
	Ethylbenzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Hexachlorobutadiene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	2-Hexanone	N/A	N/A	N/A	N/A	N/A	0.35 U	0.35 U	0.40 U	0.32 U	0.38 U	0.37 U	NA	NA	NA	NA	NA
	Isopropylbenzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	p-Isopropyltoluene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Methyl tert butyl ether	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Methylene chloride	N/A	N/A	N/A	N/A	N/A	0.17 U	0.17 U	0.20 U	0.16 U	0.19 U	0.18 U	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	N/A	N/A	N/A	N/A	N/A	0.35 U	0.35 U	0.40 U	0.32 U	0.38 U	0.37 U	NA	NA	NA	NA	NA
	Naphthalene	N/A	N/A	N/A	N/A	N/A	0.069 U	0.070 U	0.080 U	0.065 U	0.076 U	0.15 U	NA	NA	NA	NA	NA
	n-Propylbenzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Styrene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	N/A	N/A	N/A	N/A	N/A	0.069 U	0.070 U	0.080 U	0.065 U	0.076 U	0.074 U	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	N/A	N/A	N/A	N/A	N/A	0.017 U	0.017 U	0.020 U	0.016 U	0.019 U	0.018 U	NA	NA	NA	NA	NA
	Tetrachloroethene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Tetrahydrofuran	N/A	N/A	N/A	N/A	N/A	0.35 U	0.35 U	0.40 U	0.32 U	0.38 U	0.37 U	NA	NA	NA	NA	NA
	Toluene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	**0.062**	NA	NA	NA	NA	NA
	1,2,3-Trichlorobenzene	N/A	N/A	N/A	N/A	N/A	0.17 U	0.17 U	0.20 U	0.16 U	0.19 U	0.18 U	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	1,1,1-Trichloroethane	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Trichloroethene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Trichlorofluoromethane	N/A	N/A	N/A	N/A	N/A	0.069 U	0.070 U	0.080 U	0.065 U	0.076 U	0.074 U	NA	NA	NA	NA	NA
	1,2,3-Trichloropropane	N/A	N/A	N/A	N/A	N/A	0.069 U	0.070 U	0.080 U	0.065 U	0.076 U	0.074 U	NA	NA	NA	NA	NA
	1,2,4-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	1,3,5-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Vinyl chloride	N/A	N/A	N/A	N/A	N/A	0.069 U	0.070 U	0.080 U	0.065 U	0.076 U	0.074 U	NA	NA	NA	NA	NA
	p/m-Xylene	N/A	N/A	N/A	N/A	N/A	0.069 U	0.070 U	0.080 U	0.065 U	0.076 U	0.074 U	NA	NA	NA	NA	NA
	o-Xylene	N/A	N/A	N/A	N/A	N/A	0.035 U	0.035 U	0.040 U	0.032 U	0.038 U	0.037 U	NA	NA	NA	NA	NA
	Total VOCs	10	4	30 to 1,800			*ND*	*ND*	*ND*	*ND*	*ND*	***0.062***	*NA*	*NA*	*NA*	*NA*	*NA*
SVOCs (mg/kg)	Acenaphthene	N/A	N/A	N/A	N/A	N/A	0.56	0.38 U	0.38 U	0.39 U	0.40 U	0.18 U	NA	NA	NA	NA	NA
	Acenaphthylene	N/A	N/A	N/A	N/A	N/A	0.38 U	0.38 U	0.38 U	0.39 U	0.40 U	0.18 U	NA	NA	NA	NA	NA
	Acetophenone	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	Aniline	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	Anthracene	N/A	N/A	N/A	N/A	N/A	**1.3**	**0.46**	0.38 U	0.39 U	**1.2**	0.18 U	NA	NA	NA	NA	NA
	Benzo(a)anthracene	N/A	N/A	N/A	N/A	N/A	**3.2**	**1.2**	**1.1**	**0.93**	**2.5**	**0.62**	NA	NA	NA	NA	NA
	Benzo(a)pyrene	N/A	N/A	N/A	N/A	N/A	**2.6**	**1.1**	**0.96**	**0.84**	**2.2**	**0.53**	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	N/A	N/A	N/A	N/A	N/A	**2.7**	**1.2**	**1.0**	**0.90**	**2.3**	**0.61**	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	N/A	N/A	N/A	N/A	N/A	**1.5**	**0.75**	**0.60**	**0.56**	**1.0**	**0.34**	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	N/A	N/A	N/A	N/A	N/A	**1.1**	**0.52**	**0.44**	0.39 U	**1.1**	**0.25**	NA	NA	NA	NA	NA
	bis(2-Chloroethoxy)methane	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	bis(2-Chloroethyl)Ether	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	2,2-oxybis(1-Chloropropane)	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA

Table 2
Summary of Analytical Results for Stockpile Soil Samples
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Reuse Level*		Soil Recycling Facility Summary Levels**			Characterization 1	Characterization 2	Characterization 3	Characterization 4	Characterization 5	Characterization 6	TCLP 1a	TCLP 2a	TCLP 3a	TCLP 4a	TCLP 5a
	Sample ID:						Characterization 1	Characterization 2	Characterization 3	Characterization 4	Characterization 5	Characterization 6	TCLP 1a	TCLP 2a	TCLP 3a	TCLP 4a	TCLP 5a
	Date sampled:						5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/26/2010	5/26/2010	5/26/2010	5/26/2010	5/26/2010
		Lined Landfills	Unlined Landfill	Hot Mix Asphalt Plants	Thermal Processing Plant	Cold Mix Emulsion Plant											
	bis(2-Ethylhexyl)phthalate	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	4-Bromophenyl-phenylether	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	Butylbenzylphthalate	N/A	N/A	N/A	N/A	N/A	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.71 U	NA	NA	NA	NA	NA
	4-Chloroaniline	N/A	N/A	N/A	N/A	N/A	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.71 U	NA	NA	NA	NA	NA
	2-Chloronaphthalene	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	2-Chlorophenol	N/A	N/A	N/A	N/A	N/A	R	R	R	R	R	R	NA	NA	NA	NA	NA
	Chrysene	N/A	N/A	N/A	N/A	N/A	**3.3**	**1.3**	**1.2**	**1.1**	**2.4**	**0.70**	NA	NA	NA	NA	NA
	Dibenzo(a,h)anthracene	N/A	N/A	N/A	N/A	N/A	**0.43**	0.38 U	0.38 U	0.39 U	0.40 U	0.18 U	NA	NA	NA	NA	NA
	Dibenzofuran	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	N/A	N/A		N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	3,3-Dichlorobenzidine	N/A	N/A	N/A	N/A	N/A	0.38 U	0.38 U	0.38 U	0.39 U	0.40 U	0.18 U	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	N/A	N/A	N/A	N/A	N/A	R	R	R	R	R	R	NA	NA	NA	NA	NA
	Diethylphthalate	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	N/A	N/A	N/A	N/A	N/A	R	R	R	R	R	R	NA	NA	NA	NA	NA
	Dimethylphthalate	N/A	N/A	N/A	N/A	N/A	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.71 U	NA	NA	NA	NA	NA
	Di-n-butylphthalate	N/A	N/A	N/A	N/A	N/A	**0.79**	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	N/A	N/A	N/A	N/A	N/A	R	R	R	R	R	R	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	2,6-Dinitrotoluene	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	Di-n-octylphthalate	N/A	N/A	N/A	N/A	N/A	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	0.71 U	NA	NA	NA	NA	NA
	Azobenzene	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	Fluoranthene	N/A	N/A	N/A	N/A	N/A	**5.0**	**2.1**	**1.8**	**1.4**	**3.7**	**1.1**	NA	NA	NA	NA	NA
	Fluorene	N/A	N/A	N/A	N/A	N/A	**0.51**	0.38 U	0.38 U	0.39 U	**0.43**	0.18 U	NA	NA	NA	NA	NA
	Hexachlorobenzene	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	Hexachlorobutadiene	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	Hexachloroethane	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	N/A	N/A	N/A	N/A	N/A	**1.8**	**0.88**	**0.71**	**0.63**	**1.3**	**0.39**	NA	NA	NA	NA	NA
	Isophorone	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	2-Methylnaphthalene	N/A	N/A	N/A	N/A	N/A	0.38 U	0.38 U	0.38 U	0.39 U	0.40 U	0.18 U	NA	NA	NA	NA	NA
	2-Methylphenol	N/A	N/A	N/A	N/A	N/A	R	R	R	R	R	R	NA	NA	NA	NA	NA
	3-Methylphenol/4-Methylphenol	N/A	N/A	N/A	N/A	N/A	R	R	R	R	R	R	NA	NA	NA	NA	NA
	Naphthalene	N/A	N/A	N/A	N/A	N/A	0.38 U	0.38 U	0.38 U	0.39 U	0.40 U	0.18 U	NA	NA	NA	NA	NA
	Nitrobenzene	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	2-Nitrophenol	N/A	N/A	N/A	N/A	N/A	R	R	R	R	R	R	NA	NA	NA	NA	NA
	4-Nitrophenol	N/A	N/A	N/A	N/A	N/A	R	R	R	R	R	R	NA	NA	NA	NA	NA
	Pentachlorophenol	N/A	N/A	N/A	N/A	N/A	R	R	R	R	R	R	NA	NA	NA	NA	NA
	Phenanthrene	N/A	N/A	N/A	N/A	N/A	**6.7**	**2.0**	**1.9**	**1.2**	**4.5**	**0.89**	NA	NA	NA	NA	NA
	Phenol	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	Pyrene	N/A	N/A	N/A	N/A	N/A	**5.8**	**2.4**	**2.3**	**1.8**	**3.6**	**1.1**	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	N/A	N/A	N/A	N/A	N/A	0.76 U	0.75 U	0.77 U	0.77 U	0.79 U	0.37 U	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	N/A	N/A	N/A	N/A	N/A	R	R	R	R	R	R	NA	NA	NA	NA	NA
	2,4,6-Trichlorophenol	N/A	N/A	N/A	N/A	N/A	R	R	R	R	R	R	NA	NA	NA	NA	NA
	Total SVOCs	***100***	***100***	***N/A***	***N/A***	***N/A***	***37.29***	***13.91***	***12.01***	***9.36***	***26.23***	***6.53***	*NA*	*NA*	*NA*	*NA*	*NA*

Table 2
Summary of Analytical Results for Stockpile Soil Samples
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Reuse Level*		Soil Recycling Facility Summary Levels**			Characterization 1	Characterization 2	Characterization 3	Characterization 4	Characterization 5	Characterization 6	TCLP 1a	TCLP 2a	TCLP 3a	TCLP 4a	TCLP 5a
	Sample ID:						Characterization 1	Characterization 2	Characterization 3	Characterization 4	Characterization 5	Characterization 6	TCLP 1a	TCLP 2a	TCLP 3a	TCLP 4a	TCLP 5a
	Date sampled:						5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/18/2010	5/26/2010	5/26/2010	5/26/2010	5/26/2010	5/26/2010
		Lined Landfills	Unlined Landfill	Hot Mix Asphalt Plants	Thermal Processing Plant	Cold Mix Emulsion Plant											
PCBs																	
(mg/kg)	Aroclor-1016	N/A	N/A	N/A	N/A	N/A	0.022 U	0.022 U	0.022 U	0.022 U	0.023 U	0.11 U	NA	NA	NA	NA	NA
	Aroclor-1221	N/A	N/A	N/A	N/A	N/A	0.022 U	0.022 U	0.022 U	0.022 U	0.023 U	0.11 U	NA	NA	NA	NA	NA
	Aroclor-1232	N/A	N/A	N/A	N/A	N/A	0.022 U	0.022 U	0.022 U	0.022 U	0.023 U	0.11 U	NA	NA	NA	NA	NA
	Aroclor-1242	N/A	N/A	N/A	N/A	N/A	0.022 U	0.022 U	0.022 U	0.022 U	0.023 U	0.11 U	NA	NA	NA	NA	NA
	Aroclor-1248	N/A	N/A	N/A	N/A	N/A	0.022 U	0.022 U	0.022 U	0.022 U	0.023 U	0.11 U	NA	NA	NA	NA	NA
	Aroclor-1254	N/A	N/A	N/A	N/A	N/A	0.022 U	0.022 U	0.022 U	0.022 U	0.023 U	0.11 U	NA	NA	NA	NA	NA
	Aroclor-1260	N/A	N/A	N/A	N/A	N/A	0.022 U	0.022 U	0.022 U	0.022 U	0.023 U	0.11 U	NA	NA	NA	NA	NA
	Aroclor 1262	N/A	N/A	N/A	N/A	N/A	0.022 U	0.022 U	0.022 U	0.022 U	0.023 U	0.11 U	NA	NA	NA	NA	NA
	Aroclor 1268	N/A	N/A	N/A	N/A	N/A	0.022 U	0.022 U	0.022 U	0.022 U	0.023 U	0.11 U	NA	NA	NA	NA	NA
	Total PCBs	< 2	< 2	< 2	< 2	< 2	0.022 U	0.022 U	0.022 U	0.022 U	0.023 U	*0.11 U*	*NA*	*NA*	*NA*	*NA*	*NA*
Total Petroleum Hydrocarbons																	
(mg/kg)	TPH	5,000	2,500	5,000 to 60,000			**210**	**150**	**250**	**150**	**140**	**190**	NA	NA	NA	NA	NA
Metals																	
(mg/kg)	Arsenic	40	40	30	30	30	**16**	**13**	**15**	**2.8 U**	**15**	**18**	NA	NA	NA	NA	NA
	Barium	N/A	N/A	N/A	N/A	N/A	**410**	**370**	**340**	**350**	**400**	**300**	NA	NA	NA	NA	NA
	Cadmium	80	30	30	11	30	**1.7**	**1.5**	**1.5**	**1.2**	**1.6**	**1.6**	NA	NA	NA	NA	NA
	Chromium	1,000	1,000	500	500	500	**29**	**26**	**25**	**24**	**26**	**27**	NA	NA	NA	NA	NA
	Lead	2,000	1,000	1,000	1,000	1,000	**690**	**530**	**700**	**550**	**650**	**670**	NA	NA	NA	NA	NA
	Mercury	10	10	10	3	10	**0.27**	**0.12**	**0.17**	**0.025**	**0.18**	0.015 U	NA	NA	NA	NA	NA
	Selenium	N/A	N/A	N/A	N/A	N/A	28 U	28 U	28 U	55 U	29 U	5.3 U	NA	NA	NA	NA	NA
	Silver	N/A	N/A	N/A	N/A	N/A	0.55 U	0.57 U	0.55 U	0.55 U	0.59 U	0.53 U	NA	NA	NA	NA	NA
Metals, TCLP																	
(mg/L)	Lead	N/A	N/A	N/A	N/A	N/A	**0.92**	**0.52**	**0.16**	**0.54**	**0.67**	**0.88**	**0.88**	**0.54**	**0.52**	**0.71**	**0.55**
Specific Conductance																	
(umhos/cm)	Specific Conductance	8,000	4,000	N/A	N/A	N/A	**470**	**520**	**520**	**720**	**560**	**1,000**	NA	NA	NA	NA	NA

Notes:

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

mg/L - milligrams per liter.

umhos/cm - Micro-mhos per centimeter.

NA - Sample not analyzed for the listed analyte.

N/A - Not available/applicable.

ND - Not detected.

R - Rejected data point due to LCS recoveries <10%.

U - Compound was not detected at specified quantitation limit.

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

VOCs - Volatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

TCLP - Toxicity Characteristic Leaching Procedure.

* - Reuse and Disposal of Contaminated Soil at Massachusetts Landfills, Department of Environmental Protection Policy # COMM-97-001, August 1997.

** - Massachusetts Soil Recycling Facility Summary Levels,

Table 2
Summary of Analytical Results for Stockpile Soil Samples
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Reuse Level*		Soil Recycling Facility Summary Levels**			TCLP 6a	GRUB-E	GRUB-W	MSP	NSP	NSP 2	NSP-3	NSP-3(B)
	Sample ID:													
	Date sampled:						5/26/2010	5/6/2010	5/6/2010	6/2/2010	6/2/2010	6/10/2010	6/17/2010	6/17/2010
		Lined Landfills	Unlined Landfill	Hot Mix Asphalt Plants	Thermal Processing Plant	Cold Mix Emulsion Plant								
VOCs (mg/kg)	Acetone	N/A	N/A	N/A	N/A	N/A	NA	0.025 U	0.028 U	NA	0.031 U	0.029 U	0.030 U	NA
	Tertiary-Amyl Methyl Ether	N/A	N/A	N/A	N/A	N/A	NA	0.0028 U	0.0032 U	NA	0.0034 U	0.0032 U	0.0034 U	NA
	Benzene	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	Bromobenzene	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0042 U	NA
	Bromochloromethane	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	Bromodichloromethane	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	Bromoform	N/A	N/A	N/A	N/A	N/A	NA	0.0028 U	0.0032 U	NA	0.0034 U	0.0032 U	0.0034 U	NA
	Bromomethane	N/A	N/A	N/A	N/A	N/A	NA	0.0014 U	0.0016 U	NA	0.0017 U	0.0016 U	0.0017 U	NA
	2-Butanone	N/A	N/A	N/A	N/A	N/A	NA	0.0069 U	0.0079 U	NA	0.0085 U	0.0081 U	0.0085 U	NA
	n-Butylbenzene	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	sec-Butylbenzene	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	tert-Butylbenzene	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	Ethyl-Tert-Butyl-Ether	N/A	N/A	N/A	N/A	N/A	NA	0.0028 U	0.0032 U	NA	0.0034 U	0.0032 U	0.0034 U	NA
	Carbon disulfide	N/A	N/A	N/A	N/A	N/A	NA	0.035 U	0.039 U	NA	0.043 U	0.040 U	0.0034 U	NA
	Carbon tetrachloride	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	Chlorobenzene	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	Dibromochloromethane	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	Chloroethane	N/A	N/A	N/A	N/A	N/A	NA	0.0014 U	0.0016 U	NA	0.0017 U	0.0016 U	0.0017 U	NA
	Chloroform	N/A	N/A	N/A	N/A	N/A	NA	0.0010 U	0.0012 U	NA	0.0013 U	0.0012 U	0.0013 U	NA
	Chloromethane	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	o-Chlorotoluene	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	p-Chlorotoluene	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	1,2-Dibromo-3-chloropropane	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	1,2-Dibromoethane	N/A	N/A	N/A	N/A	N/A	NA	0.0028 U	0.0032 U	NA	0.0034 U	0.0032 U	0.0034 U	NA
	Dibromomethane	N/A	N/A	N/A	N/A	N/A	NA	0.0069 U	0.0079 U	NA	0.0085 U	0.0081 U	0.0034 U	NA
	1,2-Dichlorobenzene	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	1,3-Dichlorobenzene	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	1,4-Dichlorobenzene	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	Dichlorodifluoromethane	N/A	N/A	N/A	N/A	N/A	NA	0.0069 U	0.0079 U	NA	0.0085 U	0.0081 U	0.0085 U	NA
	1,1-Dichloroethane	N/A	N/A	N/A	N/A	N/A	NA	0.0010 U	0.0012 U	NA	0.0013 U	0.0012 U	0.0013 U	NA
	1,2-Dichloroethane	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	1,1-Dichloroethene	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	cis-1,2-Dichloroethene	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	trans-1,2-Dichloroethene	N/A	N/A	N/A	N/A	N/A	NA	0.0010 U	0.0012 U	NA	0.0013 U	0.0012 U	0.0013 U	NA
	1,2-Dichloropropane	N/A	N/A	N/A	N/A	N/A	NA	0.0024 U	0.0028 U	NA	0.0030 U	0.0028 U	0.0030 U	NA
	1,3-Dichloropropane	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	2,2-Dichloropropane	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0042 U	NA
	1,1-Dichloropropene	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	cis-1,3-Dichloropropene	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	trans-1,3-Dichloropropene	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	Ethyl ether	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0042 U	NA
	Isopropyl Ether	N/A	N/A	N/A	N/A	N/A	NA	0.0028 U	0.0032 U	NA	0.0034 U	0.0032 U	0.0034 U	NA
	1,4-Dioxane	N/A	N/A	N/A	N/A	N/A	NA	0.35 U	0.39 U	NA	0.43 U	0.40 U	0.42 U	NA

Table 2
Summary of Analytical Results for Stockpile Soil Samples
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Reuse Level*		Soil Recycling Facility Summary Levels**			TCLP 6a	GRUB-E	GRUB-W	MSP	NSP	NSP 2	NSP-3	NSP-3(B)
	Sample ID:													
	Date sampled:						5/26/2010	5/6/2010	5/6/2010	6/2/2010	6/2/2010	6/10/2010	6/17/2010	6/17/2010
		Lined Landfills	Unlined Landfill	Hot Mix Asphalt Plants	Thermal Processing Plant	Cold Mix Emulsion Plant								
	Ethylbenzene	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	Hexachlorobutadiene	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	2-Hexanone	N/A	N/A	N/A	N/A	N/A	NA	0.0069 U	0.0079 U	NA	0.0085 U	0.0081 U	0.0085 U	NA
	Isopropylbenzene	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	p-Isopropyltoluene	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	Methyl tert butyl ether	N/A	N/A	N/A	N/A	N/A	NA	0.0014 U	0.0016 U	NA	0.0017 U	0.0016 U	0.0017 U	NA
	Methylene chloride	N/A	N/A	N/A	N/A	N/A	NA	0.0069 U	0.0079 U	NA	0.0085 U	0.0081 U	0.0085 U	NA
	4-Methyl-2-pentanone	N/A	N/A	N/A	N/A	N/A	NA	0.0069 U	0.0079 U	NA	0.0085 U	0.0081 U	0.0085 U	NA
	Naphthalene	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	n-Propylbenzene	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	Styrene	N/A	N/A	N/A	N/A	N/A	NA	0.0014 U	0.0016 U	NA	0.0017 U	0.0016 U	0.0017 U	NA
	1,1,1,2-Tetrachloroethane	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	1,1,2,2-Tetrachloroethane	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	Tetrachloroethene	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	Tetrahydrofuran	N/A	N/A	N/A	N/A	N/A	NA	0.014 U	0.016 U	NA	0.017 U	0.016 U	0.0034 U	NA
	Toluene	N/A	N/A	N/A	N/A	N/A	NA	0.0010 U	0.0012 U	NA	0.0013 U	0.0012 U	0.0013 U	NA
	1,2,3-Trichlorobenzene	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	1,2,4-Trichlorobenzene	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	1,1,1-Trichloroethane	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	1,1,2-Trichloroethane	N/A	N/A	N/A	N/A	N/A	NA	0.0010 U	0.0012 U	NA	0.0013 U	0.0012 U	0.0013 U	NA
	Trichloroethene	N/A	N/A	N/A	N/A	N/A	NA	0.00069 U	0.00079 U	NA	0.00085 U	0.00081 U	0.00085 U	NA
	Trichlorofluoromethane	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	1,2,3-Trichloropropane	N/A	N/A	N/A	N/A	N/A	NA	0.0069 U	0.0079 U	NA	0.0085 U	0.0081 U	0.0034 U	NA
	1,2,4-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	1,3,5-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A	NA	0.0035 U	0.0039 U	NA	0.0043 U	0.0040 U	0.0034 U	NA
	Vinyl chloride	N/A	N/A	N/A	N/A	N/A	NA	0.0014 U	0.0016 U	NA	0.0017 U	0.0016 U	0.0017 U	NA
	p/m-Xylene	N/A	N/A	N/A	N/A	N/A	NA	0.0014 U	0.0016 U	NA	0.0017 U	0.0016 U	0.0017 U	NA
	o-Xylene	N/A	N/A	N/A	N/A	N/A	NA	0.0014 U	0.0016 U	NA	0.0017 U	0.0016 U	0.0017 U	NA
	Total VOCs	10	4	30 to 1,800			*NA*	*ND*	*ND*	*NA*	*ND*	*ND*	*ND*	*NA*
SVOCs (mg/kg)	Acenaphthene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	Acenaphthylene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	Acetophenone	N/A	N/A	N/A	N/A	N/A	NA	1.5 U	1.4 U	NA	1.4 U	1.5 U	0.74 U	NA
	Aniline	N/A	N/A	N/A	N/A	N/A	NA	0.75 U	0.70 U	NA	0.72 U	0.73 U	0.74 U	NA
	Anthracene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	**0.46**	NA
	Benzo(a)anthracene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	**0.44**	**0.68**	**1.0**	NA
	Benzo(a)pyrene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	**0.41**	**0.64**	**0.83**	NA
	Benzo(b)fluoranthene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	**0.35**	NA	**0.52**	**0.77**	**1.1**	NA
	Benzo(g,h,i)perylene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	**0.41**	**0.52**	NA
	Benzo(k)fluoranthene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	**0.39**	NA
	bis(2-Chloroethoxy)methane	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	bis(2-Chloroethyl)Ether	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	2,2-oxybis(1-Chloropropane)	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA

Table 2
Summary of Analytical Results for Stockpile Soil Samples
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Reuse Level*		Soil Recycling Facility Summary Levels**			TCLP 6a	GRUB-E	GRUB-W	MSP	NSP	NSP 2	NSP-3	NSP-3(B)
	Sample ID: / Date sampled:						5/26/2010	5/6/2010	5/6/2010	6/2/2010	6/2/2010	6/10/2010	6/17/2010	6/17/2010
		Lined Landfills	Unlined Landfill	Hot Mix Asphalt Plants	Thermal Processing Plant	Cold Mix Emulsion Plant								
	bis(2-Ethylhexyl)phthalate	N/A	N/A	N/A	N/A	N/A	NA	0.75 U	0.70 U	NA	0.72 U	0.73 U	0.74 U	NA
	4-Bromophenyl-phenylether	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	Butylbenzylphthalate	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	4-Chloroaniline	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	2-Chloronaphthalene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	2-Chlorophenol	N/A	N/A	N/A	N/A	N/A	NA	0.45 U	0.42 U	NA	0.43 U	0.44 U	0.44 U	NA
	Chrysene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	**0.52**	**0.69**	**1.0**	NA
	Dibenzo(a,h)anthracene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	Dibenzofuran	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	1,2-Dichlorobenzene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	1,3-Dichlorobenzene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	1,4-Dichlorobenzene	N/A	N/A		N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	3,3-Dichlorobenzidine	N/A	N/A	N/A	N/A	N/A	NA	0.75 U	0.70 U	NA	0.72 U	0.73 U	0.74 U	NA
	2,4-Dichlorophenol	N/A	N/A	N/A	N/A	N/A	NA	0.75 U	0.70 U	NA	0.72 U	0.73 U	0.74 U	NA
	Diethylphthalate	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	2,4-Dimethylphenol	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	Dimethylphthalate	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	Di-n-butylphthalate	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	2,4-Dinitrophenol	N/A	N/A	N/A	N/A	N/A	NA	1.5 U	1.4 U	NA	1.4 U	1.5 U	1.5 U	NA
	2,4-Dinitrotoluene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	2,6-Dinitrotoluene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	Di-n-octylphthalate	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	Azobenzene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	Fluoranthene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	**0.52**	NA	**0.97**	**1.6**	**1.8**	NA
	Fluorene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	Hexachlorobenzene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	Hexachlorobutadiene	N/A	N/A	N/A	N/A	N/A	NA	0.75 U	0.70 U	NA	0.72 U	0.73 U	0.74 U	NA
	Hexachloroethane	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	Indeno(1,2,3-cd)pyrene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	**0.56**	NA
	Isophorone	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	2-Methylnaphthalene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	2-Methylphenol	N/A	N/A	N/A	N/A	N/A	NA	0.45 U	0.42 U	NA	0.43 U	0.44 U	0.44 U	NA
	3-Methylphenol/4-Methylphenol	N/A	N/A	N/A	N/A	N/A	NA	0.45 U	0.42 U	NA	0.43 U	0.44 U	0.44 U	NA
	Naphthalene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	Nitrobenzene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	2-Nitrophenol	N/A	N/A	N/A	N/A	N/A	NA	1.5 U	1.4 U	NA	1.4 U	1.5 U	1.5 U	NA
	4-Nitrophenol	N/A	N/A	N/A	N/A	N/A	NA	0.75 U	0.70 U	NA	0.72 U	0.73 U	0.74 U	NA
	Pentachlorophenol	N/A	N/A	N/A	N/A	N/A	NA	1.5 U	1.4 U	NA	1.4 U	1.5 U	1.5 U	NA
	Phenanthrene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	**0.56**	**0.84**	**1.3**	NA
	Phenol	N/A	N/A	N/A	N/A	N/A	NA	0.52 U	0.49 U	NA	0.50 U	0.51 U	0.52 U	NA
	Pyrene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	**0.43**	NA	**0.89**	**1.4**	**1.9**	NA
	1,2,4-Trichlorobenzene	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	2,4,5-Trichlorophenol	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	2,4,6-Trichlorophenol	N/A	N/A	N/A	N/A	N/A	NA	0.37 U	0.35 U	NA	0.36 U	0.37 U	0.37 U	NA
	Total SVOCs	***100***	***100***	***N/A***	***N/A***	***N/A***	*NA*	*ND*	***1.3***	*NA*	***4.31***	***7.03***	***9.45***	*NA*

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246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Reuse Level*		Soil Recycling Facility Summary Levels**			TCLP 6a	GRUB-E	GRUB-W	MSP	NSP	NSP 2	NSP-3	NSP-3(B)
	Sample ID:													
	Date sampled:						5/26/2010	5/6/2010	5/6/2010	6/2/2010	6/2/2010	6/10/2010	6/17/2010	6/17/2010
		Lined Landfills	Unlined Landfill	Hot Mix Asphalt Plants	Thermal Processing Plant	Cold Mix Emulsion Plant								
PCBs														
(mg/kg)	Aroclor-1016	N/A	N/A	N/A	N/A	N/A	NA	0.0398 U	0.0373 U	NA	0.0379 U	0.0401 U	0.0375 U	NA
	Aroclor-1221	N/A	N/A	N/A	N/A	N/A	NA	0.0398 U	0.0373 U	NA	0.0379 U	0.0401 U	0.0375 U	NA
	Aroclor-1232	N/A	N/A	N/A	N/A	N/A	NA	0.0398 U	0.0373 U	NA	0.0379 U	0.0401 U	0.0375 U	NA
	Aroclor-1242	N/A	N/A	N/A	N/A	N/A	NA	0.0398 U	0.0373 U	NA	0.0379 U	0.0401 U	0.0375 U	NA
	Aroclor-1248	N/A	N/A	N/A	N/A	N/A	NA	0.0398 U	0.0373 U	NA	0.0379 U	0.0401 U	0.0375 U	NA
	Aroclor-1254	N/A	N/A	N/A	N/A	N/A	NA	**0.0429**	**0.194**	NA	**0.0503**	0.0401 U	0.0375 U	NA
	Aroclor-1260	N/A	N/A	N/A	N/A	N/A	NA	0.0398 U	0.0373 U	NA	0.0379 U	0.0401 U	0.0375 U	NA
	Aroclor 1262	N/A	N/A	N/A	N/A	N/A	NA	0.0398 U	0.0373 U	NA	0.0379 U	0.0401 U	0.0375 U	NA
	Aroclor 1268	N/A	N/A	N/A	N/A	N/A	NA	0.0398 U	0.0373 U	NA	0.0379 U	0.0401 U	0.0375 U	NA
	Total PCBs	< 2	< 2	< 2	< 2	< 2	*NA*	***0.0429***	***0.194***	*NA*	***0.0503***	0.0401 U	0.0375 U	*NA*
Total Petroleum Hydrocarbons														
(mg/kg)	TPH	5,000	2,500	5,000 to 60,000			NA	**72.7**	**98.8**	NA	**110**	**243**	**112**	NA
Metals														
(mg/kg)	Arsenic	40	40	30	30	30	NA	**1.9**	**1.7**	NA	**4.0**	**4.3**	**4.1**	NA
	Barium	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	80	30	30	11	30	NA	0.38 U	0.43 U	NA	**0.61**	0.46 U	0.47 U	NA
	Chromium	1,000	1,000	500	500	500	NA	**24**	**14**	NA	**18**	**18**	**14**	NA
	Lead	2,000	1,000	1,000	1,000	1,000	NA	**16**	**41**	**130**	**210**	**210**	**260**	**220**
	Mercury	10	10	10	3	10	NA	0.070 U	0.070 U	NA	**0.28**	**0.20**	**0.16**	NA
	Selenium	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP														
(mg/L)	Lead	N/A	N/A	N/A	N/A	N/A	**0.52**	NA	NA	NA	**0.79**	**1.8**	**0.70**	NA
Specific Conductance														
(umhos/cm)	Specific Conductance	8,000	4,000	N/A	N/A	N/A	NA	NA	NA	NA	**160**	**310**	**210**	NA

Notes:

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

mg/L - milligrams per liter.

umhos/cm - Micro-mhos per centimeter.

NA - Sample not analyzed for the listed analyte.

N/A - Not available/applicable.

ND - Not detected.

R - Rejected data point due to LCS recoveries <10%.

U - Compound was not detected at specified quantitation limit.

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

VOCs - Volatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

TCLP - Toxicity Characteristic Leaching Procedure.

* - Reuse and Disposal of Contaminated Soil at Massachusetts Landfills, Department of Environmental Protection Policy # COMM-97-001, August 1997.

** - Massachusetts Soil Recycling Facility Summary Levels,

Table 3
Summary of Analytical Results for Backfill Soil Samples
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Method 1 S-1/GW-1	Method 1 S-1/GW-2	Method 1 S-1/GW-3	RC S-1	Sample-1 12/8/2009	Sample-2 12/8/2009	MEDEROS-SF 5/13/2010	PICO-BF 5/13/2010	LAL LOAM 6/10/2010
VOCs										
(mg/kg)	Methylene chloride	0.1	20	200	0.1	0.021 U	0.026 U	0.0092 U	0.0076 U	0.012 U
	1,1-Dichloroethane	0.4	5	500	0.4	0.0021 U	0.0026 U	0.0014 U	0.0011 U	0.0018 U
	Chloroform	0.4	0.3	400	0.3	0.0043 U	0.0052 U	0.0014 U	0.0011 U	0.0018 U
	Carbon tetrachloride	10	5	10	5	0.011 U	0.013 U	0.00092 U	0.00076 U	0.0012 U
	1,2-Dichloropropane	0.1	0.1	10	0.1	0.0021 U	0.0026 U	0.0032 U	0.0027 U	0.0043 U
	Dibromochloromethane	0.005	0.03	20	0.005	0.0011 U	0.0013 U	0.00092 U	0.00076 U	0.0012 U
	1,1,2-Trichloroethane	0.1	2	4	0.1	0.0021 U	0.0026 U	0.0014 U	0.0011 U	0.0018 U
	Tetrachloroethene	1	10	30	1	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	Chlorobenzene	1	3	100	1	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	Trichlorofluoromethane	NS	NS	NS	1,000	0.011 U	0.013 U	0.0046 U	0.0038 U	0.0061 U
	1,2-Dichloroethane	0.1	0.1	10	0.1	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	1,1,1-Trichloroethane	30	500	500	30	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	Bromodichloromethane	0.1	0.1	20	0.1	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	trans-1,3-Dichloropropene	0.01(2)	0.4(2)	9(2)	0.01(2)	0.0011 U	0.0013 U	0.00092 U	0.00076 U	0.0012 U
	cis-1,3-Dichloropropene	0.01(2)	0.4(2)	9(2)	0.01(2)	0.0011 U	0.0013 U	0.00092 U	0.00076 U	0.0012 U
	1,1-Dichloropropene	NS	NS	NS	0.01(3)	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U
	Bromoform	0.1	1	200	0.1	0.011 U	0.013 U	0.0037 U	0.0030 U	0.0049 U
	1,1,2,2-Tetrachloroethane	0.005	0.02	0.8	0.005	0.0011 U	0.0013 U	0.00092 U	0.00076 U	0.0012 U
	Benzene	2	30	30	2	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	Toluene	30	500	500	30	0.0021 U	0.0026 U	0.0014 U	0.0011 U	0.0018 U
	Ethylbenzene	40	500	500	40	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	Chloromethane	NS	NS	NS	100	0.011 U	0.013 U	0.0046 U	0.0038 U	0.0061 U
	Bromomethane	0.5	0.5	30	0.5	0.011 U	0.013 U	0.0018 U	0.0015 U	0.0024 U
	Vinyl chloride	0.6	0.6	0.6	0.6	0.011 U	0.013 U	0.0018 U	0.0015 U	0.0024 U
	Chloroethane	NS	NS	NS	100	0.021 U	0.026 U	0.0018 U	0.0015 U	0.0024 U
	1,1-Dichloroethene	3	40	500	3	0.0043 U	0.0052 U	0.00092 U	0.00076 U	0.0012 U
	trans-1,2-Dichloroethene	1	1	500	1	0.0021 U	0.0026 U	0.0014 U	0.0011 U	0.0018 U
	Trichloroethene	0.3	2	90	0.3	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	1,2-Dichlorobenzene	9	30	300	9	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U
	1,3-Dichlorobenzene	1	40	100	1	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U
	1,4-Dichlorobenzene	0.7	4	50	0.7	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U
	Methyl tert butyl ether	0.1	100	100	0.1	0.0043 U	0.0052 U	0.0018 U	0.0015 U	0.0024 U

Table 3
Summary of Analytical Results for Backfill Soil Samples
246 River Road
New Bedford, Massachusetts

Analysis	Analyte				Sample ID:	Sample-1	Sample-2	MEDEROS-SF	PICO-BF	LAL LOAM
					Sample Date:	12/8/2009	12/8/2009	5/13/2010	5/13/2010	6/10/2010
		Method 1			RC					
		S-1/GW-1	S-1/GW-2	S-1/GW-3	S-1					
	p/m-Xylene	400	300	500	300	0.0043 U	0.0052 U	0.0018 U	0.0015 U	0.0024 U
	o-Xylene	400	300	500	300	0.0021 U	0.0026 U	0.0018 U	0.0015 U	0.0024 U
	cis-1,2-Dichloroethene	0.3	0.4	100	0.3	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	Dibromomethane	NS	NS	NS	500	0.0021 U	0.0026 U	0.0092 U	0.0076 U	0.012 U
	1,2,3-Trichloropropane	NS	NS	NS	100	0.0021 U	0.0026 U	0.0092 U	0.0076 U	0.012 U
	Styrene	3	4	30	3	0.0021 U	0.0026 U	0.0018 U	0.0015 U	0.0024 U
	Dichlorodifluoromethane	NS	NS	NS	1,000	0.021 U	0.026 U	0.0092 U	0.0076 U	0.012 U
	Acetone	6	50	400	6	0.11 U	0.13 U	0.033 U	0.027 U	0.044 U
	Carbon disulfide	NS	NS	NS	100	0.0064 U	0.0078 U	0.046 U	0.038 U	0.061 U
	2-Butanone	4	50	400	4	0.043 U	0.052 U	0.0092 U	0.0076 U	0.012 U
	4-Methyl-2-pentanone	0.4	50	400	0.4	0.021 U	0.026 U	0.0092 U	0.0076 U	0.012 U
	2-Hexanone	NS	NS	NS	100	0.021 U	0.026 U	0.0092 U	0.0076 U	0.012 U
	Bromochloromethane	NS	NS	NS	NS	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U
	Tetrahydrofuran	NS	NS	NS	500	0.011 U	0.013 U	0.018 U	0.015 U	0.024 U
	2,2-Dichloropropane	NS	NS	NS	0.1[4]	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U
	1,2-Dibromoethane	0.1	0.1	0.7	0.1	0.0011 U	0.0013 U	0.0037 U	0.0030 U	0.0049 U
	1,3-Dichloropropane	NS	NS	NS	500	0.0011 U	0.0013 U	0.0046 U	0.0038 U	0.0061 U
	1,1,1,2-Tetrachloroethane	0.1	0.1	7	0.1	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	Bromobenzene	NS	NS	NS	100	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U
	n-Butylbenzene	100[1]	100[1]	100[1]	100[1]	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	sec-Butylbenzene	100[1]	100[1]	100[1]	100[1]	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	tert-Butylbenzene	100[1]	100[1]	100[1]	100[1]	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U
	o-Chlorotoluene	NS	NS	NS	100	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U
	p-Chlorotoluene	NS	NS	NS	100	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U
	1,2-Dibromo-3-chloropropane	NS	NS	NS	10	0.011 U	0.013 U	0.0046 U	0.0038 U	0.0061 U
	Hexachlorobutadiene	6	6	6	6	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U
	Isopropylbenzene	100[1]	100[1]	100[1]	1000	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	p-Isopropyltoluene	100[1]	100[1]	100[1]	100[1]	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	Naphthalene	4	40	500	4	0.0043 U	0.0052 U	0.0046 U	0.0038 U	0.0061 U
	n-Propylbenzene	100[1]	100[1]	100[1]	100	0.0021 U	0.0026 U	0.00092 U	0.00076 U	0.0012 U
	1,2,3-Trichlorobenzene	NS	NS	NS	NS	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U
	1,2,4-Trichlorobenzene	2	70	500	2	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U
	1,3,5-Trimethylbenzene	100[1]	100[1]	100[1]	10	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U

Table 3
Summary of Analytical Results for Backfill Soil Samples
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Analysis	Analyte	Method 1			RC	Sample-1	Sample-2	MEDEROS-SF	PICO-BF	LAL LOAM
					Sample ID:	Sample-1	Sample-2	MEDEROS-SF	PICO-BF	LAL LOAM
					Sample Date:	12/8/2009	12/8/2009	5/13/2010	5/13/2010	6/10/2010
		S-1/GW-1	S-1/GW-2	S-1/GW-3	S-1					
	1,2,4-Trimethylbenzene	100[1]	100[1]	100[1]	1,000	0.0021 U	0.0026 U	0.0046 U	0.0038 U	0.0061 U
	Ethyl ether	NS	NS	NS	100	0.021 U	0.026 U	0.0046 U	0.0038 U	0.0061 U
	Isopropyl Ether	NS	NS	NS	100	0.0011 U	0.0013 U	0.0037 U	0.0030 U	0.0049 U
	Ethyl-Tert-Butyl-Ether	NS	NS	NS	NS	0.0011 U	0.0013 U	0.0037 U	0.0030 U	0.0049 U
	Tertiary-Amyl Methyl Ether	NS	NS	NS	NS	0.0011 U	0.0013 U	0.0037 U	0.0030 U	0.0049 U
	1,4-Dioxane	0.2	6	70	0.2	0.11 U	0.13 U	0.46 U	0.38 U	0.61 U
VPH										
(mg/kg)	C9-C10 Aromatics	100	100	100	100	10 U	12 U	3.20 U	2.98 U	3.47 U
	C5-C8 Aliphatics	100	100	100	100	15 U	18 U	3.20 U	2.98 U	3.47 U
	C9-C12 Aliphatics	1,000	1,000	1,000	1,000	10 U	12 U	3.20 U	2.98 U	3.47 U
	Benzene	2	30	30	2	0.052 U	0.061 U	NA	NA	NA
	Ethylbenzene	40	500	500	40	0.052 U	0.061 U	NA	NA	NA
	Methyl tert-Butyl Ether (MTBE)	0.1	100	100	0.1	0.052 U	0.061 U	NA	NA	NA
	Naphthalene	4	40	500	4	0.52 U	0.61 U	NA	NA	NA
	Toluene	30	500	500	30	0.052 U	0.061 U	NA	NA	NA
	m+p Xylene	400	300	500	300	0.10 U	0.12 U	NA	NA	NA
	o-Xylene	400	300	500	300	0.052 U	0.061 U	NA	NA	NA
EPH										
(mg/kg)	C9-C18 Aliphatics	1,000	1,000	1,000	1,000	10 U	11 U	6.76 U	7.05 U	8.06 U
	C19-C36 Aliphatics	3,000	3,000	3,000	3,000	10 U	**12**	6.76 U	7.05 U	8.06 U
	C11-C22 Aromatics	1,000	1,000	1,000	1,000	10 U	**19**	6.76 U	**11.9**	8.06 U
	Acenaphthene	4	1,000	1,000	4	0.10 U	0.11 U	NA	NA	NA
	Acenaphthylene	1	600	10	1	0.10 U	0.11 U	NA	NA	NA
	Anthracene	1,000	1,000	1,000	1,000	0.10 U	**0.21**	NA	NA	NA
	Benzo(a)anthracene	7	7	7	7	0.10 U	**0.47**	NA	NA	NA
	Benzo(a)pyrene	2	2	2	2	0.10 U	**0.45**	NA	NA	NA
	Benzo(b)fluoranthene	7	7	7	7	0.10 U	**0.67**	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	1,000	1,000	1,000	0.10 U	**0.28**	NA	NA	NA
	Benzo(k)fluoranthene	70	70	70	70	0.10 U	**0.24**	NA	NA	NA
	Chrysene	70	70	70	70	0.10 U	**0.55**	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	0.7	0.7	0.10 U	0.11 U	NA	NA	NA
	Fluoranthene	1,000	1,000	1,000	1,000	0.10 U	**1.1**	NA	NA	NA
	Fluorene	1,000	1,000	1,000	1,000	0.10 U	**0.15**	NA	NA	NA

Table 3
Summary of Analytical Results for Backfill Soil Samples
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Method 1			RC	Sample-1	Sample-2	MEDEROS-SF	PICO-BF	LAL LOAM
					Sample ID:	Sample-1	Sample-2	MEDEROS-SF	PICO-BF	LAL LOAM
					Sample Date:	12/8/2009	12/8/2009	5/13/2010	5/13/2010	6/10/2010
		S-1/GW-1	S-1/GW-2	S-1/GW-3	S-1					
	Indeno(1,2,3-cd)pyrene	7	7	7	7	0.10 U	**0.33**	NA	NA	NA
	2-Methylnaphthalene	0.7	80	300	0.7	0.10 U	0.11 U	NA	NA	NA
	Naphthalene	4	40	500	4	0.10 U	0.11 U	NA	NA	NA
	Phenanthrene	10	500	500	10	0.10 U	**0.71**	NA	NA	NA
	Pyrene	1,000	1,000	1,000	1,000	0.10 U	**1.1**	NA	NA	NA
SVOCs										
(mg/kg)	Acenaphthene	4	1,000	1,000	4	0.17 U	0.18 U	0.34 U	0.34 U	0.40 U
	1,2,4-Trichlorobenzene	2	70	500	2	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	Hexachlorobenzene	0.7	0.7	0.7	0.7	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	Bis(2-chloroethyl)ether	0.7	0.7	0.7	0.7	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	2-Chloronaphthalene	NS	NS	NS	1,000	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	1,2-Dichlorobenzene	9	30	300	9	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	1,3-Dichlorobenzene	1	40	100	1	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	1,4-Dichlorobenzene	0.7	4	50	0.7	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	3,3'-Dichlorobenzidine	1	1	1	1	0.17 U	0.18 U	0.67 U	0.68 U	0.79 U
	2,4-Dinitrotoluene	0.7	2	2	0.7	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	2,6-Dinitrotoluene	NS	NS	NS	100	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	Azobenzene	NS	NS	NS	50	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	Fluoranthene	1,000	1,000	1,000	1,000	0.17 U	**0.83**	**0.46**	0.34 U	**1.2**
	4-Bromophenyl phenyl ether	NS	NS	NS	100	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	Bis(2-chloroisopropyl)ether	0.7	0.7	3	0.7	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	Bis(2-chloroethoxy)methane	NS	NS	NS	500	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	Hexachlorobutadiene	6	6	6	6	0.34 U	0.36 U	0.67 U	0.68 U	0.79 U
	Hexachloroethane	0.7	3	9	0.7	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	Isophorone	NS	NS	NS	100	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	Naphthalene	4	40	500	4	0.17 U	0.18 U	0.34 U	0.34 U	0.40 U
	Nitrobenzene	NS	NS	NS	500	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	Bis(2-Ethylhexyl)phthalate	200	200	200	200	0.34 U	0.36 U	0.67 U	0.68 U	0.79 U
	Butyl benzyl phthalate	NS	NS	NS	100	0.66 U	0.71 U	0.34 U	0.34 U	0.40 U
	Di-n-butylphthalate	NS	NS	NS	50	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	Di-n-octylphthalate	NS	NS	NS	1,000	0.66 U	0.71 U	0.34 U	0.34 U	0.40 U
	Diethyl phthalate	10	200	300	10	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	Dimethyl phthalate	30	50	600	30	0.66 U	0.71 U	0.34 U	0.34 U	0.40 U

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246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Method 1			RC	Sample-1	Sample-2	MEDEROS-SF	PICO-BF	LAL LOAM
					Sample ID:	Sample-1	Sample-2	MEDEROS-SF	PICO-BF	LAL LOAM
					Sample Date:	12/8/2009	12/8/2009	5/13/2010	5/13/2010	6/10/2010
		S-1/GW-1	S-1/GW-2	S-1/GW-3	S-1					
	Benzo(a)anthracene	7	7	7	7	0.17 U	**0.40**	0.34 U	0.34 U	**0.62**
	Benzo(a)pyrene	2	2	2	2	0.17 U	**0.32**	0.34 U	0.34 U	**0.57**
	Benzo(b)fluoranthene	7	7	7	7	0.17 U	**0.39**	0.34 U	0.34 U	**0.90**
	Benzo(k)fluoranthene	70	70	70	70	0.17 U	0.18 U	0.34 U	0.34 U	0.40 U
	Chrysene	70	70	70	70	0.17 U	**0.35**	0.34 U	0.34 U	**0.70**
	Acenaphthylene	1	600	10	1	0.17 U	0.18 U	0.34 U	0.34 U	0.40 U
	Anthracene	1,000	1,000	1,000	1,000	0.17 U	**0.24**	0.34 U	0.34 U	0.40 U
	Benzo(ghi)perylene	1,000	1,000	1,000	1,000	0.17 U	0.18 U	0.34 U	0.34 U	0.40 U
	Fluorene	1,000	1,000	1,000	1,000	0.17 U	0.18 U	0.34 U	0.34 U	0.40 U
	Phenanthrene	10	500	500	10	0.17 U	**0.75**	0.34 U	0.34 U	**0.74**
	Dibenzo(a,h)anthracene	0.7	0.7	0.7	0.7	0.17 U	0.18 U	0.34 U	0.34 U	0.40 U
	Indeno(1,2,3-cd)Pyrene	7	7	7	7	0.17 U	**0.33**	0.34 U	0.34 U	**0.40**
	Pyrene	1,000	1,000	1,000	1,000	0.17 U	**0.58**	**0.40**	0.34 U	**1.0**
	Aniline	NS	NS	NS	1,000	0.34 U	0.36 U	0.67 U	0.68 U	0.79 U
	4-Chloroaniline	1	100	3	1	0.66 U	0.71 U	0.34 U	0.34 U	0.40 U
	Dibenzofuran	NS	NS	NS	100	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	2-Methylnaphthalene	0.7	80	300	0.7	0.17 U	0.18 U	0.34 U	0.34 U	0.40 U
	Acetophenone	NS	NS	NS	1,000	0.34 U	0.36 U	1.3 U	1.4 U	0.79 U
	2,4,6-Trichlorophenol	0.7	20	20	0.7	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	2-Chlorophenol	0.7	100	100	0.7	0.34 U	0.36 U	0.40 U	0.41 U	0.48 U
	2,4-Dichlorophenol	0.7	60	40	0.7	0.34 U	0.36 U	0.67 U	0.68 U	0.79 U
	2,4-Dimethylphenol	0.7	100	500	0.7	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
	2-Nitrophenol	NS	NS	NS	100	0.34 U	0.36 U	1.3 U	1.4 U	1.6 U
	4-Nitrophenol	NS	NS	NS	100	0.66 U	0.71 U	0.67 U	0.68 U	0.79 U
	2,4-Dinitrophenol	3	50	50	3	0.66 U	0.71 U	1.3 U	1.4 U	1.6 U
	Pentachlorophenol	3	10	10	3	0.34 U	0.36 U	1.3 U	1.4 U	1.6 U
	Phenol	1	50	20	1	0.34 U	0.36 U	0.47 U	0.48 U	0.55 U
	2-Methylphenol	NS	NS	NS	500	0.34 U	0.36 U	0.40 U	0.41 U	0.48 U
	3-Methylphenol/4-Methylphenol	NS	NS	NS	500	0.34 U	0.36 U	0.40 U	0.41 U	0.48 U
	2,4,5-Trichlorophenol	4	1,000	600	4	0.34 U	0.36 U	0.34 U	0.34 U	0.40 U
PCBs										
(mg/kg)	Aroclor 1016	2	2	2	2	0.10 U	0.11 U	0.0352 U	0.0339 U	0.0423 U
	Aroclor 1221	2	2	2	2	0.10 U	0.11 U	0.0352 U	0.0339 U	0.0423 U

Table 3
Summary of Analytical Results for Backfill Soil Samples
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	Method 1			RC	Sample-1	Sample-2	MEDEROS-SF	PICO-BF	LAL LOAM
					Sample ID:	Sample-1	Sample-2	MEDEROS-SF	PICO-BF	LAL LOAM
					Sample Date:	12/8/2009	12/8/2009	5/13/2010	5/13/2010	6/10/2010
		S-1/GW-1	S-1/GW-2	S-1/GW-3	S-1					
	Aroclor 1232	2	2	2	2	0.10 U	0.11 U	0.0352 U	0.0339 U	0.0423 U
	Aroclor 1242	2	2	2	2	0.10 U	0.11 U	0.0352 U	0.0339 U	0.0423 U
	Aroclor 1248	2	2	2	2	0.10 U	0.11 U	0.0352 U	0.0339 U	0.0423 U
	Aroclor 1254	2	2	2	2	0.10 U	0.11 U	0.0352 U	0.0339 U	0.0423 U
	Aroclor 1260	2	2	2	2	0.10 U	0.11 U	0.0352 U	0.0339 U	0.0423 U
	Aroclor 1262	2	2	2	2	0.10 U	0.11 U	0.0352 U	0.0339 U	0.0423 U
	Aroclor 1268	2	2	2	2	0.10 U	0.11 U	0.0352 U	0.0339 U	0.0423 U
Pesticides										
(mg/kg)	Delta-BHC	NS	NS	NS	10	0.0050 U	0.0053 U	0.0080 U	0.0080 U	0.0484 U
	Lindane	0.003	0.7	0.5	0.003	0.0030 U	0.0032 U	0.00289 U	0.00271 U	0.0161 U
	Alpha-BHC	NS	NS	NS	50	0.0050 U	0.0053 U	0.00362 U	0.00338 U	0.0202 U
	Beta-BHC	NS	NS	NS	10	0.0050 U	0.0053 U	0.0080 U	0.0080 U	0.0484 U
	Heptachlor	0.2	0.2	0.2	0.2	0.0050 U	0.0053 U	0.00434 U	0.00406 U	0.0242 U
	Aldrin	0.04	0.04	0.04	0.04	0.0050 U	0.0053 U	0.0080 U	0.0080 U	0.0484 U
	Heptachlor epoxide	0.09	0.09	0.09	0.09	0.0050 U	0.0053 U	0.0163 U	0.0152 U	0.0907 U
	Endrin	8	8	8	8	0.0080 U	0.0085 U	0.00362 U	0.00338 U	0.0202 U
	Endrin ketone	NS	NS	NS	NS	0.0080 U	0.0085 U	0.0080 U	0.0080 U	0.0484 U
	Dieldrin	0.05	0.05	0.05	0.05	0.0080 U	0.0085 U	0.00542 U	0.00508 U	0.0302 U
	4,4'-DDE	3	3	3	3	0.0040 U	0.0043 U	0.0080 U	0.0080 U	0.0484 U
	4,4'-DDD	4	4	4	4	0.0080 U	0.0085 U	0.0080 U	0.0080 U	0.0484 U
	4,4'-DDT	3	3	3	3	0.0080 U	0.0085 U	0.0163 U	0.0152 U	0.0907 U
	Endosulfan I	0.5	200	1	0.5	0.0050 U	0.0053 U	0.0080 U	0.0080 U	0.0484 U
	Endosulfan II	0.5	200	1	0.5	0.0080 U	0.0085 U	0.0080 U	0.0080 U	0.0484 U
	Endosulfan sulfate	NS	NS	NS	0.5	0.0080 U	0.0085 U	0.00362 U	0.00338 U	0.0202 U
	Methoxychlor	200	200	200	200	0.050 U	0.053 U	0.0163 U	0.0152 U	0.0907 U
	Chlordane	0.7	0.7	0.7	0.7	0.020 U	0.021 U	0.0705 U	0.0660 U	0.393 U
	Hexachlorobenzene	0.7	0.7	0.7	0.7	0.0050 U	0.0053 U	0.0080 U	0.0080 U	0.0484 U
Herbicides										
(mg/kg)	MCPP	NS	NS	NS	NS	6.0 U	6.8 U	3.4 U	3.5 U	4.0 U
	MCPA	NS	NS	NS	100	6.0 U	6.8 U	3.4 U	3.5 U	**9.4 P**
	Dalapon	NS	NS	NS	NS	0.060 U	0.068 U	0.034 U	0.035 U	0.040 U
	Dicamba	NS	NS	NS	500	0.060 U	0.068 U	0.034 U	0.035 U	0.040 U
	Dichloroprop	NS	NS	NS	NS	0.060 U	0.068 U	0.034 U	0.035 U	0.040 U

Table 3
Summary of Analytical Results for Backfill Soil Samples
246 River Road
New Bedford, Massachusetts

Analysis	Analyte				Sample ID:	Sample-1	Sample-2	MEDEROS-SF	PICO-BF	LAL LOAM
					Sample Date:	12/8/2009	12/8/2009	5/13/2010	5/13/2010	6/10/2010
		Method 1			RC					
		S-1/GW-1	S-1/GW-2	S-1/GW-3	S-1					
	2,4-D	NS	NS	NS	100	0.060 U	0.068 U	0.034 U	0.035 U	0.040 U
	2,4-DB	NS	NS	NS	100	0.060 U	0.068 U	0.034 U	0.035 U	0.040 U
	2,4,5-T	NS	NS	NS	100	0.060 U	0.068 U	0.034 U	0.035 U	0.040 U
	2,4,5-TP (Silvex)	NS	NS	NS	100	0.060 U	0.068 U	0.034 U	0.035 U	0.040 U
	Dinoseb	NS	NS	NS	500	0.060 U	0.068 U	0.034 U	0.035 U	**0.048**
Metals, total										
(mg/kg)	Arsenic	20	20	20	20	2.5 U	2.7 U	**1.2**	**2.2**	**5.1**
	Barium	1,000	1,000	1,000	1,000	**7.5**	**13**	**15**	**9.3**	**35**
	Cadmium	2	2	2	2	0.25 U	0.27 U	0.36 U	0.37 U	0.49 U
	Chromium	30	30	30	30	**1.6**	**4.5**	**4.7**	**5.2**	**9.1**
	Lead	300	300	300	300	**3.8**	**5.2**	**11**	**10**	**91**
	Mercury	20	20	20	20	0.020 U	0.021 U	0.070 U	0.070 U	0.090 U
	Selenium	400	400	400	400	5.0 U	5.4 U	1.8 U	1.9 U	2.4 U
	Silver	100	100	100	100	0.50 U	0.54 U	0.36 U	0.37 U	0.49 U

Notes:

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

NA - Sample not analyzed for the listed analyte.

NS - No MassDEP standards exist for this analyte.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

U - Compound was not detected at specified quantitation limit.

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

VOCs - Volatile Organic Compounds.

VPH - Volatile Petroleum Hydrocarbons.

EPH - Extractable Petroleum Hydrocarbons.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

RC - Reportable concentration.

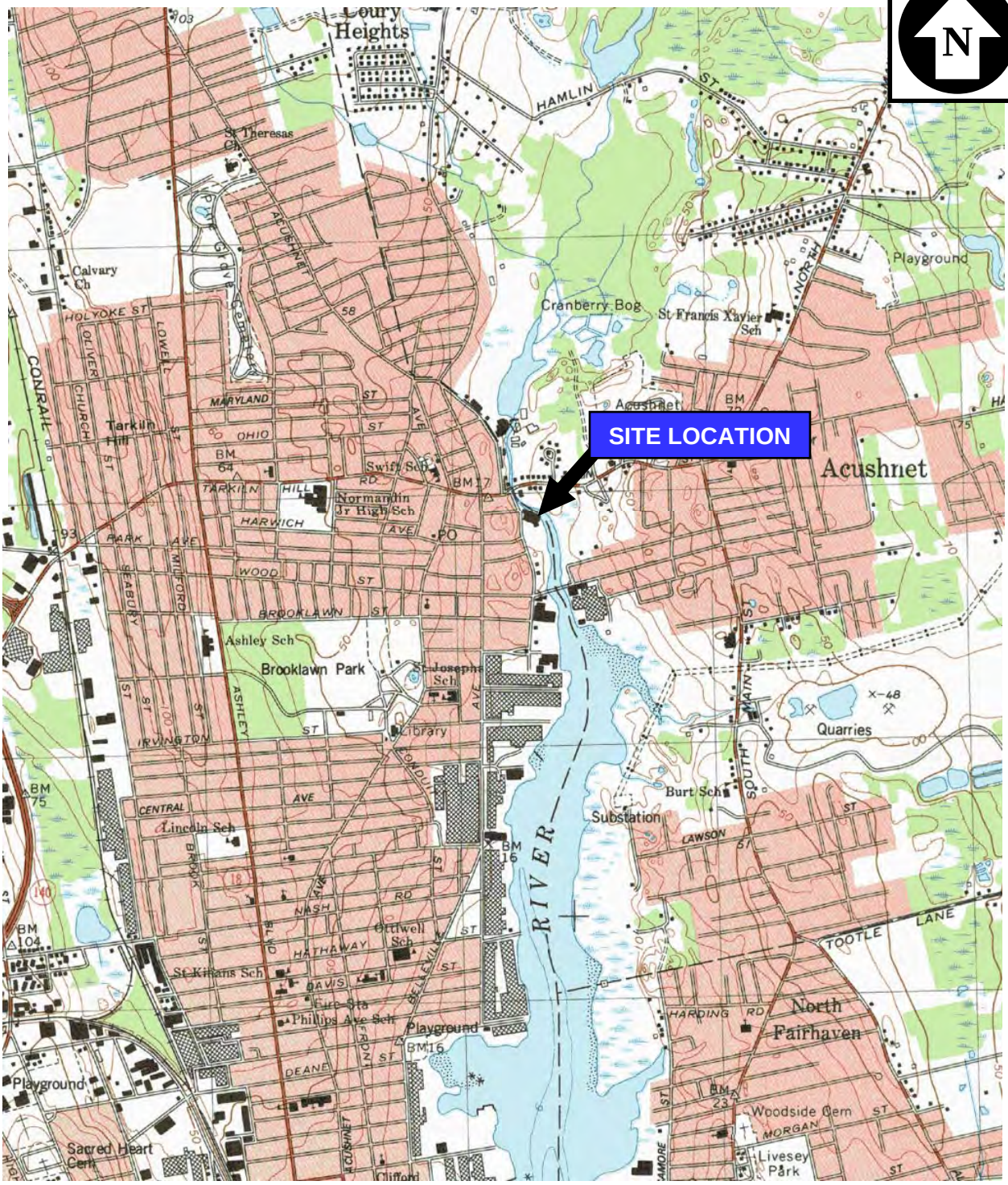
(1) - MassDEP Method 1 S- 1 standards and RCS-1 for C9-C10 aromatics used.

(2) - MassDEP Method 1 S- 1 standards and RCS-1 for 1,3-Dichloropropene used.

(3) - MassDEP RCS-1 for Dichloropropene used.

(4) - MassDEP RCS-1 for Dichloropropane used.

FIGURES



BASE MAP IS A PORTION OF THE FOLLOWING 7.5' X 15' USGS TOPOGRAPHIC QUADRANGLES: NEW BEDFORD NORTH, MA 1979

0 1000 2000 3000

scale in feet

QUADRANGLE LOCATION

T:\E_CAD\47284\246 River Rd TOPO.ppt

246 RIVER ROAD SITE, NEW BEDFORD, MASSACHUSETTS

SITE LOCATION MAP

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

Drawn: MAN	SCALE: AS SHOWN	FIGURE 1
Checked: RN	Date 11/20/06	

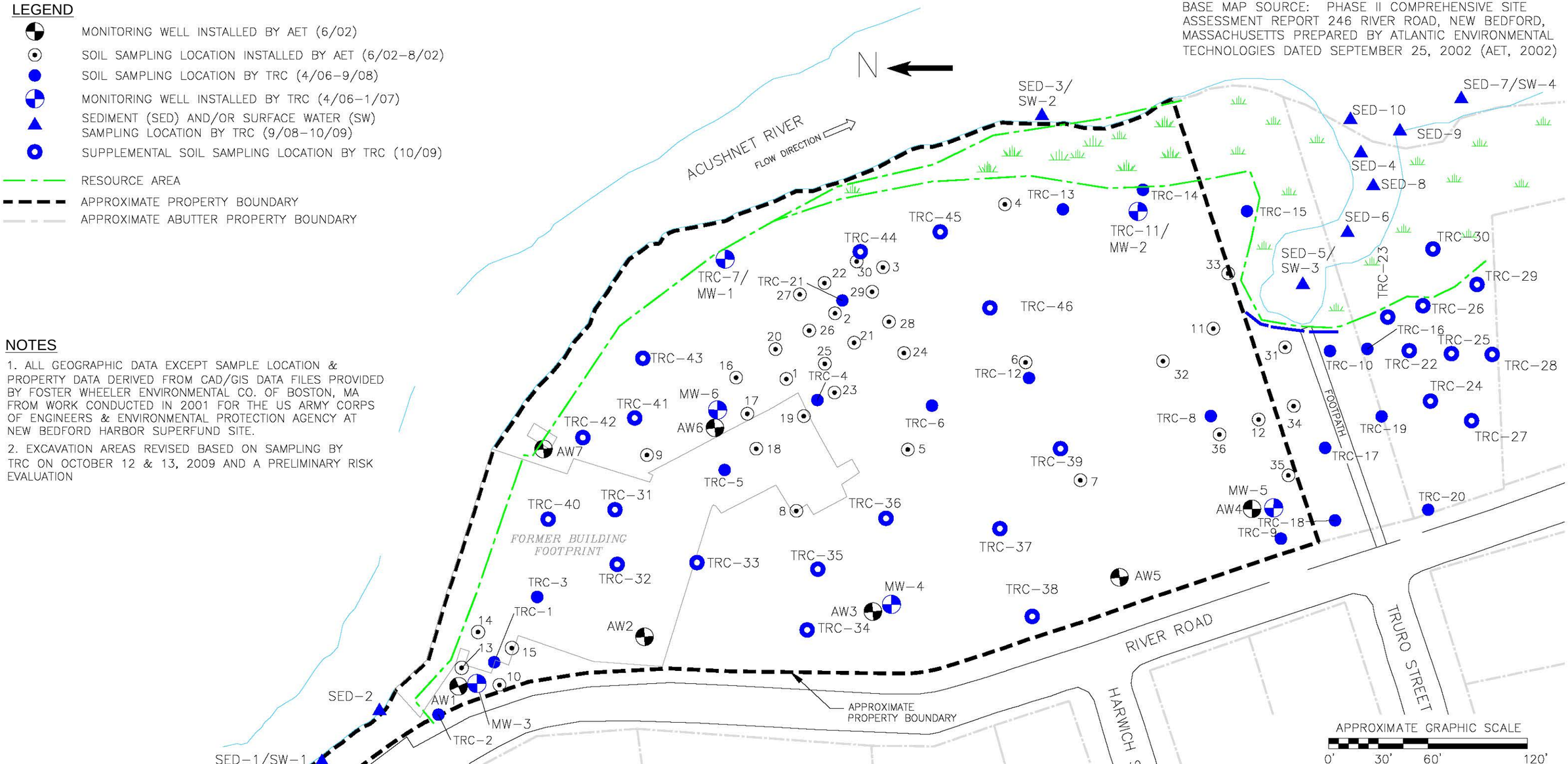
LEGEND

- MONITORING WELL INSTALLED BY AET (6/02)
- SOIL SAMPLING LOCATION INSTALLED BY AET (6/02–8/02)
- SOIL SAMPLING LOCATION BY TRC (4/06–9/08)
- MONITORING WELL INSTALLED BY TRC (4/06–1/07)
- SEDIMENT (SED) AND/OR SURFACE WATER (SW) SAMPLING LOCATION BY TRC (9/08–10/09)
- SUPPLEMENTAL SOIL SAMPLING LOCATION BY TRC (10/09)
- RESOURCE AREA
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE ABUTTER PROPERTY BOUNDARY

NOTES

1. ALL GEOGRAPHIC DATA EXCEPT SAMPLE LOCATION & PROPERTY DATA DERIVED FROM CAD/GIS DATA FILES PROVIDED BY FOSTER WHEELER ENVIRONMENTAL CO. OF BOSTON, MA FROM WORK CONDUCTED IN 2001 FOR THE US ARMY CORPS OF ENGINEERS & ENVIRONMENTAL PROTECTION AGENCY AT NEW BEDFORD HARBOR SUPERFUND SITE.
2. EXCAVATION AREAS REVISED BASED ON SAMPLING BY TRC ON OCTOBER 12 & 13, 2009 AND A PRELIMINARY RISK EVALUATION

BASE MAP SOURCE: PHASE II COMPREHENSIVE SITE ASSESSMENT REPORT 246 RIVER ROAD, NEW BEDFORD, MASSACHUSETTS PREPARED BY ATLANTIC ENVIRONMENTAL TECHNOLOGIES DATED SEPTEMBER 25, 2002 (AET, 2002)



SITE PLAN

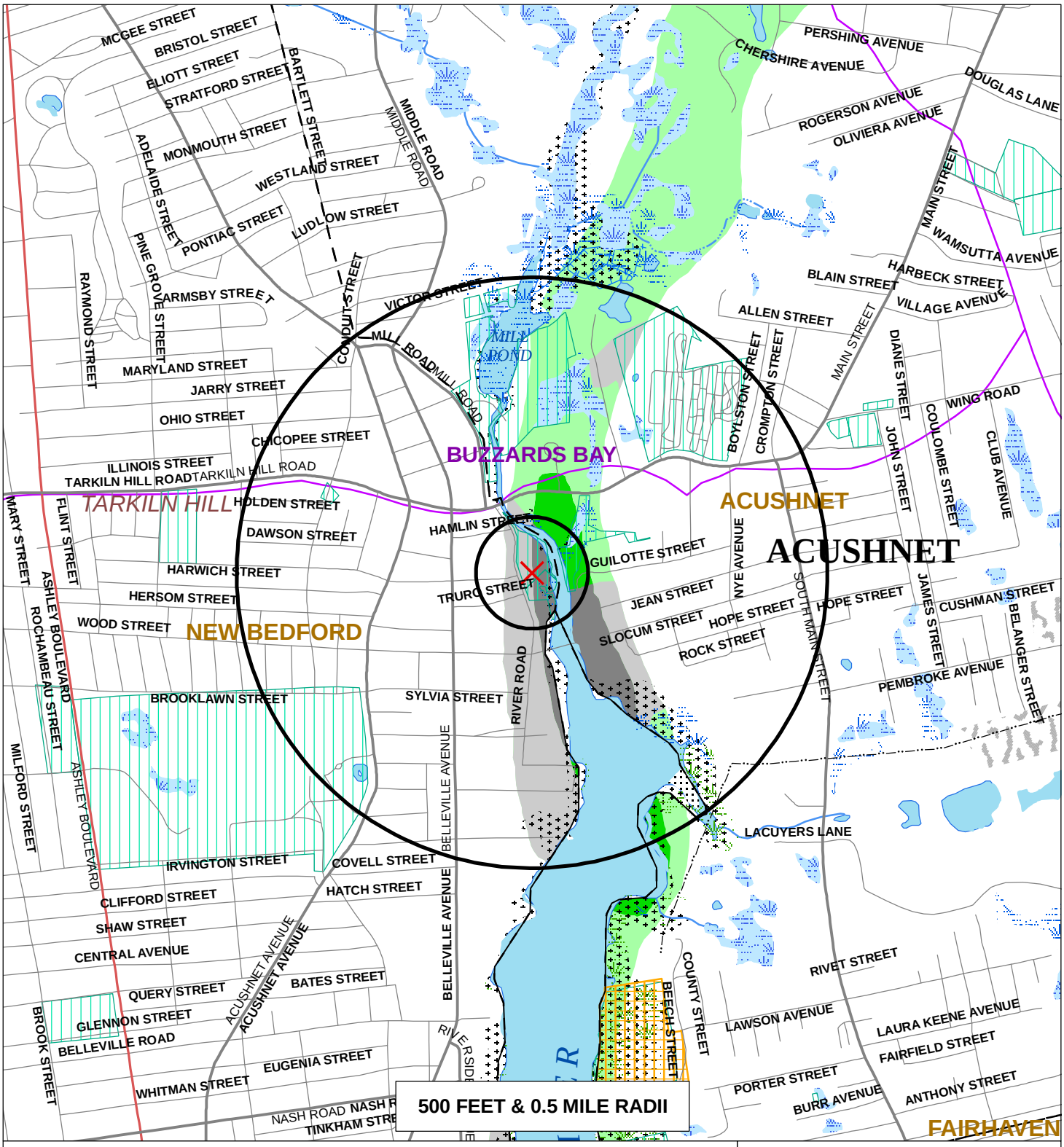
246 RIVER ROAD SITE
NEW BEDFORD, MASSACHUSETTS

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

DRAWN BY: ZLR
CHECKED BY: DMP
DATE: OCT 2010

FIGURE 2

FILE: T:\E_CAD\169909_river_rd\246RR Post-ex samples.dwg



Roads: Limited Access, Multi-Lane, Major/Minor, Track, Trail
Railroad, Pipline, Powerline
Major Basin, Sub Basin, Perennial Stream, Intermittent Stream, Shoreline, Man made Shore, Dam, Aqueduct
Wetland, Salt Wetland, Submerged Wetland, Open Water, Reservoir, Tidal Flat/Shoal
Potentially Productive Aquifers: Medium, High Yield
Non-Potential Drinking Water Source Area: Medium, High Yield
EPA Sole Source Aquifer, FEMA 100 Yr. Floodplain, DEP Solid Waste Facility
Approved Zone II, IWPA, Surface Water Supply Zone A
Protected Open Space, ACEC
Priority Habitat, Certified Vernal Pool
Boundaries: County and Town
Public Water Supplies: Ground, Surface, Non-Community (NTNC, TNC)

Source: MassGIS/EOEA

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

FIGURE 3

MASSDEP PRIORITY RESOURCES MAP
246 RIVER RD
NEW BEDFORD, MA

0 500 1,000 1,500
Feet

JAN 2012

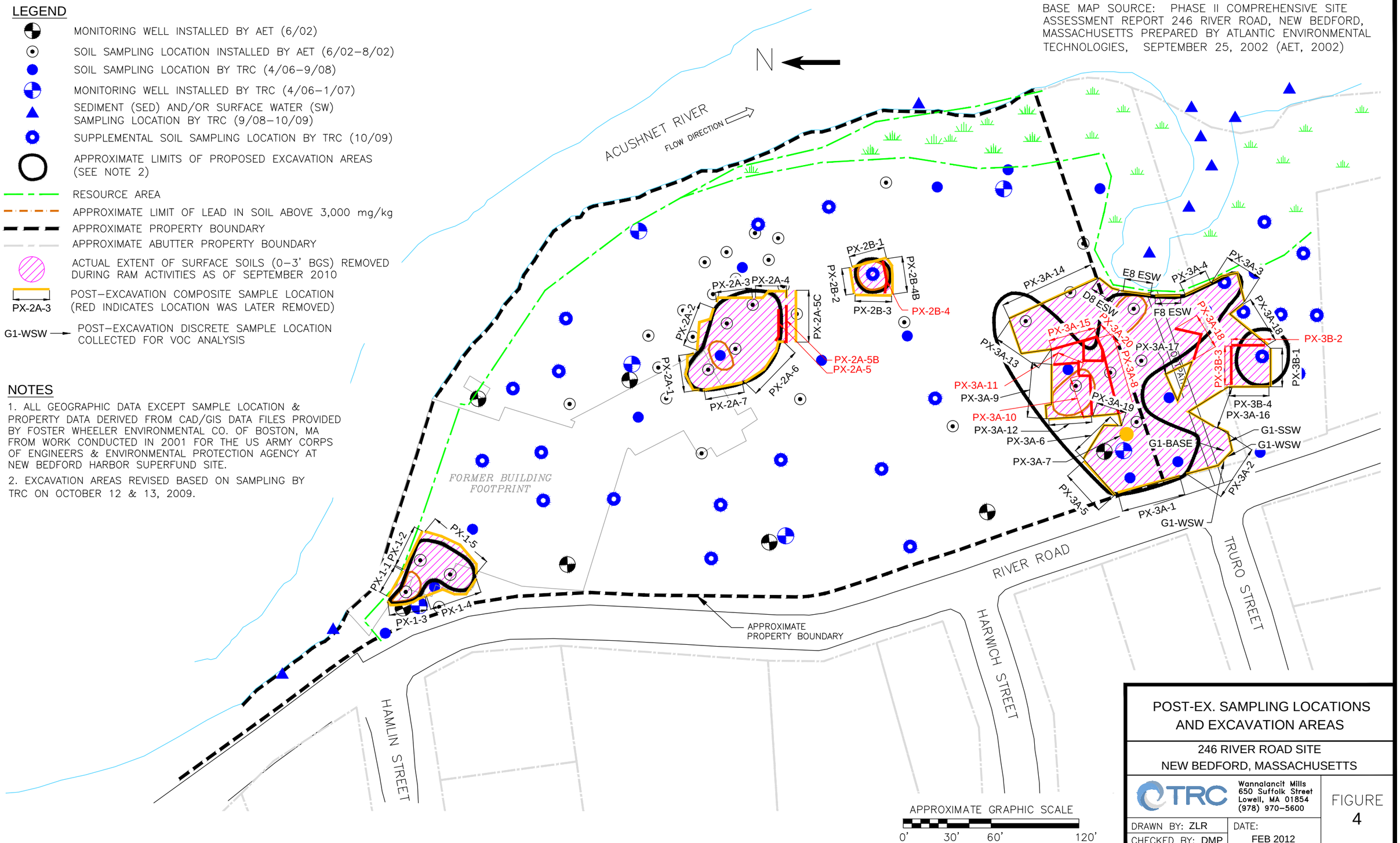
LEGEND

- MONITORING WELL INSTALLED BY AET (6/02)
- SOIL SAMPLING LOCATION INSTALLED BY AET (6/02–8/02)
- SOIL SAMPLING LOCATION BY TRC (4/06–9/08)
- MONITORING WELL INSTALLED BY TRC (4/06–1/07)
- SEDIMENT (SED) AND/OR SURFACE WATER (SW) SAMPLING LOCATION BY TRC (9/08–10/09)
- SUPPLEMENTAL SOIL SAMPLING LOCATION BY TRC (10/09)
- APPROXIMATE LIMITS OF PROPOSED EXCAVATION AREAS (SEE NOTE 2)
- RESOURCE AREA
- APPROXIMATE LIMIT OF LEAD IN SOIL ABOVE 3,000 mg/kg
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE ABUTTER PROPERTY BOUNDARY
- ACTUAL EXTENT OF SURFACE SOILS (0–3' BGS) REMOVED DURING RAM ACTIVITIES AS OF SEPTEMBER 2010
- PX-2A-3 — POST–EXCAVATION COMPOSITE SAMPLE LOCATION (RED INDICATES LOCATION WAS LATER REMOVED)
- G1-WSW — POST–EXCAVATION DISCRETE SAMPLE LOCATION COLLECTED FOR VOC ANALYSIS

NOTES

1. ALL GEOGRAPHIC DATA EXCEPT SAMPLE LOCATION & PROPERTY DATA DERIVED FROM CAD/GIS DATA FILES PROVIDED BY FOSTER WHEELER ENVIRONMENTAL CO. OF BOSTON, MA FROM WORK CONDUCTED IN 2001 FOR THE US ARMY CORPS OF ENGINEERS & ENVIRONMENTAL PROTECTION AGENCY AT NEW BEDFORD HARBOR SUPERFUND SITE.
2. EXCAVATION AREAS REVISED BASED ON SAMPLING BY TRC ON OCTOBER 12 & 13, 2009.

BASE MAP SOURCE: PHASE II COMPREHENSIVE SITE ASSESSMENT REPORT 246 RIVER ROAD, NEW BEDFORD, MASSACHUSETTS PREPARED BY ATLANTIC ENVIRONMENTAL TECHNOLOGIES, SEPTEMBER 25, 2002 (AET, 2002)



POST-EX. SAMPLING LOCATIONS AND EXCAVATION AREAS

246 RIVER ROAD SITE
NEW BEDFORD, MASSACHUSETTS

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

DRAWN BY: ZLR
CHECKED BY: DMP
DATE: FEB 2012

FIGURE 4

FILE: T:\E_CAD\169909_river_rd\246RR Post-ex samples.dwg

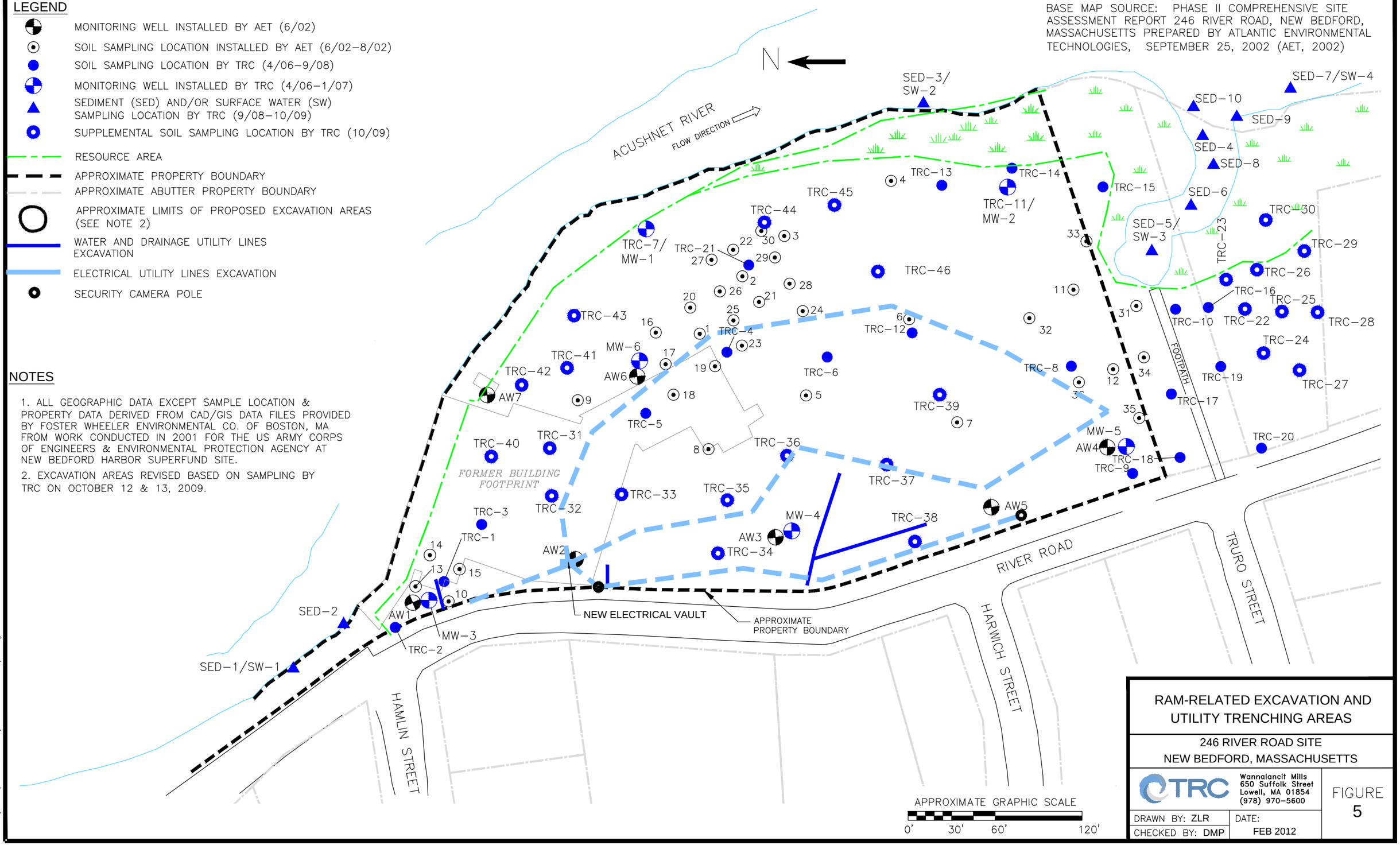
LEGEND

- MONITORING WELL INSTALLED BY AET (6/02)
- SOIL SAMPLING LOCATION INSTALLED BY AET (6/02–8/02)
- SOIL SAMPLING LOCATION BY TRC (4/06–9/08)
- MONITORING WELL INSTALLED BY TRC (4/06–1/07)
- SEDIMENT (SED) AND/OR SURFACE WATER (SW) SAMPLING LOCATION BY TRC (9/08–10/09)
- SUPPLEMENTAL SOIL SAMPLING LOCATION BY TRC (10/09)
- RESOURCE AREA
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE ABUTTER PROPERTY BOUNDARY
- APPROXIMATE LIMITS OF PROPOSED EXCAVATION AREAS (SEE NOTE 2)
- WATER AND DRAINAGE UTILITY LINES EXCAVATION
- ELECTRICAL UTILITY LINES EXCAVATION
- SECURITY CAMERA POLE

NOTES

1. ALL GEOGRAPHIC DATA EXCEPT SAMPLE LOCATION & PROPERTY DATA DERIVED FROM CAD/GIS DATA FILES PROVIDED BY FOSTER WHEELER ENVIRONMENTAL CO. OF BOSTON, MA FROM WORK CONDUCTED IN 2001 FOR THE US ARMY CORPS OF ENGINEERS & ENVIRONMENTAL PROTECTION AGENCY AT NEW BEDFORD HARBOR SUPERFUND SITE.
2. EXCAVATION AREAS REVISED BASED ON SAMPLING BY TRC ON OCTOBER 12 & 13, 2009.

BASE MAP SOURCE: PHASE II COMPREHENSIVE SITE ASSESSMENT REPORT 246 RIVER ROAD, NEW BEDFORD, MASSACHUSETTS PREPARED BY ATLANTIC ENVIRONMENTAL TECHNOLOGIES, SEPTEMBER 25, 2002 (AET, 2002)



RAM-RELATED EXCAVATION AND UTILITY TRENCHING AREAS

246 RIVER ROAD SITE
NEW BEDFORD, MASSACHUSETTS

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

DRAWN BY: ZLR
CHECKED BY: DMP
DATE: FEB 2012

FIGURE 5

FILE: T:\E_CAD\169909_river_rd\246RR Post-ex samples.dwg

APPENDIX A

DUST MONITORING DATA

Former Reliable Truss (246 River Road) Daily Construction/Excavation Monitoring Summary

Date: 4/27/2010

Weather: ~50 F, drizzling, slight breeze

Activity: Grubbing

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	85202130	1002	0.009	0.008	0.013	Started at ~0910
ON SITE	85202244	1005	0.010	0.007	0.073	Started at ~0905
DOWN WIND	85300952502	1006	0.041	0.055	0.069	Started at ~0925
UPWIND		1031	0.010	0.008	0.019	
ON SITE		1037	0.011	0.007	0.093	
DOWN WIND		1038	0.042	0.035	0.070	
UPWIND		1058	0.010	0.008	0.019	
ON SITE		1101	0.011	0.007	0.098	
DOWN WIND		1102	0.041	0.031	0.072	
UPWIND		1128	0.010	0.008	0.055	
ON SITE		1130	0.011	0.007	0.098	
DOWN WIND		1131	0.042	0.031	0.072	
UPWIND		1200	0.011	0.008	0.055	
ON SITE		1203	0.011	0.007	0.098	
DOWN WIND		1204	0.042	0.031	0.072	
UPWIND		1232	0.011	0.008	0.055	
ON SITE		1234	0.012	0.007	0.098	
DOWN WIND		1235	0.039	0.027	0.072	
UPWIND		1258	0.011	0.008	0.055	
ON SITE		1302	0.012	0.007	0.098	
DOWN WIND		1304	0.040	0.027	0.078	
UPWIND		1332	0.011	0.008	0.055	
ON SITE		1336	0.012	0.007	0.098	
DOWN WIND		1337	0.037	0.031	0.047	DustTrak had stopped logging, data from MANUAL_002
UPWIND		1358	0.012	0.008	0.055	
ON SITE		1400	0.012	0.007	0.098	
DOWN WIND		1402	0.041	0.036	0.046	DustTrak had stopped logging, data from MANUAL_003
UPWIND		1428	0.012	0.008	0.055	
ON SITE		1431	0.012	0.007	0.098	
DOWN WIND		1433	0.037	0.031	0.041	DustTrak had stopped logging, data from MANUAL_004
UPWIND		1501	0.012	0.008	0.055	
ON SITE		1503	0.012	0.007	0.098	
DOWN WIND		1505	0.034	0.029	0.042	DustTrak had stopped logging, data from MANUAL_005
UPWIND		1546	0.012	0.008	0.055	Data logging stopped
ON SITE		1551	0.012	0.007	0.098	Data logging stopped
DOWN WIND		1600	0.044	0.034	0.068	DustTrak had stopped logging, data from MANUAL_006

NOTES

Intermittent drizzle throughout the day. Downwind DustTrak did not have 10 micron filter installed, and also began stopping every 13 minutes at around 1330.

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	1
Test Abbreviation:	
Start Date:	4/27/2010
Start Time:	9:11:08
Duration (dd:hh:mm:ss):	0:06:48:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	408
Notes:	Upwind

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.012
Minimum:	0.008
Time of Minimum:	9:14:08
Date of Minimum:	4/27/2010
Maximum:	0.021
Time of Maximum:	11:31:08
Date of Maximum:	4/27/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
4/27/2010	9:12:08	0.009
4/27/2010	9:13:08	0.009
4/27/2010	9:14:08	0.008
4/27/2010	9:15:08	0.009
4/27/2010	9:16:08	0.009
4/27/2010	9:17:08	0.009
4/27/2010	9:18:08	0.009
4/27/2010	9:19:08	0.009
4/27/2010	9:20:08	0.009
4/27/2010	9:21:08	0.01
4/27/2010	9:22:08	0.009
4/27/2010	9:23:08	0.009
4/27/2010	9:24:08	0.009

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

4/27/2010	9:25:08	0.009
4/27/2010	9:26:08	0.008
4/27/2010	9:27:08	0.009
4/27/2010	9:28:08	0.009
4/27/2010	9:29:08	0.009
4/27/2010	9:30:08	0.009
4/27/2010	9:31:08	0.009
4/27/2010	9:32:08	0.009
4/27/2010	9:33:08	0.009
4/27/2010	9:34:08	0.009
4/27/2010	9:35:08	0.009
4/27/2010	9:36:08	0.009
4/27/2010	9:37:08	0.009
4/27/2010	9:38:08	0.009
4/27/2010	9:39:08	0.008
4/27/2010	9:40:08	0.009
4/27/2010	9:41:08	0.009
4/27/2010	9:42:08	0.009
4/27/2010	9:43:08	0.009
4/27/2010	9:44:08	0.009
4/27/2010	9:45:08	0.009
4/27/2010	9:46:08	0.009
4/27/2010	9:47:08	0.009
4/27/2010	9:48:08	0.009
4/27/2010	9:49:08	0.009
4/27/2010	9:50:08	0.008
4/27/2010	9:51:08	0.009
4/27/2010	9:52:08	0.009
4/27/2010	9:53:08	0.009
4/27/2010	9:54:08	0.009
4/27/2010	9:55:08	0.009
4/27/2010	9:56:08	0.009
4/27/2010	9:57:08	0.009
4/27/2010	9:58:08	0.009
4/27/2010	9:59:08	0.009
4/27/2010	10:00:08	0.009
4/27/2010	10:01:08	0.01
4/27/2010	10:02:08	0.01
4/27/2010	10:03:08	0.01
4/27/2010	10:04:08	0.01
4/27/2010	10:05:08	0.009
4/27/2010	10:06:08	0.01
4/27/2010	10:07:08	0.01
4/27/2010	10:08:08	0.01

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

4/27/2010	10:09:08	0.01
4/27/2010	10:10:08	0.011
4/27/2010	10:11:08	0.011
4/27/2010	10:12:08	0.011
4/27/2010	10:13:08	0.011
4/27/2010	10:14:08	0.011
4/27/2010	10:15:08	0.011
4/27/2010	10:16:08	0.012
4/27/2010	10:17:08	0.012
4/27/2010	10:18:08	0.012
4/27/2010	10:19:08	0.011
4/27/2010	10:20:08	0.011
4/27/2010	10:21:08	0.011
4/27/2010	10:22:08	0.011
4/27/2010	10:23:08	0.011
4/27/2010	10:24:08	0.011
4/27/2010	10:25:08	0.013
4/27/2010	10:26:08	0.011
4/27/2010	10:27:08	0.011
4/27/2010	10:28:08	0.011
4/27/2010	10:29:08	0.011
4/27/2010	10:30:08	0.011
4/27/2010	10:31:08	0.011
4/27/2010	10:32:08	0.012
4/27/2010	10:33:08	0.012
4/27/2010	10:34:08	0.011
4/27/2010	10:35:08	0.012
4/27/2010	10:36:08	0.011
4/27/2010	10:37:08	0.011
4/27/2010	10:38:08	0.011
4/27/2010	10:39:08	0.011
4/27/2010	10:40:08	0.01
4/27/2010	10:41:08	0.011
4/27/2010	10:42:08	0.012
4/27/2010	10:43:08	0.012
4/27/2010	10:44:08	0.011
4/27/2010	10:45:08	0.011
4/27/2010	10:46:08	0.011
4/27/2010	10:47:08	0.011
4/27/2010	10:48:08	0.011
4/27/2010	10:49:08	0.011
4/27/2010	10:50:08	0.011
4/27/2010	10:51:08	0.011
4/27/2010	10:52:08	0.011

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
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4/27/2010	10:53:08	0.012
4/27/2010	10:54:08	0.012
4/27/2010	10:55:08	0.012
4/27/2010	10:56:08	0.012
4/27/2010	10:57:08	0.011
4/27/2010	10:58:08	0.012
4/27/2010	10:59:08	0.011
4/27/2010	11:00:08	0.011
4/27/2010	11:01:08	0.011
4/27/2010	11:02:08	0.011
4/27/2010	11:03:08	0.012
4/27/2010	11:04:08	0.011
4/27/2010	11:05:08	0.012
4/27/2010	11:06:08	0.012
4/27/2010	11:07:08	0.011
4/27/2010	11:08:08	0.012
4/27/2010	11:09:08	0.011
4/27/2010	11:10:08	0.011
4/27/2010	11:11:08	0.011
4/27/2010	11:12:08	0.012
4/27/2010	11:13:08	0.011
4/27/2010	11:14:08	0.011
4/27/2010	11:15:08	0.012
4/27/2010	11:16:08	0.012
4/27/2010	11:17:08	0.011
4/27/2010	11:18:08	0.011
4/27/2010	11:19:08	0.011
4/27/2010	11:20:08	0.011
4/27/2010	11:21:08	0.011
4/27/2010	11:22:08	0.012
4/27/2010	11:23:08	0.011
4/27/2010	11:24:08	0.011
4/27/2010	11:25:08	0.012
4/27/2010	11:26:08	0.012
4/27/2010	11:27:08	0.011
4/27/2010	11:28:08	0.012
4/27/2010	11:29:08	0.012
4/27/2010	11:30:08	0.019
4/27/2010	11:31:08	0.021
4/27/2010	11:32:08	0.012
4/27/2010	11:33:08	0.012
4/27/2010	11:34:08	0.012
4/27/2010	11:35:08	0.012
4/27/2010	11:36:08	0.012

Dust Monitoring Data - Upwind
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4/27/2010	11:37:08	0.012
4/27/2010	11:38:08	0.012
4/27/2010	11:39:08	0.012
4/27/2010	11:40:08	0.012
4/27/2010	11:41:08	0.012
4/27/2010	11:42:08	0.012
4/27/2010	11:43:08	0.012
4/27/2010	11:44:08	0.012
4/27/2010	11:45:08	0.013
4/27/2010	11:46:08	0.013
4/27/2010	11:47:08	0.013
4/27/2010	11:48:08	0.013
4/27/2010	11:49:08	0.013
4/27/2010	11:50:08	0.013
4/27/2010	11:51:08	0.013
4/27/2010	11:52:08	0.013
4/27/2010	11:53:08	0.013
4/27/2010	11:54:08	0.013
4/27/2010	11:55:08	0.013
4/27/2010	11:56:08	0.013
4/27/2010	11:57:08	0.014
4/27/2010	11:58:08	0.014
4/27/2010	11:59:08	0.013
4/27/2010	12:00:08	0.013
4/27/2010	12:01:08	0.013
4/27/2010	12:02:08	0.013
4/27/2010	12:03:08	0.014
4/27/2010	12:04:08	0.013
4/27/2010	12:05:08	0.013
4/27/2010	12:06:08	0.013
4/27/2010	12:07:08	0.013
4/27/2010	12:08:08	0.014
4/27/2010	12:09:08	0.013
4/27/2010	12:10:08	0.013
4/27/2010	12:11:08	0.013
4/27/2010	12:12:08	0.013
4/27/2010	12:13:08	0.013
4/27/2010	12:14:08	0.013
4/27/2010	12:15:08	0.012
4/27/2010	12:16:08	0.013
4/27/2010	12:17:08	0.013
4/27/2010	12:18:08	0.013
4/27/2010	12:19:08	0.014
4/27/2010	12:20:08	0.013

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

4/27/2010	12:21:08	0.013
4/27/2010	12:22:08	0.013
4/27/2010	12:23:08	0.013
4/27/2010	12:24:08	0.013
4/27/2010	12:25:08	0.013
4/27/2010	12:26:08	0.013
4/27/2010	12:27:08	0.013
4/27/2010	12:28:08	0.013
4/27/2010	12:29:08	0.014
4/27/2010	12:30:08	0.014
4/27/2010	12:31:08	0.014
4/27/2010	12:32:08	0.012
4/27/2010	12:33:08	0.013
4/27/2010	12:34:08	0.013
4/27/2010	12:35:08	0.013
4/27/2010	12:36:08	0.013
4/27/2010	12:37:08	0.013
4/27/2010	12:38:08	0.013
4/27/2010	12:39:08	0.012
4/27/2010	12:40:08	0.012
4/27/2010	12:41:08	0.012
4/27/2010	12:42:08	0.012
4/27/2010	12:43:08	0.013
4/27/2010	12:44:08	0.013
4/27/2010	12:45:08	0.012
4/27/2010	12:46:08	0.012
4/27/2010	12:47:08	0.012
4/27/2010	12:48:08	0.012
4/27/2010	12:49:08	0.013
4/27/2010	12:50:08	0.012
4/27/2010	12:51:08	0.014
4/27/2010	12:52:08	0.011
4/27/2010	12:53:08	0.012
4/27/2010	12:54:08	0.011
4/27/2010	12:55:08	0.011
4/27/2010	12:56:08	0.012
4/27/2010	12:57:08	0.012
4/27/2010	12:58:08	0.012
4/27/2010	12:59:08	0.012
4/27/2010	13:00:08	0.012
4/27/2010	13:01:08	0.012
4/27/2010	13:02:08	0.011
4/27/2010	13:03:08	0.011
4/27/2010	13:04:08	0.012

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

4/27/2010	13:05:08	0.013
4/27/2010	13:06:08	0.011
4/27/2010	13:07:08	0.012
4/27/2010	13:08:08	0.013
4/27/2010	13:09:08	0.012
4/27/2010	13:10:08	0.013
4/27/2010	13:11:08	0.011
4/27/2010	13:12:08	0.011
4/27/2010	13:13:08	0.012
4/27/2010	13:14:08	0.012
4/27/2010	13:15:08	0.012
4/27/2010	13:16:08	0.012
4/27/2010	13:17:08	0.012
4/27/2010	13:18:08	0.012
4/27/2010	13:19:08	0.012
4/27/2010	13:20:08	0.012
4/27/2010	13:21:08	0.012
4/27/2010	13:22:08	0.012
4/27/2010	13:23:08	0.012
4/27/2010	13:24:08	0.011
4/27/2010	13:25:08	0.012
4/27/2010	13:26:08	0.013
4/27/2010	13:27:08	0.013
4/27/2010	13:28:08	0.012
4/27/2010	13:29:08	0.012
4/27/2010	13:30:08	0.012
4/27/2010	13:31:08	0.017
4/27/2010	13:32:08	0.013
4/27/2010	13:33:08	0.012
4/27/2010	13:34:08	0.012
4/27/2010	13:35:08	0.012
4/27/2010	13:36:08	0.012
4/27/2010	13:37:08	0.013
4/27/2010	13:38:08	0.013
4/27/2010	13:39:08	0.012
4/27/2010	13:40:08	0.012
4/27/2010	13:41:08	0.012
4/27/2010	13:42:08	0.013
4/27/2010	13:43:08	0.013
4/27/2010	13:44:08	0.012
4/27/2010	13:45:08	0.012
4/27/2010	13:46:08	0.013
4/27/2010	13:47:08	0.012
4/27/2010	13:48:08	0.012

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

4/27/2010	13:49:08	0.012
4/27/2010	13:50:08	0.013
4/27/2010	13:51:08	0.013
4/27/2010	13:52:08	0.013
4/27/2010	13:53:08	0.013
4/27/2010	13:54:08	0.013
4/27/2010	13:55:08	0.013
4/27/2010	13:56:08	0.014
4/27/2010	13:57:08	0.013
4/27/2010	13:58:08	0.012
4/27/2010	13:59:08	0.012
4/27/2010	14:00:08	0.012
4/27/2010	14:01:08	0.013
4/27/2010	14:02:08	0.013
4/27/2010	14:03:08	0.013
4/27/2010	14:04:08	0.013
4/27/2010	14:05:08	0.013
4/27/2010	14:06:08	0.014
4/27/2010	14:07:08	0.013
4/27/2010	14:08:08	0.013
4/27/2010	14:09:08	0.012
4/27/2010	14:10:08	0.012
4/27/2010	14:11:08	0.012
4/27/2010	14:12:08	0.011
4/27/2010	14:13:08	0.011
4/27/2010	14:14:08	0.011
4/27/2010	14:15:08	0.012
4/27/2010	14:16:08	0.012
4/27/2010	14:17:08	0.013
4/27/2010	14:18:08	0.013
4/27/2010	14:19:08	0.014
4/27/2010	14:20:08	0.012
4/27/2010	14:21:08	0.012
4/27/2010	14:22:08	0.012
4/27/2010	14:23:08	0.012
4/27/2010	14:24:08	0.012
4/27/2010	14:25:08	0.013
4/27/2010	14:26:08	0.013
4/27/2010	14:27:08	0.012
4/27/2010	14:28:08	0.013
4/27/2010	14:29:08	0.013
4/27/2010	14:30:08	0.012
4/27/2010	14:31:08	0.013
4/27/2010	14:32:08	0.012

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

4/27/2010	14:33:08	0.012
4/27/2010	14:34:08	0.012
4/27/2010	14:35:08	0.012
4/27/2010	14:36:08	0.012
4/27/2010	14:37:08	0.011
4/27/2010	14:38:08	0.012
4/27/2010	14:39:08	0.012
4/27/2010	14:40:08	0.012
4/27/2010	14:41:08	0.012
4/27/2010	14:42:08	0.012
4/27/2010	14:43:08	0.012
4/27/2010	14:44:08	0.012
4/27/2010	14:45:08	0.012
4/27/2010	14:46:08	0.013
4/27/2010	14:47:08	0.012
4/27/2010	14:48:08	0.012
4/27/2010	14:49:08	0.011
4/27/2010	14:50:08	0.011
4/27/2010	14:51:08	0.011
4/27/2010	14:52:08	0.011
4/27/2010	14:53:08	0.011
4/27/2010	14:54:08	0.013
4/27/2010	14:55:08	0.012
4/27/2010	14:56:08	0.012
4/27/2010	14:57:08	0.012
4/27/2010	14:58:08	0.013
4/27/2010	14:59:08	0.012
4/27/2010	15:00:08	0.013
4/27/2010	15:01:08	0.012
4/27/2010	15:02:08	0.013
4/27/2010	15:03:08	0.013
4/27/2010	15:04:08	0.013
4/27/2010	15:05:08	0.013
4/27/2010	15:06:08	0.012
4/27/2010	15:07:08	0.013
4/27/2010	15:08:08	0.012
4/27/2010	15:09:08	0.011
4/27/2010	15:10:08	0.012
4/27/2010	15:11:08	0.012
4/27/2010	15:12:08	0.013
4/27/2010	15:13:08	0.012
4/27/2010	15:14:08	0.013
4/27/2010	15:15:08	0.013
4/27/2010	15:16:08	0.013

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

4/27/2010	15:17:08	0.012
4/27/2010	15:18:08	0.011
4/27/2010	15:19:08	0.011
4/27/2010	15:20:08	0.011
4/27/2010	15:21:08	0.011
4/27/2010	15:22:08	0.012
4/27/2010	15:23:08	0.013
4/27/2010	15:24:08	0.014
4/27/2010	15:25:08	0.012
4/27/2010	15:26:08	0.013
4/27/2010	15:27:08	0.011
4/27/2010	15:28:08	0.012
4/27/2010	15:29:08	0.011
4/27/2010	15:30:08	0.012
4/27/2010	15:31:08	0.012
4/27/2010	15:32:08	0.012
4/27/2010	15:33:08	0.013
4/27/2010	15:34:08	0.013
4/27/2010	15:35:08	0.012
4/27/2010	15:36:08	0.012
4/27/2010	15:37:08	0.012
4/27/2010	15:38:08	0.012
4/27/2010	15:39:08	0.011
4/27/2010	15:40:08	0.012
4/27/2010	15:41:08	0.011
4/27/2010	15:42:08	0.012
4/27/2010	15:43:08	0.012
4/27/2010	15:44:08	0.012
4/27/2010	15:45:08	0.013
4/27/2010	15:46:08	0.013
4/27/2010	15:47:08	0.014
4/27/2010	15:48:08	0.013
4/27/2010	15:49:08	0.013
4/27/2010	15:50:08	0.013
4/27/2010	15:51:08	0.013
4/27/2010	15:52:08	0.013
4/27/2010	15:53:08	0.012
4/27/2010	15:54:08	0.013
4/27/2010	15:55:08	0.013
4/27/2010	15:56:08	0.012
4/27/2010	15:57:08	0.013
4/27/2010	15:58:08	0.013
4/27/2010	15:59:08	0.012

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	1
Test Abbreviation:	
Start Date:	4/27/2010
Start Time:	9:04:29
Duration (dd:hh:mm:ss):	0:06:42:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	402
Notes:	Worksite/nearest property

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.012
Minimum:	0.007
Time of Minimum:	9:36:29
Date of Minimum:	4/27/2010
Maximum:	0.042
Time of Maximum:	15:17:29
Date of Maximum:	4/27/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
4/27/2010	9:05:29	0.021
4/27/2010	9:06:29	0.010
4/27/2010	9:07:29	0.008
4/27/2010	9:08:29	0.009
4/27/2010	9:09:29	0.009
4/27/2010	9:10:29	0.008
4/27/2010	9:11:29	0.011
4/27/2010	9:12:29	0.009
4/27/2010	9:13:29	0.008
4/27/2010	9:14:29	0.009
4/27/2010	9:15:29	0.022
4/27/2010	9:16:29	0.010
4/27/2010	9:17:29	0.009

4/27/2010	9:18:29	0.009
4/27/2010	9:19:29	0.010
4/27/2010	9:20:29	0.009
4/27/2010	9:21:29	0.009
4/27/2010	9:22:29	0.011
4/27/2010	9:23:29	0.021
4/27/2010	9:24:29	0.033
4/27/2010	9:25:29	0.012
4/27/2010	9:26:29	0.008
4/27/2010	9:27:29	0.008
4/27/2010	9:28:29	0.008
4/27/2010	9:29:29	0.008
4/27/2010	9:30:29	0.008
4/27/2010	9:31:29	0.009
4/27/2010	9:32:29	0.008
4/27/2010	9:33:29	0.008
4/27/2010	9:34:29	0.008
4/27/2010	9:35:29	0.008
4/27/2010	9:36:29	0.007
4/27/2010	9:37:29	0.012
4/27/2010	9:38:29	0.013
4/27/2010	9:39:29	0.009
4/27/2010	9:40:29	0.008
4/27/2010	9:41:29	0.008
4/27/2010	9:42:29	0.008
4/27/2010	9:43:29	0.009
4/27/2010	9:44:29	0.007
4/27/2010	9:45:29	0.009
4/27/2010	9:46:29	0.008
4/27/2010	9:47:29	0.008
4/27/2010	9:48:29	0.008
4/27/2010	9:49:29	0.008
4/27/2010	9:50:29	0.009
4/27/2010	9:51:29	0.010
4/27/2010	9:52:29	0.008
4/27/2010	9:53:29	0.008
4/27/2010	9:54:29	0.008
4/27/2010	9:55:29	0.008
4/27/2010	9:56:29	0.009
4/27/2010	9:57:29	0.008
4/27/2010	9:58:29	0.013
4/27/2010	9:59:29	0.019
4/27/2010	10:00:29	0.009
4/27/2010	10:01:29	0.018

4/27/2010	10:02:29	0.011
4/27/2010	10:03:29	0.010
4/27/2010	10:04:29	0.009
4/27/2010	10:05:29	0.009
4/27/2010	10:06:29	0.010
4/27/2010	10:07:29	0.009
4/27/2010	10:08:29	0.010
4/27/2010	10:09:29	0.010
4/27/2010	10:10:29	0.011
4/27/2010	10:11:29	0.010
4/27/2010	10:12:29	0.010
4/27/2010	10:13:29	0.010
4/27/2010	10:14:29	0.011
4/27/2010	10:15:29	0.011
4/27/2010	10:16:29	0.011
4/27/2010	10:17:29	0.011
4/27/2010	10:18:29	0.017
4/27/2010	10:19:29	0.011
4/27/2010	10:20:29	0.012
4/27/2010	10:21:29	0.011
4/27/2010	10:22:29	0.011
4/27/2010	10:23:29	0.010
4/27/2010	10:24:29	0.010
4/27/2010	10:25:29	0.010
4/27/2010	10:26:29	0.011
4/27/2010	10:27:29	0.010
4/27/2010	10:28:29	0.011
4/27/2010	10:29:29	0.011
4/27/2010	10:30:29	0.012
4/27/2010	10:31:29	0.029
4/27/2010	10:32:29	0.016
4/27/2010	10:33:29	0.010
4/27/2010	10:34:29	0.011
4/27/2010	10:35:29	0.011
4/27/2010	10:36:29	0.011
4/27/2010	10:37:29	0.010
4/27/2010	10:38:29	0.010
4/27/2010	10:39:29	0.010
4/27/2010	10:40:29	0.010
4/27/2010	10:41:29	0.011
4/27/2010	10:42:29	0.010
4/27/2010	10:43:29	0.010
4/27/2010	10:44:29	0.010
4/27/2010	10:45:29	0.011

4/27/2010	10:46:29	0.010
4/27/2010	10:47:29	0.010
4/27/2010	10:48:29	0.011
4/27/2010	10:49:29	0.010
4/27/2010	10:50:29	0.012
4/27/2010	10:51:29	0.011
4/27/2010	10:52:29	0.011
4/27/2010	10:53:29	0.011
4/27/2010	10:54:29	0.011
4/27/2010	10:55:29	0.011
4/27/2010	10:56:29	0.011
4/27/2010	10:57:29	0.011
4/27/2010	10:58:29	0.011
4/27/2010	10:59:29	0.010
4/27/2010	11:00:29	0.012
4/27/2010	11:01:29	0.011
4/27/2010	11:02:29	0.011
4/27/2010	11:03:29	0.011
4/27/2010	11:04:29	0.010
4/27/2010	11:05:29	0.010
4/27/2010	11:06:29	0.010
4/27/2010	11:07:29	0.010
4/27/2010	11:08:29	0.010
4/27/2010	11:09:29	0.010
4/27/2010	11:10:29	0.011
4/27/2010	11:11:29	0.010
4/27/2010	11:12:29	0.012
4/27/2010	11:13:29	0.011
4/27/2010	11:14:29	0.011
4/27/2010	11:15:29	0.011
4/27/2010	11:16:29	0.011
4/27/2010	11:17:29	0.011
4/27/2010	11:18:29	0.011
4/27/2010	11:19:29	0.011
4/27/2010	11:20:29	0.010
4/27/2010	11:21:29	0.011
4/27/2010	11:22:29	0.011
4/27/2010	11:23:29	0.012
4/27/2010	11:24:29	0.011
4/27/2010	11:25:29	0.011
4/27/2010	11:26:29	0.012
4/27/2010	11:27:29	0.013
4/27/2010	11:28:29	0.011
4/27/2010	11:29:29	0.011

4/27/2010	11:30:29	0.011
4/27/2010	11:31:29	0.013
4/27/2010	11:32:29	0.013
4/27/2010	11:33:29	0.011
4/27/2010	11:34:29	0.011
4/27/2010	11:35:29	0.011
4/27/2010	11:36:29	0.011
4/27/2010	11:37:29	0.011
4/27/2010	11:38:29	0.012
4/27/2010	11:39:29	0.012
4/27/2010	11:40:29	0.014
4/27/2010	11:41:29	0.014
4/27/2010	11:42:29	0.012
4/27/2010	11:43:29	0.012
4/27/2010	11:44:29	0.012
4/27/2010	11:45:29	0.016
4/27/2010	11:46:29	0.016
4/27/2010	11:47:29	0.021
4/27/2010	11:48:29	0.014
4/27/2010	11:49:29	0.013
4/27/2010	11:50:29	0.017
4/27/2010	11:51:29	0.016
4/27/2010	11:52:29	0.021
4/27/2010	11:53:29	0.012
4/27/2010	11:54:29	0.015
4/27/2010	11:55:29	0.019
4/27/2010	11:56:29	0.016
4/27/2010	11:57:29	0.020
4/27/2010	11:58:29	0.018
4/27/2010	11:59:29	0.015
4/27/2010	12:00:29	0.019
4/27/2010	12:01:29	0.017
4/27/2010	12:02:29	0.013
4/27/2010	12:03:29	0.013
4/27/2010	12:04:29	0.015
4/27/2010	12:05:29	0.013
4/27/2010	12:06:29	0.015
4/27/2010	12:07:29	0.018
4/27/2010	12:08:29	0.013
4/27/2010	12:09:29	0.014
4/27/2010	12:10:29	0.013
4/27/2010	12:11:29	0.013
4/27/2010	12:12:29	0.012
4/27/2010	12:13:29	0.013

4/27/2010	12:14:29	0.013
4/27/2010	12:15:29	0.012
4/27/2010	12:16:29	0.012
4/27/2010	12:17:29	0.012
4/27/2010	12:18:29	0.012
4/27/2010	12:19:29	0.015
4/27/2010	12:20:29	0.012
4/27/2010	12:21:29	0.012
4/27/2010	12:22:29	0.012
4/27/2010	12:23:29	0.012
4/27/2010	12:24:29	0.012
4/27/2010	12:25:29	0.011
4/27/2010	12:26:29	0.011
4/27/2010	12:27:29	0.012
4/27/2010	12:28:29	0.012
4/27/2010	12:29:29	0.012
4/27/2010	12:30:29	0.012
4/27/2010	12:31:29	0.012
4/27/2010	12:32:29	0.023
4/27/2010	12:33:29	0.017
4/27/2010	12:34:29	0.013
4/27/2010	12:35:29	0.015
4/27/2010	12:36:29	0.012
4/27/2010	12:37:29	0.012
4/27/2010	12:38:29	0.013
4/27/2010	12:39:29	0.015
4/27/2010	12:40:29	0.014
4/27/2010	12:41:29	0.013
4/27/2010	12:42:29	0.028
4/27/2010	12:43:29	0.012
4/27/2010	12:44:29	0.011
4/27/2010	12:45:29	0.012
4/27/2010	12:46:29	0.011
4/27/2010	12:47:29	0.014
4/27/2010	12:48:29	0.012
4/27/2010	12:49:29	0.012
4/27/2010	12:50:29	0.012
4/27/2010	12:51:29	0.012
4/27/2010	12:52:29	0.012
4/27/2010	12:53:29	0.010
4/27/2010	12:54:29	0.010
4/27/2010	12:55:29	0.010
4/27/2010	12:56:29	0.010
4/27/2010	12:57:29	0.010

4/27/2010	12:58:29	0.011
4/27/2010	12:59:29	0.011
4/27/2010	13:00:29	0.011
4/27/2010	13:01:29	0.012
4/27/2010	13:02:29	0.010
4/27/2010	13:03:29	0.010
4/27/2010	13:04:29	0.011
4/27/2010	13:05:29	0.011
4/27/2010	13:06:29	0.010
4/27/2010	13:07:29	0.011
4/27/2010	13:08:29	0.010
4/27/2010	13:09:29	0.011
4/27/2010	13:10:29	0.010
4/27/2010	13:11:29	0.011
4/27/2010	13:12:29	0.011
4/27/2010	13:13:29	0.012
4/27/2010	13:14:29	0.010
4/27/2010	13:15:29	0.011
4/27/2010	13:16:29	0.011
4/27/2010	13:17:29	0.011
4/27/2010	13:18:29	0.011
4/27/2010	13:19:29	0.011
4/27/2010	13:20:29	0.011
4/27/2010	13:21:29	0.010
4/27/2010	13:22:29	0.012
4/27/2010	13:23:29	0.012
4/27/2010	13:24:29	0.011
4/27/2010	13:25:29	0.011
4/27/2010	13:26:29	0.010
4/27/2010	13:27:29	0.011
4/27/2010	13:28:29	0.010
4/27/2010	13:29:29	0.011
4/27/2010	13:30:29	0.011
4/27/2010	13:31:29	0.012
4/27/2010	13:32:29	0.011
4/27/2010	13:33:29	0.021
4/27/2010	13:34:29	0.013
4/27/2010	13:35:29	0.013
4/27/2010	13:36:29	0.011
4/27/2010	13:37:29	0.011
4/27/2010	13:38:29	0.011
4/27/2010	13:39:29	0.012
4/27/2010	13:40:29	0.011
4/27/2010	13:41:29	0.012

4/27/2010	13:42:29	0.011
4/27/2010	13:43:29	0.011
4/27/2010	13:44:29	0.011
4/27/2010	13:45:29	0.012
4/27/2010	13:46:29	0.018
4/27/2010	13:47:29	0.012
4/27/2010	13:48:29	0.012
4/27/2010	13:49:29	0.012
4/27/2010	13:50:29	0.014
4/27/2010	13:51:29	0.020
4/27/2010	13:52:29	0.033
4/27/2010	13:53:29	0.022
4/27/2010	13:54:29	0.013
4/27/2010	13:55:29	0.012
4/27/2010	13:56:29	0.012
4/27/2010	13:57:29	0.012
4/27/2010	13:58:29	0.012
4/27/2010	13:59:29	0.014
4/27/2010	14:00:29	0.013
4/27/2010	14:01:29	0.013
4/27/2010	14:02:29	0.013
4/27/2010	14:03:29	0.012
4/27/2010	14:04:29	0.012
4/27/2010	14:05:29	0.011
4/27/2010	14:06:29	0.011
4/27/2010	14:07:29	0.011
4/27/2010	14:08:29	0.011
4/27/2010	14:09:29	0.011
4/27/2010	14:10:29	0.010
4/27/2010	14:11:29	0.011
4/27/2010	14:12:29	0.010
4/27/2010	14:13:29	0.010
4/27/2010	14:14:29	0.010
4/27/2010	14:15:29	0.009
4/27/2010	14:16:29	0.010
4/27/2010	14:17:29	0.010
4/27/2010	14:18:29	0.010
4/27/2010	14:19:29	0.010
4/27/2010	14:20:29	0.010
4/27/2010	14:21:29	0.011
4/27/2010	14:22:29	0.011
4/27/2010	14:23:29	0.011
4/27/2010	14:24:29	0.011
4/27/2010	14:25:29	0.011

4/27/2010	14:26:29	0.011
4/27/2010	14:27:29	0.011
4/27/2010	14:28:29	0.011
4/27/2010	14:29:29	0.011
4/27/2010	14:30:29	0.010
4/27/2010	14:31:29	0.010
4/27/2010	14:32:29	0.010
4/27/2010	14:33:29	0.014
4/27/2010	14:34:29	0.010
4/27/2010	14:35:29	0.011
4/27/2010	14:36:29	0.013
4/27/2010	14:37:29	0.011
4/27/2010	14:38:29	0.011
4/27/2010	14:39:29	0.011
4/27/2010	14:40:29	0.011
4/27/2010	14:41:29	0.013
4/27/2010	14:42:29	0.010
4/27/2010	14:43:29	0.011
4/27/2010	14:44:29	0.010
4/27/2010	14:45:29	0.011
4/27/2010	14:46:29	0.012
4/27/2010	14:47:29	0.014
4/27/2010	14:48:29	0.010
4/27/2010	14:49:29	0.011
4/27/2010	14:50:29	0.015
4/27/2010	14:51:29	0.011
4/27/2010	14:52:29	0.011
4/27/2010	14:53:29	0.010
4/27/2010	14:54:29	0.018
4/27/2010	14:55:29	0.010
4/27/2010	14:56:29	0.010
4/27/2010	14:57:29	0.010
4/27/2010	14:58:29	0.010
4/27/2010	14:59:29	0.010
4/27/2010	15:00:29	0.010
4/27/2010	15:01:29	0.011
4/27/2010	15:02:29	0.010
4/27/2010	15:03:29	0.010
4/27/2010	15:04:29	0.015
4/27/2010	15:05:29	0.011
4/27/2010	15:06:29	0.011
4/27/2010	15:07:29	0.012
4/27/2010	15:08:29	0.014
4/27/2010	15:09:29	0.015

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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4/27/2010	15:10:29	0.010
4/27/2010	15:11:29	0.011
4/27/2010	15:12:29	0.010
4/27/2010	15:13:29	0.010
4/27/2010	15:14:29	0.010
4/27/2010	15:15:29	0.012
4/27/2010	15:16:29	0.012
4/27/2010	15:17:29	0.042
4/27/2010	15:18:29	0.010
4/27/2010	15:19:29	0.011
4/27/2010	15:20:29	0.009
4/27/2010	15:21:29	0.009
4/27/2010	15:22:29	0.010
4/27/2010	15:23:29	0.010
4/27/2010	15:24:29	0.014
4/27/2010	15:25:29	0.010
4/27/2010	15:26:29	0.010
4/27/2010	15:27:29	0.010
4/27/2010	15:28:29	0.011
4/27/2010	15:29:29	0.009
4/27/2010	15:30:29	0.012
4/27/2010	15:31:29	0.015
4/27/2010	15:32:29	0.015
4/27/2010	15:33:29	0.010
4/27/2010	15:34:29	0.011
4/27/2010	15:35:29	0.010
4/27/2010	15:36:29	0.013
4/27/2010	15:37:29	0.009
4/27/2010	15:38:29	0.009
4/27/2010	15:39:29	0.009
4/27/2010	15:40:29	0.011
4/27/2010	15:41:29	0.012
4/27/2010	15:42:29	0.011
4/27/2010	15:43:29	0.016
4/27/2010	15:44:29	0.013
4/27/2010	15:45:29	0.010
4/27/2010	15:46:29	0.009

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_001
Test Start Time	9:23:50 AM
Test Start Date	4/27/2010
Test Length [D:H:M]	0:03:16
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.04
Mass Minimum [mg/m3]	0.027
Mass Maximum [mg/m3]	0.078
Mass TWA [mg/m3]	0.016
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	196

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.068		
120	0.069		
180	0.055		
240	0.045		
300	0.045		
360	0.038		
420	0.045		
480	0.040		
540	0.047		
600	0.047		
660	0.050		
720	0.051		
780	0.038		
840	0.037		
900	0.036		
960	0.037		
1020	0.037		
1080	0.037		
1140	0.037		
1200	0.042		
1260	0.037		
1320	0.035		
1380	0.035		
1440	0.035		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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1500	0.035		
1560	0.036		
1620	0.035		
1680	0.035		
1740	0.035		
1800	0.037		
1860	0.038		
1920	0.039		
1980	0.038		
2040	0.037		
2100	0.036		
2160	0.038		
2220	0.038		
2280	0.037		
2340	0.036		
2400	0.037		
2460	0.038		
2520	0.040		
2580	0.039		
2640	0.039		
2700	0.039		
2760	0.040		
2820	0.042		
2880	0.040		
2940	0.042		
3000	0.044		
3060	0.047		
3120	0.041		
3180	0.042		
3240	0.070		
3300	0.043		
3360	0.042		
3420	0.052		
3480	0.049		
3540	0.043		
3600	0.039		
3660	0.038		
3720	0.041		
3780	0.041		
3840	0.039		
3900	0.044		
3960	0.042		
4020	0.054		
4080	0.047		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

4140	0.041		
4200	0.048		
4260	0.042		
4320	0.041		
4380	0.043		
4440	0.037		
4500	0.047		
4560	0.050		
4620	0.039		
4680	0.040		
4740	0.038		
4800	0.034		
4860	0.036		
4920	0.041		
4980	0.042		
5040	0.037		
5100	0.039		
5160	0.045		
5220	0.035		
5280	0.036		
5340	0.035		
5400	0.035		
5460	0.035		
5520	0.035		
5580	0.035		
5640	0.035		
5700	0.038		
5760	0.072		
5820	0.042		
5880	0.042		
5940	0.044		
6000	0.042		
6060	0.043		
6120	0.055		
6180	0.046		
6240	0.044		
6300	0.048		
6360	0.042		
6420	0.048		
6480	0.048		
6540	0.048		
6600	0.045		
6660	0.055		
6720	0.041		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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6780	0.039		
6840	0.053		
6900	0.042		
6960	0.044		
7020	0.041		
7080	0.042		
7140	0.041		
7200	0.041		
7260	0.041		
7320	0.040		
7380	0.040		
7440	0.041		
7500	0.040		
7560	0.036		
7620	0.033		
7680	0.032		
7740	0.033		
7800	0.033		
7860	0.032		
7920	0.032		
7980	0.033		
8040	0.033		
8100	0.035		
8160	0.037		
8220	0.034		
8280	0.037		
8340	0.036		
8400	0.037		
8460	0.036		
8520	0.038		
8580	0.035		
8640	0.040		
8700	0.035		
8760	0.038		
8820	0.038		
8880	0.038		
8940	0.036		
9000	0.038		
9060	0.037		
9120	0.037		
9180	0.036		
9240	0.034		
9300	0.036		2
9360	0.040		2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

9420	0.032		
9480	0.035		2
9540	0.039		2
9600	0.035		2
9660	0.033		2
9720	0.034		2
9780	0.032		2
9840	0.031		
9900	0.032		2
9960	0.033		
10020	0.032		2
10080	0.032		2
10140	0.031		2
10200	0.029		2
10260	0.031		2
10320	0.033		2
10380	0.035		2
10440	0.036		2
10500	0.037		2
10560	0.034		2
10620	0.032		2
10680	0.032		2
10740	0.029		2
10800	0.031		2
10860	0.030		2
10920	0.027		2
10980	0.030		
11040	0.040		2
11100	0.032		2
11160	0.035		2
11220	0.033		2
11280	0.031		2
11340	0.032		2
11400	0.035		2
11460	0.051		2
11520	0.050		2
11580	0.044		2
11640	0.039		2
11700	0.041		2
11760	0.078		2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_002
Test Start Time	1:01:16 PM
Test Start Date	4/27/2010
Test Length [D:H:M]	0:00:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.037
Mass Minimum [mg/m3]	0.031
Mass Maximum [mg/m3]	0.047
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.037		2
120	0.036		2
180	0.031		2
240	0.034		2
300	0.036		2
360	0.034		2
420	0.041		2
480	0.036		2
540	0.039		2
600	0.038		2
660	0.047		2
720	0.043		2
780	0.034		2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_003
Test Start Time	1:36:29 PM
Test Start Date	4/27/2010
Test Length [D:H:M]	0:00:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.041
Mass Minimum [mg/m3]	0.036
Mass Maximum [mg/m3]	0.046
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.036		2
120	0.036		2
180	0.046		2
240	0.042		2
300	0.037		2
360	0.045		2
420	0.044		2
480	0.041		2
540	0.040		2
600	0.036		2
660	0.041		2
720	0.040		2
780	0.046		2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_004
Test Start Time	2:00:52 PM
Test Start Date	4/27/2010
Test Length [D:H:M]	0:00:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.037
Mass Minimum [mg/m3]	0.031
Mass Maximum [mg/m3]	0.041
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.034		2
120	0.031		2
180	0.037		2
240	0.040		2
300	0.040		2
360	0.037		2
420	0.037		2
480	0.037		2
540	0.041		2
600	0.036		2
660	0.040		2
720	0.035		2
780	0.041		2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_005
Test Start Time	2:32:51 PM
Test Start Date	4/27/2010
Test Length [D:H:M]	0:00:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.034
Mass Minimum [mg/m3]	0.029
Mass Maximum [mg/m3]	0.042
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.036		2
120	0.029		2
180	0.038		2
240	0.030		2
300	0.031		2
360	0.042		2
420	0.035		2
480	0.030		2
540	0.032		2
600	0.032		2
660	0.035		2
720	0.035		2
780	0.032		2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 27, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_006
Test Start Time	3:03:32 PM
Test Start Date	4/27/2010
Test Length [D:H:M]	0:00:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.044
Mass Minimum [mg/m3]	0.038
Mass Maximum [mg/m3]	0.064
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.043		2
120	0.044		2
180	0.040		2
240	0.038		2
300	0.049		2
360	0.039		2
420	0.040		2
480	0.041		2
540	0.040		2
600	0.046		2
660	0.064		2
720	0.046		2
780	0.042		2

Former Reliable Truss (246 River Road) Daily Construction/Excavation Monitoring Summary

Date: 4/28/2010

Weather: ~43 F, sunny calm, turning to rain around 1130

Activity: Grubbing

Location	Unit ID	Time	Average	Minimum	Maximum	Comments
UPWIND	85202130	0836	0.003	0.001	0.005	Started at ~0750, was logging at 1 sec intervals
ON SITE	85202244	0833	0.004	0.001	0.041	Started at ~0729
DOWN WIND	85300952502	0841	0.016	0.011	0.049	Started at ~0757, no 10 micron filter installed
UPWIND		0901	0.003	0.001	0.007	Now logging in 1 min intervals, (Test ID 2)
ON SITE		0908	0.004	0.001	0.041	
DOWN WIND		0904	0.017	0.011	0.049	Data logging stopped, data from MANUAL_001
UPWIND		0939	0.003	-0.001	0.041	
ON SITE		1002	0.004	0.001	0.041	
DOWN WIND		0942	0.016	0.013	0.019	Data logging stopped, data from MANUAL_002
UPWIND		1019	0.003	-0.001	0.041	
ON SITE		1022	0.004	0.001	0.041	
DOWN WIND		1015				Data logging stopped, didn't retrieve data from MANUAL_003
UPWIND		1102	0.004	-0.001	0.082	
ON SITE						Didn't look at stats this round
DOWN WIND		1104	0.022	0.020	0.027	Data logging stopped, data from MANUAL_004
UPWIND		1130				Raining hard, did not look at stats
ON SITE		1130				Raining hard, did not look at stats
DOWN WIND		1130				Raining hard, did not look at stats

NOTES

Intermittent hard rain throughout the day. I took down DustTraks at about 1130 and did not reset them due to the rain.

The downwind DustTrak did not have a 10 micron filter installed, and was stopping logging every 13 minutes.

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 28, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	2
Test Abbreviation:	
Start Date:	4/28/2010
Start Time:	8:37:54
Duration (dd:hh:mm:ss):	0:02:46:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	166
Notes:	Upwind, First 45 minutes not included in file due to 1 second log times. Average during this time was 0.003 mg/m^3, maximum was 0.46 mg/m^3.

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.003
Minimum:	0.002
Time of Minimum:	9:00:54
Date of Minimum:	4/28/2010
Maximum:	0.017
Time of Maximum:	10:45:54
Date of Maximum:	4/28/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
4/28/2010	8:38:54	0.003
4/28/2010	8:39:54	0.003
4/28/2010	8:40:54	0.003
4/28/2010	8:41:54	0.003
4/28/2010	8:42:54	0.003
4/28/2010	8:43:54	0.003
4/28/2010	8:44:54	0.004
4/28/2010	8:45:54	0.003
4/28/2010	8:46:54	0.003
4/28/2010	8:47:54	0.003
4/28/2010	8:48:54	0.004
4/28/2010	8:49:54	0.003
4/28/2010	8:50:54	0.003

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 28, 2010

4/28/2010	8:51:54	0.003
4/28/2010	8:52:54	0.003
4/28/2010	8:53:54	0.004
4/28/2010	8:54:54	0.003
4/28/2010	8:55:54	0.003
4/28/2010	8:56:54	0.003
4/28/2010	8:57:54	0.003
4/28/2010	8:58:54	0.003
4/28/2010	8:59:54	0.003
4/28/2010	9:00:54	0.002
4/28/2010	9:01:54	0.003
4/28/2010	9:02:54	0.003
4/28/2010	9:03:54	0.003
4/28/2010	9:04:54	0.003
4/28/2010	9:05:54	0.004
4/28/2010	9:06:54	0.004
4/28/2010	9:07:54	0.004
4/28/2010	9:08:54	0.004
4/28/2010	9:09:54	0.004
4/28/2010	9:10:54	0.003
4/28/2010	9:11:54	0.003
4/28/2010	9:12:54	0.003
4/28/2010	9:13:54	0.004
4/28/2010	9:14:54	0.004
4/28/2010	9:15:54	0.007
4/28/2010	9:16:54	0.004
4/28/2010	9:17:54	0.003
4/28/2010	9:18:54	0.003
4/28/2010	9:19:54	0.003
4/28/2010	9:20:54	0.003
4/28/2010	9:21:54	0.004
4/28/2010	9:22:54	0.003
4/28/2010	9:23:54	0.003
4/28/2010	9:24:54	0.004
4/28/2010	9:25:54	0.003
4/28/2010	9:26:54	0.003
4/28/2010	9:27:54	0.003
4/28/2010	9:28:54	0.003
4/28/2010	9:29:54	0.003
4/28/2010	9:30:54	0.003
4/28/2010	9:31:54	0.003
4/28/2010	9:32:54	0.004
4/28/2010	9:33:54	0.003
4/28/2010	9:34:54	0.003

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 28, 2010

4/28/2010	9:35:54	0.010
4/28/2010	9:36:54	0.004
4/28/2010	9:37:54	0.004
4/28/2010	9:38:54	0.005
4/28/2010	9:39:54	0.004
4/28/2010	9:40:54	0.004
4/28/2010	9:41:54	0.004
4/28/2010	9:42:54	0.004
4/28/2010	9:43:54	0.003
4/28/2010	9:44:54	0.003
4/28/2010	9:45:54	0.004
4/28/2010	9:46:54	0.004
4/28/2010	9:47:54	0.004
4/28/2010	9:48:54	0.004
4/28/2010	9:49:54	0.004
4/28/2010	9:50:54	0.003
4/28/2010	9:51:54	0.003
4/28/2010	9:52:54	0.003
4/28/2010	9:53:54	0.003
4/28/2010	9:54:54	0.003
4/28/2010	9:55:54	0.004
4/28/2010	9:56:54	0.003
4/28/2010	9:57:54	0.003
4/28/2010	9:58:54	0.003
4/28/2010	9:59:54	0.003
4/28/2010	10:00:54	0.003
4/28/2010	10:01:54	0.004
4/28/2010	10:02:54	0.003
4/28/2010	10:03:54	0.002
4/28/2010	10:04:54	0.003
4/28/2010	10:05:54	0.002
4/28/2010	10:06:54	0.002
4/28/2010	10:07:54	0.002
4/28/2010	10:08:54	0.002
4/28/2010	10:09:54	0.002
4/28/2010	10:10:54	0.002
4/28/2010	10:11:54	0.002
4/28/2010	10:12:54	0.002
4/28/2010	10:13:54	0.002
4/28/2010	10:14:54	0.003
4/28/2010	10:15:54	0.003
4/28/2010	10:16:54	0.002
4/28/2010	10:17:54	0.003
4/28/2010	10:18:54	0.002

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 28, 2010

4/28/2010	10:19:54	0.003
4/28/2010	10:20:54	0.003
4/28/2010	10:21:54	0.002
4/28/2010	10:22:54	0.003
4/28/2010	10:23:54	0.002
4/28/2010	10:24:54	0.002
4/28/2010	10:25:54	0.003
4/28/2010	10:26:54	0.003
4/28/2010	10:27:54	0.003
4/28/2010	10:28:54	0.002
4/28/2010	10:29:54	0.003
4/28/2010	10:30:54	0.003
4/28/2010	10:31:54	0.002
4/28/2010	10:32:54	0.003
4/28/2010	10:33:54	0.003
4/28/2010	10:34:54	0.002
4/28/2010	10:35:54	0.003
4/28/2010	10:36:54	0.003
4/28/2010	10:37:54	0.002
4/28/2010	10:38:54	0.003
4/28/2010	10:39:54	0.003
4/28/2010	10:40:54	0.002
4/28/2010	10:41:54	0.002
4/28/2010	10:42:54	0.002
4/28/2010	10:43:54	0.002
4/28/2010	10:44:54	0.003
4/28/2010	10:45:54	0.017
4/28/2010	10:46:54	0.002
4/28/2010	10:47:54	0.002
4/28/2010	10:48:54	0.002
4/28/2010	10:49:54	0.002
4/28/2010	10:50:54	0.003
4/28/2010	10:51:54	0.003
4/28/2010	10:52:54	0.002
4/28/2010	10:53:54	0.003
4/28/2010	10:54:54	0.002
4/28/2010	10:55:54	0.006
4/28/2010	10:56:54	0.002
4/28/2010	10:57:54	0.003
4/28/2010	10:58:54	0.005
4/28/2010	10:59:54	0.003
4/28/2010	11:00:54	0.004
4/28/2010	11:01:54	0.003
4/28/2010	11:02:54	0.002

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
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4/28/2010	11:03:54	0.004
4/28/2010	11:04:54	0.003
4/28/2010	11:05:54	0.003
4/28/2010	11:06:54	0.003
4/28/2010	11:07:54	0.004
4/28/2010	11:08:54	0.004
4/28/2010	11:09:54	0.003
4/28/2010	11:10:54	0.003
4/28/2010	11:11:54	0.003
4/28/2010	11:12:54	0.003
4/28/2010	11:13:54	0.002
4/28/2010	11:14:54	0.003
4/28/2010	11:15:54	0.003
4/28/2010	11:16:54	0.004
4/28/2010	11:17:54	0.004
4/28/2010	11:18:54	0.003
4/28/2010	11:19:54	0.003
4/28/2010	11:20:54	0.003
4/28/2010	11:21:54	0.004
4/28/2010	11:22:54	0.003
4/28/2010	11:23:54	0.002

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 28, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	1
Test Abbreviation:	
Start Date:	4/28/2010
Start Time:	7:30:09
Duration (dd:hh:mm:ss):	0:04:04:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	244
Notes:	Worksite/Nearest Property

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.003
Minimum:	0.001
Time of Minimum:	7:36:09
Date of Minimum:	4/28/2010
Maximum:	0.012
Time of Maximum:	8:04:09
Date of Maximum:	4/28/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
4/28/2010	7:31:09	0.004
4/28/2010	7:32:09	0.002
4/28/2010	7:33:09	0.002
4/28/2010	7:34:09	0.002
4/28/2010	7:35:09	0.002
4/28/2010	7:36:09	0.001
4/28/2010	7:37:09	0.001
4/28/2010	7:38:09	0.001
4/28/2010	7:39:09	0.002
4/28/2010	7:40:09	0.004
4/28/2010	7:41:09	0.003
4/28/2010	7:42:09	0.004
4/28/2010	7:43:09	0.004

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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4/28/2010	7:44:09	0.004
4/28/2010	7:45:09	0.003
4/28/2010	7:46:09	0.005
4/28/2010	7:47:09	0.004
4/28/2010	7:48:09	0.003
4/28/2010	7:49:09	0.003
4/28/2010	7:50:09	0.003
4/28/2010	7:51:09	0.003
4/28/2010	7:52:09	0.004
4/28/2010	7:53:09	0.004
4/28/2010	7:54:09	0.003
4/28/2010	7:55:09	0.003
4/28/2010	7:56:09	0.004
4/28/2010	7:57:09	0.004
4/28/2010	7:58:09	0.004
4/28/2010	7:59:09	0.004
4/28/2010	8:00:09	0.004
4/28/2010	8:01:09	0.004
4/28/2010	8:02:09	0.004
4/28/2010	8:03:09	0.004
4/28/2010	8:04:09	0.012
4/28/2010	8:05:09	0.005
4/28/2010	8:06:09	0.012
4/28/2010	8:07:09	0.004
4/28/2010	8:08:09	0.004
4/28/2010	8:09:09	0.004
4/28/2010	8:10:09	0.004
4/28/2010	8:11:09	0.004
4/28/2010	8:12:09	0.004
4/28/2010	8:13:09	0.004
4/28/2010	8:14:09	0.004
4/28/2010	8:15:09	0.004
4/28/2010	8:16:09	0.004
4/28/2010	8:17:09	0.004
4/28/2010	8:18:09	0.004
4/28/2010	8:19:09	0.004
4/28/2010	8:20:09	0.004
4/28/2010	8:21:09	0.004
4/28/2010	8:22:09	0.004
4/28/2010	8:23:09	0.004
4/28/2010	8:24:09	0.004
4/28/2010	8:25:09	0.004
4/28/2010	8:26:09	0.004
4/28/2010	8:27:09	0.004

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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4/28/2010	8:28:09	0.004
4/28/2010	8:29:09	0.004
4/28/2010	8:30:09	0.005
4/28/2010	8:31:09	0.004
4/28/2010	8:32:09	0.004
4/28/2010	8:33:09	0.004
4/28/2010	8:34:09	0.004
4/28/2010	8:35:09	0.004
4/28/2010	8:36:09	0.004
4/28/2010	8:37:09	0.004
4/28/2010	8:38:09	0.004
4/28/2010	8:39:09	0.004
4/28/2010	8:40:09	0.004
4/28/2010	8:41:09	0.004
4/28/2010	8:42:09	0.004
4/28/2010	8:43:09	0.004
4/28/2010	8:44:09	0.004
4/28/2010	8:45:09	0.005
4/28/2010	8:46:09	0.003
4/28/2010	8:47:09	0.004
4/28/2010	8:48:09	0.003
4/28/2010	8:49:09	0.004
4/28/2010	8:50:09	0.003
4/28/2010	8:51:09	0.004
4/28/2010	8:52:09	0.004
4/28/2010	8:53:09	0.004
4/28/2010	8:54:09	0.004
4/28/2010	8:55:09	0.004
4/28/2010	8:56:09	0.004
4/28/2010	8:57:09	0.004
4/28/2010	8:58:09	0.004
4/28/2010	8:59:09	0.004
4/28/2010	9:00:09	0.003
4/28/2010	9:01:09	0.004
4/28/2010	9:02:09	0.003
4/28/2010	9:03:09	0.003
4/28/2010	9:04:09	0.003
4/28/2010	9:05:09	0.003
4/28/2010	9:06:09	0.003
4/28/2010	9:07:09	0.003
4/28/2010	9:08:09	0.003
4/28/2010	9:09:09	0.003
4/28/2010	9:10:09	0.005
4/28/2010	9:11:09	0.003

4/28/2010	9:12:09	0.003
4/28/2010	9:13:09	0.003
4/28/2010	9:14:09	0.003
4/28/2010	9:15:09	0.003
4/28/2010	9:16:09	0.003
4/28/2010	9:17:09	0.003
4/28/2010	9:18:09	0.003
4/28/2010	9:19:09	0.003
4/28/2010	9:20:09	0.003
4/28/2010	9:21:09	0.003
4/28/2010	9:22:09	0.003
4/28/2010	9:23:09	0.003
4/28/2010	9:24:09	0.003
4/28/2010	9:25:09	0.003
4/28/2010	9:26:09	0.004
4/28/2010	9:27:09	0.003
4/28/2010	9:28:09	0.003
4/28/2010	9:29:09	0.003
4/28/2010	9:30:09	0.003
4/28/2010	9:31:09	0.003
4/28/2010	9:32:09	0.003
4/28/2010	9:33:09	0.003
4/28/2010	9:34:09	0.003
4/28/2010	9:35:09	0.003
4/28/2010	9:36:09	0.003
4/28/2010	9:37:09	0.004
4/28/2010	9:38:09	0.003
4/28/2010	9:39:09	0.004
4/28/2010	9:40:09	0.003
4/28/2010	9:41:09	0.003
4/28/2010	9:42:09	0.003
4/28/2010	9:43:09	0.003
4/28/2010	9:44:09	0.003
4/28/2010	9:45:09	0.003
4/28/2010	9:46:09	0.003
4/28/2010	9:47:09	0.004
4/28/2010	9:48:09	0.003
4/28/2010	9:49:09	0.004
4/28/2010	9:50:09	0.003
4/28/2010	9:51:09	0.003
4/28/2010	9:52:09	0.003
4/28/2010	9:53:09	0.003
4/28/2010	9:54:09	0.003
4/28/2010	9:55:09	0.003

4/28/2010	9:56:09	0.003
4/28/2010	9:57:09	0.003
4/28/2010	9:58:09	0.003
4/28/2010	9:59:09	0.003
4/28/2010	10:00:09	0.003
4/28/2010	10:01:09	0.004
4/28/2010	10:02:09	0.003
4/28/2010	10:03:09	0.003
4/28/2010	10:04:09	0.003
4/28/2010	10:05:09	0.003
4/28/2010	10:06:09	0.003
4/28/2010	10:07:09	0.003
4/28/2010	10:08:09	0.003
4/28/2010	10:09:09	0.003
4/28/2010	10:10:09	0.003
4/28/2010	10:11:09	0.003
4/28/2010	10:12:09	0.002
4/28/2010	10:13:09	0.003
4/28/2010	10:14:09	0.003
4/28/2010	10:15:09	0.003
4/28/2010	10:16:09	0.003
4/28/2010	10:17:09	0.003
4/28/2010	10:18:09	0.003
4/28/2010	10:19:09	0.003
4/28/2010	10:20:09	0.003
4/28/2010	10:21:09	0.003
4/28/2010	10:22:09	0.003
4/28/2010	10:23:09	0.003
4/28/2010	10:24:09	0.003
4/28/2010	10:25:09	0.003
4/28/2010	10:26:09	0.003
4/28/2010	10:27:09	0.002
4/28/2010	10:28:09	0.003
4/28/2010	10:29:09	0.003
4/28/2010	10:30:09	0.002
4/28/2010	10:31:09	0.003
4/28/2010	10:32:09	0.003
4/28/2010	10:33:09	0.003
4/28/2010	10:34:09	0.003
4/28/2010	10:35:09	0.003
4/28/2010	10:36:09	0.002
4/28/2010	10:37:09	0.006
4/28/2010	10:38:09	0.003
4/28/2010	10:39:09	0.003

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 28, 2010

4/28/2010	10:40:09	0.002
4/28/2010	10:41:09	0.003
4/28/2010	10:42:09	0.003
4/28/2010	10:43:09	0.002
4/28/2010	10:44:09	0.003
4/28/2010	10:45:09	0.003
4/28/2010	10:46:09	0.003
4/28/2010	10:47:09	0.002
4/28/2010	10:48:09	0.002
4/28/2010	10:49:09	0.002
4/28/2010	10:50:09	0.003
4/28/2010	10:51:09	0.004
4/28/2010	10:52:09	0.003
4/28/2010	10:53:09	0.003
4/28/2010	10:54:09	0.002
4/28/2010	10:55:09	0.003
4/28/2010	10:56:09	0.002
4/28/2010	10:57:09	0.004
4/28/2010	10:58:09	0.003
4/28/2010	10:59:09	0.003
4/28/2010	11:00:09	0.003
4/28/2010	11:01:09	0.005
4/28/2010	11:02:09	0.003
4/28/2010	11:03:09	0.003
4/28/2010	11:04:09	0.003
4/28/2010	11:05:09	0.003
4/28/2010	11:06:09	0.002
4/28/2010	11:07:09	0.002
4/28/2010	11:08:09	0.002
4/28/2010	11:09:09	0.003
4/28/2010	11:10:09	0.003
4/28/2010	11:11:09	0.003
4/28/2010	11:12:09	0.003
4/28/2010	11:13:09	0.003
4/28/2010	11:14:09	0.003
4/28/2010	11:15:09	0.003
4/28/2010	11:16:09	0.003
4/28/2010	11:17:09	0.002
4/28/2010	11:18:09	0.002
4/28/2010	11:19:09	0.003
4/28/2010	11:20:09	0.003
4/28/2010	11:21:09	0.002
4/28/2010	11:22:09	0.003
4/28/2010	11:23:09	0.002

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 28, 2010

4/28/2010	11:24:09	0.002
4/28/2010	11:25:09	0.002
4/28/2010	11:26:09	0.003
4/28/2010	11:27:09	0.003
4/28/2010	11:28:09	0.002
4/28/2010	11:29:09	0.003
4/28/2010	11:30:09	0.003
4/28/2010	11:31:09	0.002
4/28/2010	11:32:09	0.003
4/28/2010	11:33:09	0.002
4/28/2010	11:34:09	0.002

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 28, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_001
Test Start Time	7:55:19 AM
Test Start Date	4/28/2010
Test Length [D:H:M]	0:00:45
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.017
Mass Minimum [mg/m3]	0.011
Mass Maximum [mg/m3]	0.049
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	45

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.018		2
120	0.019		2
180	0.017		2
240	0.017		2
300	0.016		2
360	0.016		2
420	0.019		
480	0.018		
540	0.017		2
600	0.017		
660	0.015		
720	0.016		2
780	0.024		2
840	0.02		
900	0.022		2
960	0.022		2
1020	0.015		
1080	0.014		2
1140	0.014		2
1200	0.014		2
1260	0.012		2
1320	0.012		
1380	0.013		2
1440	0.013		2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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1500	0.014		2
1560	0.012		
1620	0.013		2
1680	0.012		2
1740	0.015		
1800	0.013		2
1860	0.013		2
1920	0.016		2
1980	0.015		2
2040	0.014		2
2100	0.016		2
2160	0.017		2
2220	0.012		2
2280	0.011		2
2340	0.011		2
2400	0.013		2
2460	0.019		2
2520	0.022		2
2580	0.049		2
2640	0.02		2
2700	0.026		2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 28, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_002
Test Start Time	9:01:41 AM
Test Start Date	4/28/2010
Test Length [D:H:M]	0:00:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.016
Mass Minimum [mg/m3]	0.013
Mass Maximum [mg/m3]	0.019
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.018		2
120	0.015		2
180	0.014		2
240	0.019		2
300	0.017		2
360	0.013		2
420	0.013		2
480	0.019		2
540	0.014		2
600	0.015		2
660	0.018		2
720	0.013		2
780	0.015		2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 28, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_003
Test Start Time	10:14:45 AM
Test Start Date	4/28/2010
Test Length [D:H:M]	0:00:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.022
Mass Minimum [mg/m3]	0.02
Mass Maximum [mg/m3]	0.027
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.023		2
120	0.022		2
180	0.027		2
240	0.021		2
300	0.02		2
360	0.021		2
420	0.022		2
480	0.02		2
540	0.021		2
600	0.021		2
660	0.02		2
720	0.024		2
780	0.02		2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 28, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_004
Test Start Time	11:01:06 AM
Test Start Date	4/28/2010
Test Length [D:H:M]	0:00:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.02
Mass Minimum [mg/m3]	0.016
Mass Maximum [mg/m3]	0.034
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.024		2
120	0.018		2
180	0.02		2
240	0.018		2
300	0.016		2
360	0.018		2
420	0.016		2
480	0.016		2
540	0.016		2
600	0.018		2
660	0.02		2
720	0.024		2
780	0.034		2

Former Reliable Truss (246 River Road) Daily Construction/Excavation Monitoring Summary

Date: 4/29/2010

Weather: mid 40s, partly cloudy, light NW->SE breenze

Activity: Grubbing

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	85202130	0939	0.011	0.005	0.050	Started at ~744
ON SITE	85202244	0938	0.010	0.006	0.863	Started at ~740, note hammering of concrete next to unit
DOWN WIND	85300952502	0946	0.002	0.000	0.001	Started at ~0815, 10 micron filter now installed
UPWIND		1033	0.001	0.005	0.050	Changed battery, starting Test ID 2
ON SITE		1035	0.010	0.005	0.863	
DOWN WIND		1037	0.002	0.000	0.020	
UPWIND		1134	0.014	0.011	0.140	
ON SITE		1133	0.017	0.005	3.42	
DOWN WIND		1138	0.002	0.000	0.020	
UPWIND		1204	0.014	0.011	0.140	
ON SITE		1203	0.016	0.005	3.42	
DOWN WIND		1207	0.001	0.000	0.020	
UPWIND		1300	0.014	0.011	0.140	
ON SITE		1259	0.016	0.005	3.42	
DOWN WIND		1304	0.002	0.000	0.032	
UPWIND		~1545				DustTraks taken down, did not look at stats
ON SITE		~1545				DustTraks taken down, did not look at stats
DOWN WIND		~1545				DustTraks taken down, did not look at stats

NOTES

10 micron filter istalled on downwind DustTrak and flow rate set to 1.7 LPM (was around 3.0 LPM)

Wind was quite strong by the end of the day (gusts of 30-40 mph). Dust was generated, and dust suppression (calcium chloride) will be applied tomorrow.

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	1
Test Abbreviation:	
Start Date:	4/29/2010
Start Time:	7:43:10
Duration (dd:hh:mm:ss):	0:02:49:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	169
Notes:	Upwind

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.011
Minimum:	0.006
Time of Minimum:	7:45:10
Date of Minimum:	4/29/2010
Maximum:	0.019
Time of Maximum:	9:39:10
Date of Maximum:	4/29/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
4/29/2010	7:44:10	0.007
4/29/2010	7:45:10	0.006
4/29/2010	7:46:10	0.007
4/29/2010	7:47:10	0.009
4/29/2010	7:48:10	0.009
4/29/2010	7:49:10	0.008
4/29/2010	7:50:10	0.008
4/29/2010	7:51:10	0.009
4/29/2010	7:52:10	0.008
4/29/2010	7:53:10	0.008
4/29/2010	7:54:10	0.008
4/29/2010	7:55:10	0.008
4/29/2010	7:56:10	0.009

Dust Monitoring Data - Upwind
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4/29/2010	7:57:10	0.009
4/29/2010	7:58:10	0.010
4/29/2010	7:59:10	0.009
4/29/2010	8:00:10	0.009
4/29/2010	8:01:10	0.009
4/29/2010	8:02:10	0.009
4/29/2010	8:03:10	0.010
4/29/2010	8:04:10	0.009
4/29/2010	8:05:10	0.009
4/29/2010	8:06:10	0.010
4/29/2010	8:07:10	0.010
4/29/2010	8:08:10	0.008
4/29/2010	8:09:10	0.009
4/29/2010	8:10:10	0.010
4/29/2010	8:11:10	0.009
4/29/2010	8:12:10	0.009
4/29/2010	8:13:10	0.010
4/29/2010	8:14:10	0.011
4/29/2010	8:15:10	0.010
4/29/2010	8:16:10	0.010
4/29/2010	8:17:10	0.009
4/29/2010	8:18:10	0.010
4/29/2010	8:19:10	0.011
4/29/2010	8:20:10	0.010
4/29/2010	8:21:10	0.010
4/29/2010	8:22:10	0.010
4/29/2010	8:23:10	0.010
4/29/2010	8:24:10	0.012
4/29/2010	8:25:10	0.010
4/29/2010	8:26:10	0.010
4/29/2010	8:27:10	0.011
4/29/2010	8:28:10	0.012
4/29/2010	8:29:10	0.011
4/29/2010	8:30:10	0.010
4/29/2010	8:31:10	0.010
4/29/2010	8:32:10	0.009
4/29/2010	8:33:10	0.010
4/29/2010	8:34:10	0.010
4/29/2010	8:35:10	0.010
4/29/2010	8:36:10	0.010
4/29/2010	8:37:10	0.011
4/29/2010	8:38:10	0.011
4/29/2010	8:39:10	0.011
4/29/2010	8:40:10	0.011

4/29/2010	8:41:10	0.011
4/29/2010	8:42:10	0.010
4/29/2010	8:43:10	0.010
4/29/2010	8:44:10	0.011
4/29/2010	8:45:10	0.012
4/29/2010	8:46:10	0.012
4/29/2010	8:47:10	0.011
4/29/2010	8:48:10	0.011
4/29/2010	8:49:10	0.012
4/29/2010	8:50:10	0.011
4/29/2010	8:51:10	0.011
4/29/2010	8:52:10	0.013
4/29/2010	8:53:10	0.011
4/29/2010	8:54:10	0.011
4/29/2010	8:55:10	0.012
4/29/2010	8:56:10	0.013
4/29/2010	8:57:10	0.012
4/29/2010	8:58:10	0.011
4/29/2010	8:59:10	0.011
4/29/2010	9:00:10	0.011
4/29/2010	9:01:10	0.011
4/29/2010	9:02:10	0.011
4/29/2010	9:03:10	0.011
4/29/2010	9:04:10	0.012
4/29/2010	9:05:10	0.011
4/29/2010	9:06:10	0.011
4/29/2010	9:07:10	0.012
4/29/2010	9:08:10	0.011
4/29/2010	9:09:10	0.011
4/29/2010	9:10:10	0.012
4/29/2010	9:11:10	0.013
4/29/2010	9:12:10	0.011
4/29/2010	9:13:10	0.011
4/29/2010	9:14:10	0.011
4/29/2010	9:15:10	0.012
4/29/2010	9:16:10	0.014
4/29/2010	9:17:10	0.012
4/29/2010	9:18:10	0.012
4/29/2010	9:19:10	0.011
4/29/2010	9:20:10	0.013
4/29/2010	9:21:10	0.011
4/29/2010	9:22:10	0.012
4/29/2010	9:23:10	0.011
4/29/2010	9:24:10	0.012

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
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4/29/2010	9:25:10	0.012
4/29/2010	9:26:10	0.011
4/29/2010	9:27:10	0.012
4/29/2010	9:28:10	0.012
4/29/2010	9:29:10	0.012
4/29/2010	9:30:10	0.012
4/29/2010	9:31:10	0.012
4/29/2010	9:32:10	0.012
4/29/2010	9:33:10	0.012
4/29/2010	9:34:10	0.012
4/29/2010	9:35:10	0.012
4/29/2010	9:36:10	0.013
4/29/2010	9:37:10	0.012
4/29/2010	9:38:10	0.012
4/29/2010	9:39:10	0.019
4/29/2010	9:40:10	0.013
4/29/2010	9:41:10	0.012
4/29/2010	9:42:10	0.012
4/29/2010	9:43:10	0.012
4/29/2010	9:44:10	0.012
4/29/2010	9:45:10	0.012
4/29/2010	9:46:10	0.012
4/29/2010	9:47:10	0.012
4/29/2010	9:48:10	0.012
4/29/2010	9:49:10	0.016
4/29/2010	9:50:10	0.013
4/29/2010	9:51:10	0.012
4/29/2010	9:52:10	0.012
4/29/2010	9:53:10	0.012
4/29/2010	9:54:10	0.017
4/29/2010	9:55:10	0.013
4/29/2010	9:56:10	0.012
4/29/2010	9:57:10	0.012
4/29/2010	9:58:10	0.012
4/29/2010	9:59:10	0.012
4/29/2010	10:00:10	0.012
4/29/2010	10:01:10	0.013
4/29/2010	10:02:10	0.012
4/29/2010	10:03:10	0.012
4/29/2010	10:04:10	0.013
4/29/2010	10:05:10	0.013
4/29/2010	10:06:10	0.013
4/29/2010	10:07:10	0.012
4/29/2010	10:08:10	0.012

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
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4/29/2010	10:09:10	0.013
4/29/2010	10:10:10	0.013
4/29/2010	10:11:10	0.014
4/29/2010	10:12:10	0.013
4/29/2010	10:13:10	0.013
4/29/2010	10:14:10	0.014
4/29/2010	10:15:10	0.013
4/29/2010	10:16:10	0.014
4/29/2010	10:17:10	0.014
4/29/2010	10:18:10	0.013
4/29/2010	10:19:10	0.013
4/29/2010	10:20:10	0.013
4/29/2010	10:21:10	0.013
4/29/2010	10:22:10	0.014
4/29/2010	10:23:10	0.013
4/29/2010	10:24:10	0.013
4/29/2010	10:25:10	0.014
4/29/2010	10:26:10	0.014
4/29/2010	10:27:10	0.013
4/29/2010	10:28:10	0.013
4/29/2010	10:29:10	0.013
4/29/2010	10:30:10	0.013
4/29/2010	10:31:10	0.015
4/29/2010	10:32:10	0.016

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	2
Test Abbreviation:	
Start Date:	4/29/2010
Start Time:	10:33:37
Duration (dd:hh:mm:ss):	0:05:20:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	320
Notes:	Upwind, new location

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.015
Minimum:	0.012

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 29, 2010

Time of Minimum:	10:50:37
Date of Minimum:	4/29/2010
Maximum:	0.04
Time of Maximum:	15:13:37
Date of Maximum:	4/29/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
4/29/2010	10:34:37	0.016
4/29/2010	10:35:37	0.013
4/29/2010	10:36:37	0.014
4/29/2010	10:37:37	0.013
4/29/2010	10:38:37	0.014
4/29/2010	10:39:37	0.014
4/29/2010	10:40:37	0.013
4/29/2010	10:41:37	0.013
4/29/2010	10:42:37	0.014
4/29/2010	10:43:37	0.013
4/29/2010	10:44:37	0.014
4/29/2010	10:45:37	0.013
4/29/2010	10:46:37	0.016
4/29/2010	10:47:37	0.013
4/29/2010	10:48:37	0.014
4/29/2010	10:49:37	0.013
4/29/2010	10:50:37	0.012
4/29/2010	10:51:37	0.013
4/29/2010	10:52:37	0.014
4/29/2010	10:53:37	0.013
4/29/2010	10:54:37	0.013
4/29/2010	10:55:37	0.012
4/29/2010	10:56:37	0.012
4/29/2010	10:57:37	0.013
4/29/2010	10:58:37	0.013
4/29/2010	10:59:37	0.012
4/29/2010	11:00:37	0.012
4/29/2010	11:01:37	0.013
4/29/2010	11:02:37	0.012
4/29/2010	11:03:37	0.014
4/29/2010	11:04:37	0.012
4/29/2010	11:05:37	0.013

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 29, 2010

4/29/2010	11:06:37	0.013
4/29/2010	11:07:37	0.013
4/29/2010	11:08:37	0.013
4/29/2010	11:09:37	0.013
4/29/2010	11:10:37	0.013
4/29/2010	11:11:37	0.013
4/29/2010	11:12:37	0.014
4/29/2010	11:13:37	0.015
4/29/2010	11:14:37	0.012
4/29/2010	11:15:37	0.013
4/29/2010	11:16:37	0.013
4/29/2010	11:17:37	0.013
4/29/2010	11:18:37	0.013
4/29/2010	11:19:37	0.013
4/29/2010	11:20:37	0.014
4/29/2010	11:21:37	0.017
4/29/2010	11:22:37	0.039
4/29/2010	11:23:37	0.013
4/29/2010	11:24:37	0.013
4/29/2010	11:25:37	0.013
4/29/2010	11:26:37	0.013
4/29/2010	11:27:37	0.012
4/29/2010	11:28:37	0.012
4/29/2010	11:29:37	0.015
4/29/2010	11:30:37	0.014
4/29/2010	11:31:37	0.016
4/29/2010	11:32:37	0.015
4/29/2010	11:33:37	0.013
4/29/2010	11:34:37	0.014
4/29/2010	11:35:37	0.013
4/29/2010	11:36:37	0.014
4/29/2010	11:37:37	0.015
4/29/2010	11:38:37	0.013
4/29/2010	11:39:37	0.013
4/29/2010	11:40:37	0.012
4/29/2010	11:41:37	0.013
4/29/2010	11:42:37	0.013
4/29/2010	11:43:37	0.013
4/29/2010	11:44:37	0.015
4/29/2010	11:45:37	0.013
4/29/2010	11:46:37	0.013
4/29/2010	11:47:37	0.013
4/29/2010	11:48:37	0.014
4/29/2010	11:49:37	0.013

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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4/29/2010	11:50:37	0.013
4/29/2010	11:51:37	0.013
4/29/2010	11:52:37	0.013
4/29/2010	11:53:37	0.013
4/29/2010	11:54:37	0.013
4/29/2010	11:55:37	0.015
4/29/2010	11:56:37	0.013
4/29/2010	11:57:37	0.013
4/29/2010	11:58:37	0.017
4/29/2010	11:59:37	0.013
4/29/2010	12:00:37	0.014
4/29/2010	12:01:37	0.013
4/29/2010	12:02:37	0.013
4/29/2010	12:03:37	0.013
4/29/2010	12:04:37	0.013
4/29/2010	12:05:37	0.014
4/29/2010	12:06:37	0.015
4/29/2010	12:07:37	0.013
4/29/2010	12:08:37	0.014
4/29/2010	12:09:37	0.014
4/29/2010	12:10:37	0.013
4/29/2010	12:11:37	0.014
4/29/2010	12:12:37	0.013
4/29/2010	12:13:37	0.013
4/29/2010	12:14:37	0.013
4/29/2010	12:15:37	0.016
4/29/2010	12:16:37	0.014
4/29/2010	12:17:37	0.014
4/29/2010	12:18:37	0.015
4/29/2010	12:19:37	0.015
4/29/2010	12:20:37	0.014
4/29/2010	12:21:37	0.023
4/29/2010	12:22:37	0.016
4/29/2010	12:23:37	0.014
4/29/2010	12:24:37	0.014
4/29/2010	12:25:37	0.014
4/29/2010	12:26:37	0.014
4/29/2010	12:27:37	0.013
4/29/2010	12:28:37	0.013
4/29/2010	12:29:37	0.013
4/29/2010	12:30:37	0.014
4/29/2010	12:31:37	0.015
4/29/2010	12:32:37	0.013
4/29/2010	12:33:37	0.012

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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4/29/2010	12:34:37	0.024
4/29/2010	12:35:37	0.015
4/29/2010	12:36:37	0.016
4/29/2010	12:37:37	0.014
4/29/2010	12:38:37	0.014
4/29/2010	12:39:37	0.014
4/29/2010	12:40:37	0.014
4/29/2010	12:41:37	0.013
4/29/2010	12:42:37	0.015
4/29/2010	12:43:37	0.014
4/29/2010	12:44:37	0.013
4/29/2010	12:45:37	0.013
4/29/2010	12:46:37	0.013
4/29/2010	12:47:37	0.013
4/29/2010	12:48:37	0.013
4/29/2010	12:49:37	0.013
4/29/2010	12:50:37	0.013
4/29/2010	12:51:37	0.014
4/29/2010	12:52:37	0.013
4/29/2010	12:53:37	0.013
4/29/2010	12:54:37	0.013
4/29/2010	12:55:37	0.014
4/29/2010	12:56:37	0.014
4/29/2010	12:57:37	0.013
4/29/2010	12:58:37	0.013
4/29/2010	12:59:37	0.015
4/29/2010	13:00:37	0.016
4/29/2010	13:01:37	0.018
4/29/2010	13:02:37	0.013
4/29/2010	13:03:37	0.013
4/29/2010	13:04:37	0.015
4/29/2010	13:05:37	0.014
4/29/2010	13:06:37	0.015
4/29/2010	13:07:37	0.015
4/29/2010	13:08:37	0.014
4/29/2010	13:09:37	0.016
4/29/2010	13:10:37	0.019
4/29/2010	13:11:37	0.014
4/29/2010	13:12:37	0.017
4/29/2010	13:13:37	0.024
4/29/2010	13:14:37	0.014
4/29/2010	13:15:37	0.015
4/29/2010	13:16:37	0.032
4/29/2010	13:17:37	0.015

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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4/29/2010	13:18:37	0.014
4/29/2010	13:19:37	0.016
4/29/2010	13:20:37	0.014
4/29/2010	13:21:37	0.014
4/29/2010	13:22:37	0.015
4/29/2010	13:23:37	0.017
4/29/2010	13:24:37	0.022
4/29/2010	13:25:37	0.015
4/29/2010	13:26:37	0.015
4/29/2010	13:27:37	0.015
4/29/2010	13:28:37	0.016
4/29/2010	13:29:37	0.014
4/29/2010	13:30:37	0.014
4/29/2010	13:31:37	0.015
4/29/2010	13:32:37	0.014
4/29/2010	13:33:37	0.013
4/29/2010	13:34:37	0.015
4/29/2010	13:35:37	0.014
4/29/2010	13:36:37	0.015
4/29/2010	13:37:37	0.015
4/29/2010	13:38:37	0.015
4/29/2010	13:39:37	0.015
4/29/2010	13:40:37	0.014
4/29/2010	13:41:37	0.014
4/29/2010	13:42:37	0.015
4/29/2010	13:43:37	0.017
4/29/2010	13:44:37	0.015
4/29/2010	13:45:37	0.015
4/29/2010	13:46:37	0.015
4/29/2010	13:47:37	0.013
4/29/2010	13:48:37	0.013
4/29/2010	13:49:37	0.014
4/29/2010	13:50:37	0.013
4/29/2010	13:51:37	0.014
4/29/2010	13:52:37	0.015
4/29/2010	13:53:37	0.014
4/29/2010	13:54:37	0.014
4/29/2010	13:55:37	0.014
4/29/2010	13:56:37	0.014
4/29/2010	13:57:37	0.016
4/29/2010	13:58:37	0.014
4/29/2010	13:59:37	0.022
4/29/2010	14:00:37	0.013
4/29/2010	14:01:37	0.013

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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4/29/2010	14:02:37	0.015
4/29/2010	14:03:37	0.013
4/29/2010	14:04:37	0.015
4/29/2010	14:05:37	0.015
4/29/2010	14:06:37	0.013
4/29/2010	14:07:37	0.015
4/29/2010	14:08:37	0.014
4/29/2010	14:09:37	0.015
4/29/2010	14:10:37	0.014
4/29/2010	14:11:37	0.014
4/29/2010	14:12:37	0.014
4/29/2010	14:13:37	0.014
4/29/2010	14:14:37	0.015
4/29/2010	14:15:37	0.014
4/29/2010	14:16:37	0.018
4/29/2010	14:17:37	0.027
4/29/2010	14:18:37	0.015
4/29/2010	14:19:37	0.016
4/29/2010	14:20:37	0.015
4/29/2010	14:21:37	0.015
4/29/2010	14:22:37	0.015
4/29/2010	14:23:37	0.016
4/29/2010	14:24:37	0.016
4/29/2010	14:25:37	0.017
4/29/2010	14:26:37	0.014
4/29/2010	14:27:37	0.014
4/29/2010	14:28:37	0.017
4/29/2010	14:29:37	0.015
4/29/2010	14:30:37	0.016
4/29/2010	14:31:37	0.015
4/29/2010	14:32:37	0.015
4/29/2010	14:33:37	0.015
4/29/2010	14:34:37	0.014
4/29/2010	14:35:37	0.015
4/29/2010	14:36:37	0.018
4/29/2010	14:37:37	0.015
4/29/2010	14:38:37	0.015
4/29/2010	14:39:37	0.017
4/29/2010	14:40:37	0.015
4/29/2010	14:41:37	0.018
4/29/2010	14:42:37	0.035
4/29/2010	14:43:37	0.017
4/29/2010	14:44:37	0.018
4/29/2010	14:45:37	0.020

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 29, 2010

4/29/2010	14:46:37	0.016
4/29/2010	14:47:37	0.015
4/29/2010	14:48:37	0.016
4/29/2010	14:49:37	0.016
4/29/2010	14:50:37	0.015
4/29/2010	14:51:37	0.016
4/29/2010	14:52:37	0.017
4/29/2010	14:53:37	0.014
4/29/2010	14:54:37	0.016
4/29/2010	14:55:37	0.017
4/29/2010	14:56:37	0.016
4/29/2010	14:57:37	0.015
4/29/2010	14:58:37	0.015
4/29/2010	14:59:37	0.016
4/29/2010	15:00:37	0.016
4/29/2010	15:01:37	0.020
4/29/2010	15:02:37	0.015
4/29/2010	15:03:37	0.017
4/29/2010	15:04:37	0.015
4/29/2010	15:05:37	0.016
4/29/2010	15:06:37	0.015
4/29/2010	15:07:37	0.016
4/29/2010	15:08:37	0.016
4/29/2010	15:09:37	0.014
4/29/2010	15:10:37	0.015
4/29/2010	15:11:37	0.016
4/29/2010	15:12:37	0.015
4/29/2010	15:13:37	0.040
4/29/2010	15:14:37	0.022
4/29/2010	15:15:37	0.014
4/29/2010	15:16:37	0.014
4/29/2010	15:17:37	0.015
4/29/2010	15:18:37	0.015
4/29/2010	15:19:37	0.014
4/29/2010	15:20:37	0.015
4/29/2010	15:21:37	0.016
4/29/2010	15:22:37	0.018
4/29/2010	15:23:37	0.014
4/29/2010	15:24:37	0.016
4/29/2010	15:25:37	0.015
4/29/2010	15:26:37	0.015
4/29/2010	15:27:37	0.014
4/29/2010	15:28:37	0.014
4/29/2010	15:29:37	0.015

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
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4/29/2010	15:30:37	0.016
4/29/2010	15:31:37	0.015
4/29/2010	15:32:37	0.018
4/29/2010	15:33:37	0.016
4/29/2010	15:34:37	0.016
4/29/2010	15:35:37	0.023
4/29/2010	15:36:37	0.017
4/29/2010	15:37:37	0.015
4/29/2010	15:38:37	0.015
4/29/2010	15:39:37	0.016
4/29/2010	15:40:37	0.015
4/29/2010	15:41:37	0.014
4/29/2010	15:42:37	0.015
4/29/2010	15:43:37	0.014
4/29/2010	15:44:37	0.016
4/29/2010	15:45:37	0.021
4/29/2010	15:46:37	0.013
4/29/2010	15:47:37	0.013
4/29/2010	15:48:37	0.013
4/29/2010	15:49:37	0.013
4/29/2010	15:50:37	0.014
4/29/2010	15:51:37	0.014
4/29/2010	15:52:37	0.013
4/29/2010	15:53:37	0.013

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 29, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	1
Test Abbreviation:	
Start Date:	4/29/2010
Start Time:	7:40:50
Duration (dd:hh:mm:ss):	0:08:06:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	486
Notes:	Worksite/Nearest Property

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.016
Minimum:	0.006
Time of Minimum:	9:56:50
Date of Minimum:	4/29/2010
Maximum:	0.647
Time of Maximum:	11:20:50
Date of Maximum:	4/29/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
4/29/2010	7:41:50	0.008
4/29/2010	7:42:50	0.008
4/29/2010	7:43:50	0.008
4/29/2010	7:44:50	0.008
4/29/2010	7:45:50	0.008
4/29/2010	7:46:50	0.008
4/29/2010	7:47:50	0.008
4/29/2010	7:48:50	0.007
4/29/2010	7:49:50	0.008
4/29/2010	7:50:50	0.009
4/29/2010	7:51:50	0.008
4/29/2010	7:52:50	0.009
4/29/2010	7:53:50	0.008

4/29/2010	7:54:50	0.009
4/29/2010	7:55:50	0.009
4/29/2010	7:56:50	0.009
4/29/2010	7:57:50	0.009
4/29/2010	7:58:50	0.009
4/29/2010	7:59:50	0.008
4/29/2010	8:00:50	0.010
4/29/2010	8:01:50	0.009
4/29/2010	8:02:50	0.009
4/29/2010	8:03:50	0.009
4/29/2010	8:04:50	0.009
4/29/2010	8:05:50	0.008
4/29/2010	8:06:50	0.009
4/29/2010	8:07:50	0.010
4/29/2010	8:08:50	0.009
4/29/2010	8:09:50	0.009
4/29/2010	8:10:50	0.009
4/29/2010	8:11:50	0.009
4/29/2010	8:12:50	0.009
4/29/2010	8:13:50	0.008
4/29/2010	8:14:50	0.009
4/29/2010	8:15:50	0.009
4/29/2010	8:16:50	0.009
4/29/2010	8:17:50	0.010
4/29/2010	8:18:50	0.009
4/29/2010	8:19:50	0.009
4/29/2010	8:20:50	0.010
4/29/2010	8:21:50	0.009
4/29/2010	8:22:50	0.009
4/29/2010	8:23:50	0.009
4/29/2010	8:24:50	0.009
4/29/2010	8:25:50	0.011
4/29/2010	8:26:50	0.009
4/29/2010	8:27:50	0.009
4/29/2010	8:28:50	0.010
4/29/2010	8:29:50	0.011
4/29/2010	8:30:50	0.009
4/29/2010	8:31:50	0.009
4/29/2010	8:32:50	0.153
4/29/2010	8:33:50	0.020
4/29/2010	8:34:50	0.010
4/29/2010	8:35:50	0.010
4/29/2010	8:36:50	0.008
4/29/2010	8:37:50	0.008

4/29/2010	8:38:50	0.009
4/29/2010	8:39:50	0.009
4/29/2010	8:40:50	0.009
4/29/2010	8:41:50	0.008
4/29/2010	8:42:50	0.008
4/29/2010	8:43:50	0.010
4/29/2010	8:44:50	0.009
4/29/2010	8:45:50	0.009
4/29/2010	8:46:50	0.009
4/29/2010	8:47:50	0.008
4/29/2010	8:48:50	0.009
4/29/2010	8:49:50	0.010
4/29/2010	8:50:50	0.008
4/29/2010	8:51:50	0.008
4/29/2010	8:52:50	0.008
4/29/2010	8:53:50	0.009
4/29/2010	8:54:50	0.008
4/29/2010	8:55:50	0.008
4/29/2010	8:56:50	0.008
4/29/2010	8:57:50	0.008
4/29/2010	8:58:50	0.008
4/29/2010	8:59:50	0.008
4/29/2010	9:00:50	0.008
4/29/2010	9:01:50	0.008
4/29/2010	9:02:50	0.008
4/29/2010	9:03:50	0.008
4/29/2010	9:04:50	0.008
4/29/2010	9:05:50	0.007
4/29/2010	9:06:50	0.008
4/29/2010	9:07:50	0.008
4/29/2010	9:08:50	0.008
4/29/2010	9:09:50	0.008
4/29/2010	9:10:50	0.007
4/29/2010	9:11:50	0.007
4/29/2010	9:12:50	0.008
4/29/2010	9:13:50	0.008
4/29/2010	9:14:50	0.007
4/29/2010	9:15:50	0.007
4/29/2010	9:16:50	0.007
4/29/2010	9:17:50	0.008
4/29/2010	9:18:50	0.007
4/29/2010	9:19:50	0.007
4/29/2010	9:20:50	0.007
4/29/2010	9:21:50	0.007

4/29/2010	9:22:50	0.008
4/29/2010	9:23:50	0.007
4/29/2010	9:24:50	0.008
4/29/2010	9:25:50	0.007
4/29/2010	9:26:50	0.007
4/29/2010	9:27:50	0.008
4/29/2010	9:28:50	0.007
4/29/2010	9:29:50	0.007
4/29/2010	9:30:50	0.008
4/29/2010	9:31:50	0.007
4/29/2010	9:32:50	0.007
4/29/2010	9:33:50	0.007
4/29/2010	9:34:50	0.007
4/29/2010	9:35:50	0.010
4/29/2010	9:36:50	0.008
4/29/2010	9:37:50	0.008
4/29/2010	9:38:50	0.008
4/29/2010	9:39:50	0.007
4/29/2010	9:40:50	0.007
4/29/2010	9:41:50	0.008
4/29/2010	9:42:50	0.008
4/29/2010	9:43:50	0.007
4/29/2010	9:44:50	0.007
4/29/2010	9:45:50	0.007
4/29/2010	9:46:50	0.008
4/29/2010	9:47:50	0.007
4/29/2010	9:48:50	0.007
4/29/2010	9:49:50	0.007
4/29/2010	9:50:50	0.008
4/29/2010	9:51:50	0.008
4/29/2010	9:52:50	0.007
4/29/2010	9:53:50	0.007
4/29/2010	9:54:50	0.012
4/29/2010	9:55:50	0.007
4/29/2010	9:56:50	0.006
4/29/2010	9:57:50	0.007
4/29/2010	9:58:50	0.007
4/29/2010	9:59:50	0.007
4/29/2010	10:00:50	0.006
4/29/2010	10:01:50	0.007
4/29/2010	10:02:50	0.007
4/29/2010	10:03:50	0.007
4/29/2010	10:04:50	0.007
4/29/2010	10:05:50	0.007

4/29/2010	10:06:50	0.007
4/29/2010	10:07:50	0.007
4/29/2010	10:08:50	0.006
4/29/2010	10:09:50	0.006
4/29/2010	10:10:50	0.007
4/29/2010	10:11:50	0.007
4/29/2010	10:12:50	0.007
4/29/2010	10:13:50	0.008
4/29/2010	10:14:50	0.006
4/29/2010	10:15:50	0.006
4/29/2010	10:16:50	0.007
4/29/2010	10:17:50	0.007
4/29/2010	10:18:50	0.007
4/29/2010	10:19:50	0.008
4/29/2010	10:20:50	0.008
4/29/2010	10:21:50	0.007
4/29/2010	10:22:50	0.007
4/29/2010	10:23:50	0.007
4/29/2010	10:24:50	0.007
4/29/2010	10:25:50	0.007
4/29/2010	10:26:50	0.007
4/29/2010	10:27:50	0.007
4/29/2010	10:28:50	0.008
4/29/2010	10:29:50	0.008
4/29/2010	10:30:50	0.007
4/29/2010	10:31:50	0.007
4/29/2010	10:32:50	0.007
4/29/2010	10:33:50	0.007
4/29/2010	10:34:50	0.007
4/29/2010	10:35:50	0.007
4/29/2010	10:36:50	0.007
4/29/2010	10:37:50	0.007
4/29/2010	10:38:50	0.007
4/29/2010	10:39:50	0.008
4/29/2010	10:40:50	0.007
4/29/2010	10:41:50	0.007
4/29/2010	10:42:50	0.007
4/29/2010	10:43:50	0.007
4/29/2010	10:44:50	0.008
4/29/2010	10:45:50	0.007
4/29/2010	10:46:50	0.009
4/29/2010	10:47:50	0.008
4/29/2010	10:48:50	0.007
4/29/2010	10:49:50	0.008

4/29/2010	10:50:50	0.007
4/29/2010	10:51:50	0.007
4/29/2010	10:52:50	0.007
4/29/2010	10:53:50	0.007
4/29/2010	10:54:50	0.008
4/29/2010	10:55:50	0.007
4/29/2010	10:56:50	0.007
4/29/2010	10:57:50	0.007
4/29/2010	10:58:50	0.007
4/29/2010	10:59:50	0.007
4/29/2010	11:00:50	0.008
4/29/2010	11:01:50	0.258
4/29/2010	11:02:50	0.011
4/29/2010	11:03:50	0.012
4/29/2010	11:04:50	0.008
4/29/2010	11:05:50	0.027
4/29/2010	11:06:50	0.010
4/29/2010	11:07:50	0.008
4/29/2010	11:08:50	0.012
4/29/2010	11:09:50	0.008
4/29/2010	11:10:50	0.061
4/29/2010	11:11:50	0.362
4/29/2010	11:12:50	0.020
4/29/2010	11:13:50	0.096
4/29/2010	11:14:50	0.320
4/29/2010	11:15:50	0.216
4/29/2010	11:16:50	0.019
4/29/2010	11:17:50	0.007
4/29/2010	11:18:50	0.008
4/29/2010	11:19:50	0.010
4/29/2010	11:20:50	0.647
4/29/2010	11:21:50	0.014
4/29/2010	11:22:50	0.009
4/29/2010	11:23:50	0.010
4/29/2010	11:24:50	0.010
4/29/2010	11:25:50	0.009
4/29/2010	11:26:50	0.009
4/29/2010	11:27:50	0.014
4/29/2010	11:28:50	0.008
4/29/2010	11:29:50	0.008
4/29/2010	11:30:50	0.008
4/29/2010	11:31:50	0.013
4/29/2010	11:32:50	0.011
4/29/2010	11:33:50	0.017

4/29/2010	11:34:50	0.010
4/29/2010	11:35:50	0.008
4/29/2010	11:36:50	0.008
4/29/2010	11:37:50	0.012
4/29/2010	11:38:50	0.009
4/29/2010	11:39:50	0.008
4/29/2010	11:40:50	0.009
4/29/2010	11:41:50	0.010
4/29/2010	11:42:50	0.009
4/29/2010	11:43:50	0.009
4/29/2010	11:44:50	0.009
4/29/2010	11:45:50	0.010
4/29/2010	11:46:50	0.009
4/29/2010	11:47:50	0.010
4/29/2010	11:48:50	0.011
4/29/2010	11:49:50	0.008
4/29/2010	11:50:50	0.009
4/29/2010	11:51:50	0.010
4/29/2010	11:52:50	0.009
4/29/2010	11:53:50	0.009
4/29/2010	11:54:50	0.009
4/29/2010	11:55:50	0.008
4/29/2010	11:56:50	0.009
4/29/2010	11:57:50	0.011
4/29/2010	11:58:50	0.008
4/29/2010	11:59:50	0.009
4/29/2010	12:00:50	0.009
4/29/2010	12:01:50	0.010
4/29/2010	12:02:50	0.009
4/29/2010	12:03:50	0.009
4/29/2010	12:04:50	0.010
4/29/2010	12:05:50	0.009
4/29/2010	12:06:50	0.010
4/29/2010	12:07:50	0.011
4/29/2010	12:08:50	0.010
4/29/2010	12:09:50	0.010
4/29/2010	12:10:50	0.013
4/29/2010	12:11:50	0.010
4/29/2010	12:12:50	0.009
4/29/2010	12:13:50	0.009
4/29/2010	12:14:50	0.010
4/29/2010	12:15:50	0.009
4/29/2010	12:16:50	0.010
4/29/2010	12:17:50	0.009

4/29/2010	12:18:50	0.012
4/29/2010	12:19:50	0.009
4/29/2010	12:20:50	0.010
4/29/2010	12:21:50	0.009
4/29/2010	12:22:50	0.009
4/29/2010	12:23:50	0.010
4/29/2010	12:24:50	0.010
4/29/2010	12:25:50	0.062
4/29/2010	12:26:50	0.014
4/29/2010	12:27:50	0.009
4/29/2010	12:28:50	0.010
4/29/2010	12:29:50	0.010
4/29/2010	12:30:50	0.010
4/29/2010	12:31:50	0.009
4/29/2010	12:32:50	0.010
4/29/2010	12:33:50	0.010
4/29/2010	12:34:50	0.009
4/29/2010	12:35:50	0.009
4/29/2010	12:36:50	0.010
4/29/2010	12:37:50	0.011
4/29/2010	12:38:50	0.009
4/29/2010	12:39:50	0.010
4/29/2010	12:40:50	0.010
4/29/2010	12:41:50	0.009
4/29/2010	12:42:50	0.013
4/29/2010	12:43:50	0.011
4/29/2010	12:44:50	0.013
4/29/2010	12:45:50	0.009
4/29/2010	12:46:50	0.011
4/29/2010	12:47:50	0.010
4/29/2010	12:48:50	0.010
4/29/2010	12:49:50	0.009
4/29/2010	12:50:50	0.010
4/29/2010	12:51:50	0.010
4/29/2010	12:52:50	0.017
4/29/2010	12:53:50	0.010
4/29/2010	12:54:50	0.010
4/29/2010	12:55:50	0.009
4/29/2010	12:56:50	0.010
4/29/2010	12:57:50	0.022
4/29/2010	12:58:50	0.114
4/29/2010	12:59:50	0.011
4/29/2010	13:00:50	0.010
4/29/2010	13:01:50	0.010

4/29/2010	13:02:50	0.013
4/29/2010	13:03:50	0.011
4/29/2010	13:04:50	0.010
4/29/2010	13:05:50	0.085
4/29/2010	13:06:50	0.011
4/29/2010	13:07:50	0.010
4/29/2010	13:08:50	0.012
4/29/2010	13:09:50	0.011
4/29/2010	13:10:50	0.010
4/29/2010	13:11:50	0.011
4/29/2010	13:12:50	0.011
4/29/2010	13:13:50	0.019
4/29/2010	13:14:50	0.012
4/29/2010	13:15:50	0.017
4/29/2010	13:16:50	0.012
4/29/2010	13:17:50	0.011
4/29/2010	13:18:50	0.011
4/29/2010	13:19:50	0.140
4/29/2010	13:20:50	0.028
4/29/2010	13:21:50	0.011
4/29/2010	13:22:50	0.010
4/29/2010	13:23:50	0.010
4/29/2010	13:24:50	0.012
4/29/2010	13:25:50	0.014
4/29/2010	13:26:50	0.013
4/29/2010	13:27:50	0.018
4/29/2010	13:28:50	0.070
4/29/2010	13:29:50	0.011
4/29/2010	13:30:50	0.010
4/29/2010	13:31:50	0.011
4/29/2010	13:32:50	0.013
4/29/2010	13:33:50	0.011
4/29/2010	13:34:50	0.012
4/29/2010	13:35:50	0.011
4/29/2010	13:36:50	0.012
4/29/2010	13:37:50	0.012
4/29/2010	13:38:50	0.012
4/29/2010	13:39:50	0.011
4/29/2010	13:40:50	0.011
4/29/2010	13:41:50	0.011
4/29/2010	13:42:50	0.016
4/29/2010	13:43:50	0.011
4/29/2010	13:44:50	0.013
4/29/2010	13:45:50	0.011

4/29/2010	13:46:50	0.011
4/29/2010	13:47:50	0.012
4/29/2010	13:48:50	0.013
4/29/2010	13:49:50	0.011
4/29/2010	13:50:50	0.020
4/29/2010	13:51:50	0.010
4/29/2010	13:52:50	0.014
4/29/2010	13:53:50	0.012
4/29/2010	13:54:50	0.010
4/29/2010	13:55:50	0.010
4/29/2010	13:56:50	0.011
4/29/2010	13:57:50	0.014
4/29/2010	13:58:50	0.012
4/29/2010	13:59:50	0.011
4/29/2010	14:00:50	0.012
4/29/2010	14:01:50	0.010
4/29/2010	14:02:50	0.017
4/29/2010	14:03:50	0.012
4/29/2010	14:04:50	0.014
4/29/2010	14:05:50	0.013
4/29/2010	14:06:50	0.010
4/29/2010	14:07:50	0.025
4/29/2010	14:08:50	0.014
4/29/2010	14:09:50	0.011
4/29/2010	14:10:50	0.010
4/29/2010	14:11:50	0.011
4/29/2010	14:12:50	0.016
4/29/2010	14:13:50	0.011
4/29/2010	14:14:50	0.016
4/29/2010	14:15:50	0.019
4/29/2010	14:16:50	0.011
4/29/2010	14:17:50	0.012
4/29/2010	14:18:50	0.017
4/29/2010	14:19:50	0.017
4/29/2010	14:20:50	0.010
4/29/2010	14:21:50	0.011
4/29/2010	14:22:50	0.011
4/29/2010	14:23:50	0.011
4/29/2010	14:24:50	0.010
4/29/2010	14:25:50	0.011
4/29/2010	14:26:50	0.011
4/29/2010	14:27:50	0.011
4/29/2010	14:28:50	0.012
4/29/2010	14:29:50	0.012

4/29/2010	14:30:50	0.025
4/29/2010	14:31:50	0.012
4/29/2010	14:32:50	0.013
4/29/2010	14:33:50	0.011
4/29/2010	14:34:50	0.014
4/29/2010	14:35:50	0.030
4/29/2010	14:36:50	0.011
4/29/2010	14:37:50	0.026
4/29/2010	14:38:50	0.012
4/29/2010	14:39:50	0.014
4/29/2010	14:40:50	0.044
4/29/2010	14:41:50	0.011
4/29/2010	14:42:50	0.012
4/29/2010	14:43:50	0.012
4/29/2010	14:44:50	0.015
4/29/2010	14:45:50	0.017
4/29/2010	14:46:50	0.016
4/29/2010	14:47:50	0.013
4/29/2010	14:48:50	0.013
4/29/2010	14:49:50	0.014
4/29/2010	14:50:50	0.034
4/29/2010	14:51:50	0.013
4/29/2010	14:52:50	0.012
4/29/2010	14:53:50	0.012
4/29/2010	14:54:50	0.012
4/29/2010	14:55:50	0.013
4/29/2010	14:56:50	0.011
4/29/2010	14:57:50	0.012
4/29/2010	14:58:50	0.013
4/29/2010	14:59:50	0.012
4/29/2010	15:00:50	0.012
4/29/2010	15:01:50	0.011
4/29/2010	15:02:50	0.013
4/29/2010	15:03:50	0.015
4/29/2010	15:04:50	0.011
4/29/2010	15:05:50	0.012
4/29/2010	15:06:50	0.013
4/29/2010	15:07:50	0.011
4/29/2010	15:08:50	0.012
4/29/2010	15:09:50	0.014
4/29/2010	15:10:50	0.011
4/29/2010	15:11:50	0.010
4/29/2010	15:12:50	0.010
4/29/2010	15:13:50	0.011

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 29, 2010

4/29/2010	15:14:50	0.011
4/29/2010	15:15:50	0.012
4/29/2010	15:16:50	0.011
4/29/2010	15:17:50	0.015
4/29/2010	15:18:50	0.011
4/29/2010	15:19:50	0.084
4/29/2010	15:20:50	0.018
4/29/2010	15:21:50	0.039
4/29/2010	15:22:50	0.011
4/29/2010	15:23:50	0.011
4/29/2010	15:24:50	0.012
4/29/2010	15:25:50	0.019
4/29/2010	15:26:50	0.062
4/29/2010	15:27:50	0.011
4/29/2010	15:28:50	0.012
4/29/2010	15:29:50	0.011
4/29/2010	15:30:50	0.010
4/29/2010	15:31:50	0.010
4/29/2010	15:32:50	0.011
4/29/2010	15:33:50	0.011
4/29/2010	15:34:50	0.012
4/29/2010	15:35:50	0.010
4/29/2010	15:36:50	0.014
4/29/2010	15:37:50	0.013
4/29/2010	15:38:50	0.017
4/29/2010	15:39:50	0.011
4/29/2010	15:40:50	0.011
4/29/2010	15:41:50	0.009
4/29/2010	15:42:50	0.009
4/29/2010	15:43:50	0.009
4/29/2010	15:44:50	0.011
4/29/2010	15:45:50	0.013
4/29/2010	15:46:50	0.011

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 29, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_001
Test Start Time	8:14:24 AM
Test Start Date	4/29/2010
Test Length [D:H:M]	0:07:19
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.004
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.093
Mass TWA [mg/m3]	0.004
Photometric User Cal	1
Flow User Cal	1
Errors	
Number of Samples	439
Number of STELS	1

STEL Start Time	2:46:47 PM
STEL Start Date	4/29/2010
STEL Average [mg/m3]	0.02
STEL Minimum [mg/m3]	0
STEL Maximum [mg/m3]	0.752

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.003		
120	0.004		
180	0.003		
240	0.003		
300	0.004		
360	0.004		
420	0.006		
480	0.003		
540	0.004		
600	0.002		
660	0.003		
720	0.002		
780	0.001		
840	0.002		
900	0.002		
960	0.003		
1020	0.002		

1080	0.002		
1140	0.003		
1200	0.002		
1260	0.001		
1320	0.001		
1380	0.001		
1440	0.001		
1500	0.003		
1560	0.001		
1620	0.002		
1680	0.002		
1740	0.002		
1800	0.002		
1860	0.002		
1920	0.002		
1980	0.001		
2040	0.001		
2100	0.001		
2160	0.001		
2220	0.001		
2280	0.001		
2340	0.001		
2400	0.001		
2460	0.001		
2520	0.001		
2580	0.001		
2640	0.000		
2700	0.001		
2760	0.000		
2820	0.001		
2880	0.001		
2940	0.000		
3000	0.000		
3060	0.000		
3120	0.000		
3180	0.000		
3240	0.000		
3300	0.001		
3360	0.001		
3420	0.001		
3480	0.001		
3540	0.001		
3600	0.001		
3660	0.000		

3720	0.000		
3780	0.001		
3840	0.000		
3900	0.001		
3960	0.001		
4020	0.001		
4080	0.000		
4140	0.002		
4200	0.003		
4260	0.000		
4320	0.001		
4380	0.001		
4440	0.012		
4500	0.003		
4560	0.002		
4620	0.003		
4680	0.003		
4740	0.001		
4800	0.000		
4860	0.001		
4920	0.000		
4980	0.000		
5040	0.001		
5100	0.002		
5160	0.000		
5220	0.000		
5280	0.000		
5340	0.003		
5400	0.003		
5460	0.002		
5520	0.002		
5580	0.004		
5640	0.003		
5700	0.002		
5760	0.002		
5820	0.004		
5880	0.007		
5940	0.002		
6000	0.004		
6060	0.003		
6120	0.002		
6180	0.003		
6240	0.002		
6300	0.003		

6360	0.002		
6420	0.002		
6480	0.003		
6540	0.002		
6600	0.005		
6660	0.020		
6720	0.002		
6780	0.002		
6840	0.002		
6900	0.002		
6960	0.001		
7020	0.002		
7080	0.002		
7140	0.002		
7200	0.002		
7260	0.002		
7320	0.001		
7380	0.002		
7440	0.002		
7500	0.002		
7560	0.001		
7620	0.002		
7680	0.001		
7740	0.002		
7800	0.002		
7860	0.001		
7920	0.001		
7980	0.001		
8040	0.015		
8100	0.002		
8160	0.003		
8220	0.004		
8280	0.001		
8340	0.003		
8400	0.003		
8460	0.001		
8520	0.003		
8580	0.001		
8640	0.000		
8700	0.001		
8760	0.000		
8820	0.000		
8880	0.000		
8940	0.000		

9000	0.000		
9060	0.001		
9120	0.001		
9180	0.001		
9240	0.001		
9300	0.005		
9360	0.001		
9420	0.005		
9480	0.003		
9540	0.000		
9600	0.000		
9660	0.000		
9720	0.001		
9780	0.000		
9840	0.000		
9900	0.000		
9960	0.000		
10020	0.000		
10080	0.000		
10140	0.000		
10200	0.000		
10260	0.000		
10320	0.000		
10380	0.000		
10440	0.000		
10500	0.000		
10560	0.001		
10620	0.000		
10680	0.000		
10740	0.000		
10800	0.000		
10860	0.000		
10920	0.000		
10980	0.001		
11040	0.000		
11100	0.001		
11160	0.003		
11220	0.009		
11280	0.007		
11340	0.000		
11400	0.003		
11460	0.001		
11520	0.000		
11580	0.000		

11640	0.000		
11700	0.001		
11760	0.000		
11820	0.000		
11880	0.000		
11940	0.000		
12000	0.000		
12060	0.001		
12120	0.000		
12180	0.000		
12240	0.000		
12300	0.000		
12360	0.000		
12420	0.000		
12480	0.000		
12540	0.000		
12600	0.000		
12660	0.000		
12720	0.000		
12780	0.000		
12840	0.000		
12900	0.000		
12960	0.000		
13020	0.000		
13080	0.000		
13140	0.000		
13200	0.000		
13260	0.000		
13320	0.000		
13380	0.000		
13440	0.000		
13500	0.000		
13560	0.000		
13620	0.000		
13680	0.000		
13740	0.000		
13800	0.000		
13860	0.000		
13920	0.000		
13980	0.000		
14040	0.003		
14100	0.001		
14160	0.001		
14220	0.000		

14280	0.000		
14340	0.001		
14400	0.000		
14460	0.002		
14520	0.000		
14580	0.000		
14640	0.000		
14700	0.015		
14760	0.001		
14820	0.000		
14880	0.011		
14940	0.023		
15000	0.000		
15060	0.000		
15120	0.000		
15180	0.000		
15240	0.000		
15300	0.000		
15360	0.005		
15420	0.000		
15480	0.000		
15540	0.000		
15600	0.000		
15660	0.000		
15720	0.000		
15780	0.000		
15840	0.003		
15900	0.000		
15960	0.000		
16020	0.000		
16080	0.000		
16140	0.000		
16200	0.002		
16260	0.000		
16320	0.001		
16380	0.000		
16440	0.001		
16500	0.000		
16560	0.002		
16620	0.032		
16680	0.000		
16740	0.002		
16800	0.004		
16860	0.002		

16920	0.000		
16980	0.003		
17040	0.000		
17100	0.000		
17160	0.001		
17220	0.007		
17280	0.005		
17340	0.028		
17400	0.002		
17460	0.004		
17520	0.001		
17580	0.003		
17640	0.002		
17700	0.007		
17760	0.022		
17820	0.007		
17880	0.008		
17940	0.004		
18000	0.002		
18060	0.008		
18120	0.007		
18180	0.006		
18240	0.001		
18300	0.000		
18360	0.001		
18420	0.001		
18480	0.016		
18540	0.008		
18600	0.010		
18660	0.004		
18720	0.003		
18780	0.001		
18840	0.010		
18900	0.001		
18960	0.007		
19020	0.004		
19080	0.004		
19140	0.006		
19200	0.004		
19260	0.009		
19320	0.029		
19380	0.024		
19440	0.003		
19500	0.001		

19560	0.008		
19620	0.005		
19680	0.001		
19740	0.001		
19800	0.002		
19860	0.012		
19920	0.004		
19980	0.000		
20040	0.009		
20100	0.003		
20160	0.008		
20220	0.000		
20280	0.001		
20340	0.000		
20400	0.001		
20460	0.010		
20520	0.001		
20580	0.002		
20640	0.000		
20700	0.000		
20760	0.002		
20820	0.001		
20880	0.017		
20940	0.004		
21000	0.001		
21060	0.001		
21120	0.004		
21180	0.002		
21240	0.003		
21300	0.001		
21360	0.003		
21420	0.005		
21480	0.005		
21540	0.055		
21600	0.029		
21660	0.013		
21720	0.005		
21780	0.016		
21840	0.011		
21900	0.008		
21960	0.027		
22020	0.007		
22080	0.002		
22140	0.005		

22200	0.013		
22260	0.003		
22320	0.002		
22380	0.013		
22440	0.007		
22500	0.003		
22560	0.005		
22620	0.008		
22680	0.000		
22740	0.005		
22800	0.001		
22860	0.000		
22920	0.003		
22980	0.002		
23040	0.023		
23100	0.007		
23160	0.028		
23220	0.004		
23280	0.008		
23340	0.018		
23400	0.004		
23460	0.015		
23520	0.012		
23580	0.038	1	
23640	0.006	1	
23700	0.015	1	
23760	0.014	1	
23820	0.012	1	
23880	0.015	1	
23940	0.015	1	
24000	0.012	1	
24060	0.093	1	
24120	0.014	1	
24180	0.005	1	
24240	0.004	1	
24300	0.026	1	
24360	0.014	1	
24420	0.014	1	
24480	0.038	1	
24540	0.012	1	
24600	0.002	1	
24660	0.021	1	
24720	0.003	1	
24780	0.003	1	

24840	0.002	1	
24900	0.002	1	
24960	0.001	1	
25020	0.001	1	
25080	0.032	1	
25140	0.002	1	
25200	0.003	1	
25260	0.001	1	
25320	0.015	1	
25380	0.017	1	
25440	0.011	1	
25500	0.001	1	
25560	0.002	1	
25620	0.001	1	
25680	0.004	1	
25740	0.001	1	
25800	0.001	1	
25860	0.007	1	
25920	0.000	1	
25980	0.000	1	
26040	0.000	1	
26100	0.008	1	
26160	0.002	1	
26220	0.000	1	
26280	0.000	1	
26340	0.004	1	

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.030
120	0.017
180	0.006
240	0.017
300	0.012
360	0.012
420	0.020
480	0.013
540	0.093
600	0.006
660	0.006
720	0.004
780	0.029
840	0.012
900	0.016

Former Reliable Truss (246 River Road) Daily Construction/Excavation Monitoring Summary

Date: 4/30/2010

Weather: upper 40s, sunny, slight N -> S breeze

Activity: Grubbing and excavation

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	85202130	0835	0.010	0.006	0.081	Started at ~0748
ON SITE	85202244	0834	0.009	0.005	0.020	Started at ~0745
DOWN WIND	85300952502	0848	0.005	0.000	0.015	Started at ~0810
UPWIND		1140	0.010	0.006	0.081	
ON SITE		1141	0.010	0.005	0.141	
DOWN WIND		1130	0.004	0.000	0.049	
UPWIND		1616	0.011	0.006	0.098	
ON SITE		1615	0.010	0.005	0.143	
DOWN WIND		1647	0.008	0.000	0.188	DustTrak stopped and dismantled
UPWIND		~1645				DustTrak stopped and dismantled, no stats written down
ON SITE		~1647				DustTrak stopped and dismantled, no stats written down
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						

NOTES

Calcium chloride was used to supress dust. Wind picked up to 10-20 mph and the weather warmed to about 80 over the course of the day.

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	1
Test Abbreviation:	
Start Date:	4/30/2010
Start Time:	7:47:27
Duration (dd:hh:mm:ss):	0:08:29:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	509
Notes:	Upwind

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.011
Minimum:	0.007
Time of Minimum:	7:48:27
Date of Minimum:	4/30/2010
Maximum:	0.037
Time of Maximum:	14:08:27
Date of Maximum:	4/30/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
4/30/2010	7:48:27	0.007
4/30/2010	7:49:27	0.008
4/30/2010	7:50:27	0.009
4/30/2010	7:51:27	0.008
4/30/2010	7:52:27	0.008
4/30/2010	7:53:27	0.008
4/30/2010	7:54:27	0.008
4/30/2010	7:55:27	0.009
4/30/2010	7:56:27	0.011
4/30/2010	7:57:27	0.009
4/30/2010	7:58:27	0.01
4/30/2010	7:59:27	0.011
4/30/2010	8:00:27	0.009

Dust Monitoring Data - Upwind
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4/30/2010	8:01:27	0.009
4/30/2010	8:02:27	0.01
4/30/2010	8:03:27	0.01
4/30/2010	8:04:27	0.009
4/30/2010	8:05:27	0.009
4/30/2010	8:06:27	0.009
4/30/2010	8:07:27	0.009
4/30/2010	8:08:27	0.01
4/30/2010	8:09:27	0.01
4/30/2010	8:10:27	0.009
4/30/2010	8:11:27	0.01
4/30/2010	8:12:27	0.009
4/30/2010	8:13:27	0.01
4/30/2010	8:14:27	0.01
4/30/2010	8:15:27	0.011
4/30/2010	8:16:27	0.01
4/30/2010	8:17:27	0.01
4/30/2010	8:18:27	0.009
4/30/2010	8:19:27	0.01
4/30/2010	8:20:27	0.009
4/30/2010	8:21:27	0.01
4/30/2010	8:22:27	0.023
4/30/2010	8:23:27	0.011
4/30/2010	8:24:27	0.01
4/30/2010	8:25:27	0.009
4/30/2010	8:26:27	0.01
4/30/2010	8:27:27	0.01
4/30/2010	8:28:27	0.009
4/30/2010	8:29:27	0.009
4/30/2010	8:30:27	0.009
4/30/2010	8:31:27	0.01
4/30/2010	8:32:27	0.009
4/30/2010	8:33:27	0.009
4/30/2010	8:34:27	0.011
4/30/2010	8:35:27	0.018
4/30/2010	8:36:27	0.012
4/30/2010	8:37:27	0.01
4/30/2010	8:38:27	0.009
4/30/2010	8:39:27	0.009
4/30/2010	8:40:27	0.009
4/30/2010	8:41:27	0.009
4/30/2010	8:42:27	0.009
4/30/2010	8:43:27	0.009
4/30/2010	8:44:27	0.011

4/30/2010	8:45:27	0.009
4/30/2010	8:46:27	0.01
4/30/2010	8:47:27	0.009
4/30/2010	8:48:27	0.009
4/30/2010	8:49:27	0.009
4/30/2010	8:50:27	0.009
4/30/2010	8:51:27	0.009
4/30/2010	8:52:27	0.011
4/30/2010	8:53:27	0.009
4/30/2010	8:54:27	0.01
4/30/2010	8:55:27	0.01
4/30/2010	8:56:27	0.01
4/30/2010	8:57:27	0.009
4/30/2010	8:58:27	0.009
4/30/2010	8:59:27	0.009
4/30/2010	9:00:27	0.009
4/30/2010	9:01:27	0.01
4/30/2010	9:02:27	0.01
4/30/2010	9:03:27	0.009
4/30/2010	9:04:27	0.011
4/30/2010	9:05:27	0.01
4/30/2010	9:06:27	0.009
4/30/2010	9:07:27	0.01
4/30/2010	9:08:27	0.01
4/30/2010	9:09:27	0.011
4/30/2010	9:10:27	0.01
4/30/2010	9:11:27	0.01
4/30/2010	9:12:27	0.01
4/30/2010	9:13:27	0.01
4/30/2010	9:14:27	0.01
4/30/2010	9:15:27	0.011
4/30/2010	9:16:27	0.009
4/30/2010	9:17:27	0.011
4/30/2010	9:18:27	0.01
4/30/2010	9:19:27	0.01
4/30/2010	9:20:27	0.009
4/30/2010	9:21:27	0.01
4/30/2010	9:22:27	0.013
4/30/2010	9:23:27	0.011
4/30/2010	9:24:27	0.01
4/30/2010	9:25:27	0.009
4/30/2010	9:26:27	0.01
4/30/2010	9:27:27	0.011
4/30/2010	9:28:27	0.01

Dust Monitoring Data - Upwind
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4/30/2010	9:29:27	0.01
4/30/2010	9:30:27	0.009
4/30/2010	9:31:27	0.009
4/30/2010	9:32:27	0.01
4/30/2010	9:33:27	0.009
4/30/2010	9:34:27	0.009
4/30/2010	9:35:27	0.009
4/30/2010	9:36:27	0.009
4/30/2010	9:37:27	0.009
4/30/2010	9:38:27	0.009
4/30/2010	9:39:27	0.01
4/30/2010	9:40:27	0.01
4/30/2010	9:41:27	0.01
4/30/2010	9:42:27	0.009
4/30/2010	9:43:27	0.009
4/30/2010	9:44:27	0.01
4/30/2010	9:45:27	0.009
4/30/2010	9:46:27	0.008
4/30/2010	9:47:27	0.009
4/30/2010	9:48:27	0.01
4/30/2010	9:49:27	0.009
4/30/2010	9:50:27	0.009
4/30/2010	9:51:27	0.009
4/30/2010	9:52:27	0.009
4/30/2010	9:53:27	0.009
4/30/2010	9:54:27	0.012
4/30/2010	9:55:27	0.009
4/30/2010	9:56:27	0.01
4/30/2010	9:57:27	0.01
4/30/2010	9:58:27	0.009
4/30/2010	9:59:27	0.009
4/30/2010	10:00:27	0.009
4/30/2010	10:01:27	0.009
4/30/2010	10:02:27	0.01
4/30/2010	10:03:27	0.009
4/30/2010	10:04:27	0.009
4/30/2010	10:05:27	0.01
4/30/2010	10:06:27	0.01
4/30/2010	10:07:27	0.011
4/30/2010	10:08:27	0.009
4/30/2010	10:09:27	0.009
4/30/2010	10:10:27	0.009
4/30/2010	10:11:27	0.009
4/30/2010	10:12:27	0.012

Dust Monitoring Data - Upwind
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4/30/2010	10:13:27	0.011
4/30/2010	10:14:27	0.01
4/30/2010	10:15:27	0.009
4/30/2010	10:16:27	0.01
4/30/2010	10:17:27	0.009
4/30/2010	10:18:27	0.009
4/30/2010	10:19:27	0.01
4/30/2010	10:20:27	0.01
4/30/2010	10:21:27	0.01
4/30/2010	10:22:27	0.01
4/30/2010	10:23:27	0.009
4/30/2010	10:24:27	0.01
4/30/2010	10:25:27	0.009
4/30/2010	10:26:27	0.009
4/30/2010	10:27:27	0.009
4/30/2010	10:28:27	0.012
4/30/2010	10:29:27	0.012
4/30/2010	10:30:27	0.01
4/30/2010	10:31:27	0.01
4/30/2010	10:32:27	0.011
4/30/2010	10:33:27	0.009
4/30/2010	10:34:27	0.011
4/30/2010	10:35:27	0.01
4/30/2010	10:36:27	0.009
4/30/2010	10:37:27	0.017
4/30/2010	10:38:27	0.011
4/30/2010	10:39:27	0.009
4/30/2010	10:40:27	0.009
4/30/2010	10:41:27	0.01
4/30/2010	10:42:27	0.01
4/30/2010	10:43:27	0.01
4/30/2010	10:44:27	0.009
4/30/2010	10:45:27	0.009
4/30/2010	10:46:27	0.01
4/30/2010	10:47:27	0.01
4/30/2010	10:48:27	0.024
4/30/2010	10:49:27	0.01
4/30/2010	10:50:27	0.01
4/30/2010	10:51:27	0.009
4/30/2010	10:52:27	0.01
4/30/2010	10:53:27	0.011
4/30/2010	10:54:27	0.01
4/30/2010	10:55:27	0.012
4/30/2010	10:56:27	0.01

Dust Monitoring Data - Upwind
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4/30/2010	10:57:27	0.01
4/30/2010	10:58:27	0.01
4/30/2010	10:59:27	0.009
4/30/2010	11:00:27	0.01
4/30/2010	11:01:27	0.016
4/30/2010	11:02:27	0.01
4/30/2010	11:03:27	0.01
4/30/2010	11:04:27	0.009
4/30/2010	11:05:27	0.011
4/30/2010	11:06:27	0.009
4/30/2010	11:07:27	0.01
4/30/2010	11:08:27	0.011
4/30/2010	11:09:27	0.009
4/30/2010	11:10:27	0.01
4/30/2010	11:11:27	0.011
4/30/2010	11:12:27	0.01
4/30/2010	11:13:27	0.009
4/30/2010	11:14:27	0.012
4/30/2010	11:15:27	0.01
4/30/2010	11:16:27	0.01
4/30/2010	11:17:27	0.009
4/30/2010	11:18:27	0.009
4/30/2010	11:19:27	0.01
4/30/2010	11:20:27	0.01
4/30/2010	11:21:27	0.009
4/30/2010	11:22:27	0.01
4/30/2010	11:23:27	0.009
4/30/2010	11:24:27	0.008
4/30/2010	11:25:27	0.011
4/30/2010	11:26:27	0.009
4/30/2010	11:27:27	0.009
4/30/2010	11:28:27	0.009
4/30/2010	11:29:27	0.011
4/30/2010	11:30:27	0.01
4/30/2010	11:31:27	0.009
4/30/2010	11:32:27	0.011
4/30/2010	11:33:27	0.01
4/30/2010	11:34:27	0.013
4/30/2010	11:35:27	0.01
4/30/2010	11:36:27	0.011
4/30/2010	11:37:27	0.009
4/30/2010	11:38:27	0.009
4/30/2010	11:39:27	0.009
4/30/2010	11:40:27	0.009

Dust Monitoring Data - Upwind
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4/30/2010	11:41:27	0.01
4/30/2010	11:42:27	0.011
4/30/2010	11:43:27	0.01
4/30/2010	11:44:27	0.01
4/30/2010	11:45:27	0.01
4/30/2010	11:46:27	0.01
4/30/2010	11:47:27	0.009
4/30/2010	11:48:27	0.01
4/30/2010	11:49:27	0.01
4/30/2010	11:50:27	0.01
4/30/2010	11:51:27	0.015
4/30/2010	11:52:27	0.01
4/30/2010	11:53:27	0.009
4/30/2010	11:54:27	0.012
4/30/2010	11:55:27	0.009
4/30/2010	11:56:27	0.012
4/30/2010	11:57:27	0.01
4/30/2010	11:58:27	0.01
4/30/2010	11:59:27	0.01
4/30/2010	12:00:27	0.009
4/30/2010	12:01:27	0.012
4/30/2010	12:02:27	0.01
4/30/2010	12:03:27	0.011
4/30/2010	12:04:27	0.012
4/30/2010	12:05:27	0.011
4/30/2010	12:06:27	0.01
4/30/2010	12:07:27	0.01
4/30/2010	12:08:27	0.01
4/30/2010	12:09:27	0.01
4/30/2010	12:10:27	0.011
4/30/2010	12:11:27	0.01
4/30/2010	12:12:27	0.009
4/30/2010	12:13:27	0.01
4/30/2010	12:14:27	0.01
4/30/2010	12:15:27	0.01
4/30/2010	12:16:27	0.01
4/30/2010	12:17:27	0.011
4/30/2010	12:18:27	0.01
4/30/2010	12:19:27	0.009
4/30/2010	12:20:27	0.01
4/30/2010	12:21:27	0.01
4/30/2010	12:22:27	0.01
4/30/2010	12:23:27	0.01
4/30/2010	12:24:27	0.01

Dust Monitoring Data - Upwind
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4/30/2010	12:25:27	0.014
4/30/2010	12:26:27	0.01
4/30/2010	12:27:27	0.011
4/30/2010	12:28:27	0.011
4/30/2010	12:29:27	0.011
4/30/2010	12:30:27	0.011
4/30/2010	12:31:27	0.011
4/30/2010	12:32:27	0.009
4/30/2010	12:33:27	0.01
4/30/2010	12:34:27	0.011
4/30/2010	12:35:27	0.01
4/30/2010	12:36:27	0.01
4/30/2010	12:37:27	0.01
4/30/2010	12:38:27	0.011
4/30/2010	12:39:27	0.01
4/30/2010	12:40:27	0.01
4/30/2010	12:41:27	0.01
4/30/2010	12:42:27	0.011
4/30/2010	12:43:27	0.011
4/30/2010	12:44:27	0.01
4/30/2010	12:45:27	0.01
4/30/2010	12:46:27	0.011
4/30/2010	12:47:27	0.011
4/30/2010	12:48:27	0.011
4/30/2010	12:49:27	0.011
4/30/2010	12:50:27	0.01
4/30/2010	12:51:27	0.01
4/30/2010	12:52:27	0.011
4/30/2010	12:53:27	0.01
4/30/2010	12:54:27	0.01
4/30/2010	12:55:27	0.011
4/30/2010	12:56:27	0.011
4/30/2010	12:57:27	0.011
4/30/2010	12:58:27	0.01
4/30/2010	12:59:27	0.01
4/30/2010	13:00:27	0.011
4/30/2010	13:01:27	0.015
4/30/2010	13:02:27	0.013
4/30/2010	13:03:27	0.011
4/30/2010	13:04:27	0.01
4/30/2010	13:05:27	0.011
4/30/2010	13:06:27	0.01
4/30/2010	13:07:27	0.012
4/30/2010	13:08:27	0.011

4/30/2010	13:09:27	0.011
4/30/2010	13:10:27	0.015
4/30/2010	13:11:27	0.012
4/30/2010	13:12:27	0.011
4/30/2010	13:13:27	0.01
4/30/2010	13:14:27	0.011
4/30/2010	13:15:27	0.013
4/30/2010	13:16:27	0.01
4/30/2010	13:17:27	0.011
4/30/2010	13:18:27	0.011
4/30/2010	13:19:27	0.011
4/30/2010	13:20:27	0.011
4/30/2010	13:21:27	0.011
4/30/2010	13:22:27	0.011
4/30/2010	13:23:27	0.012
4/30/2010	13:24:27	0.012
4/30/2010	13:25:27	0.012
4/30/2010	13:26:27	0.011
4/30/2010	13:27:27	0.011
4/30/2010	13:28:27	0.011
4/30/2010	13:29:27	0.012
4/30/2010	13:30:27	0.01
4/30/2010	13:31:27	0.011
4/30/2010	13:32:27	0.011
4/30/2010	13:33:27	0.013
4/30/2010	13:34:27	0.012
4/30/2010	13:35:27	0.015
4/30/2010	13:36:27	0.013
4/30/2010	13:37:27	0.017
4/30/2010	13:38:27	0.014
4/30/2010	13:39:27	0.015
4/30/2010	13:40:27	0.012
4/30/2010	13:41:27	0.012
4/30/2010	13:42:27	0.011
4/30/2010	13:43:27	0.025
4/30/2010	13:44:27	0.012
4/30/2010	13:45:27	0.012
4/30/2010	13:46:27	0.014
4/30/2010	13:47:27	0.011
4/30/2010	13:48:27	0.014
4/30/2010	13:49:27	0.012
4/30/2010	13:50:27	0.023
4/30/2010	13:51:27	0.011
4/30/2010	13:52:27	0.013

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4/30/2010	13:53:27	0.011
4/30/2010	13:54:27	0.011
4/30/2010	13:55:27	0.015
4/30/2010	13:56:27	0.012
4/30/2010	13:57:27	0.01
4/30/2010	13:58:27	0.011
4/30/2010	13:59:27	0.011
4/30/2010	14:00:27	0.014
4/30/2010	14:01:27	0.012
4/30/2010	14:02:27	0.011
4/30/2010	14:03:27	0.01
4/30/2010	14:04:27	0.011
4/30/2010	14:05:27	0.011
4/30/2010	14:06:27	0.014
4/30/2010	14:07:27	0.012
4/30/2010	14:08:27	0.037
4/30/2010	14:09:27	0.016
4/30/2010	14:10:27	0.011
4/30/2010	14:11:27	0.011
4/30/2010	14:12:27	0.012
4/30/2010	14:13:27	0.011
4/30/2010	14:14:27	0.012
4/30/2010	14:15:27	0.012
4/30/2010	14:16:27	0.013
4/30/2010	14:17:27	0.012
4/30/2010	14:18:27	0.012
4/30/2010	14:19:27	0.012
4/30/2010	14:20:27	0.011
4/30/2010	14:21:27	0.011
4/30/2010	14:22:27	0.012
4/30/2010	14:23:27	0.011
4/30/2010	14:24:27	0.011
4/30/2010	14:25:27	0.011
4/30/2010	14:26:27	0.011
4/30/2010	14:27:27	0.013
4/30/2010	14:28:27	0.012
4/30/2010	14:29:27	0.012
4/30/2010	14:30:27	0.011
4/30/2010	14:31:27	0.011
4/30/2010	14:32:27	0.012
4/30/2010	14:33:27	0.011
4/30/2010	14:34:27	0.012
4/30/2010	14:35:27	0.011
4/30/2010	14:36:27	0.012

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April 30, 2010

4/30/2010	14:37:27	0.011
4/30/2010	14:38:27	0.012
4/30/2010	14:39:27	0.013
4/30/2010	14:40:27	0.012
4/30/2010	14:41:27	0.011
4/30/2010	14:42:27	0.011
4/30/2010	14:43:27	0.011
4/30/2010	14:44:27	0.01
4/30/2010	14:45:27	0.013
4/30/2010	14:46:27	0.011
4/30/2010	14:47:27	0.011
4/30/2010	14:48:27	0.012
4/30/2010	14:49:27	0.021
4/30/2010	14:50:27	0.01
4/30/2010	14:51:27	0.01
4/30/2010	14:52:27	0.011
4/30/2010	14:53:27	0.017
4/30/2010	14:54:27	0.012
4/30/2010	14:55:27	0.011
4/30/2010	14:56:27	0.013
4/30/2010	14:57:27	0.018
4/30/2010	14:58:27	0.011
4/30/2010	14:59:27	0.011
4/30/2010	15:00:27	0.011
4/30/2010	15:01:27	0.011
4/30/2010	15:02:27	0.011
4/30/2010	15:03:27	0.011
4/30/2010	15:04:27	0.01
4/30/2010	15:05:27	0.011
4/30/2010	15:06:27	0.011
4/30/2010	15:07:27	0.011
4/30/2010	15:08:27	0.011
4/30/2010	15:09:27	0.026
4/30/2010	15:10:27	0.014
4/30/2010	15:11:27	0.01
4/30/2010	15:12:27	0.01
4/30/2010	15:13:27	0.011
4/30/2010	15:14:27	0.011
4/30/2010	15:15:27	0.012
4/30/2010	15:16:27	0.011
4/30/2010	15:17:27	0.011
4/30/2010	15:18:27	0.012
4/30/2010	15:19:27	0.012
4/30/2010	15:20:27	0.013

Dust Monitoring Data - Upwind
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4/30/2010	15:21:27	0.012
4/30/2010	15:22:27	0.01
4/30/2010	15:23:27	0.011
4/30/2010	15:24:27	0.012
4/30/2010	15:25:27	0.011
4/30/2010	15:26:27	0.014
4/30/2010	15:27:27	0.011
4/30/2010	15:28:27	0.012
4/30/2010	15:29:27	0.011
4/30/2010	15:30:27	0.014
4/30/2010	15:31:27	0.016
4/30/2010	15:32:27	0.011
4/30/2010	15:33:27	0.011
4/30/2010	15:34:27	0.011
4/30/2010	15:35:27	0.011
4/30/2010	15:36:27	0.012
4/30/2010	15:37:27	0.014
4/30/2010	15:38:27	0.013
4/30/2010	15:39:27	0.01
4/30/2010	15:40:27	0.01
4/30/2010	15:41:27	0.01
4/30/2010	15:42:27	0.012
4/30/2010	15:43:27	0.012
4/30/2010	15:44:27	0.011
4/30/2010	15:45:27	0.012
4/30/2010	15:46:27	0.011
4/30/2010	15:47:27	0.012
4/30/2010	15:48:27	0.024
4/30/2010	15:49:27	0.012
4/30/2010	15:50:27	0.012
4/30/2010	15:51:27	0.012
4/30/2010	15:52:27	0.012
4/30/2010	15:53:27	0.014
4/30/2010	15:54:27	0.012
4/30/2010	15:55:27	0.012
4/30/2010	15:56:27	0.015
4/30/2010	15:57:27	0.011
4/30/2010	15:58:27	0.011
4/30/2010	15:59:27	0.011
4/30/2010	16:00:27	0.012
4/30/2010	16:01:27	0.011
4/30/2010	16:02:27	0.011
4/30/2010	16:03:27	0.011
4/30/2010	16:04:27	0.011

Dust Monitoring Data - Upwind
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4/30/2010	16:05:27	0.012
4/30/2010	16:06:27	0.017
4/30/2010	16:07:27	0.012
4/30/2010	16:08:27	0.015
4/30/2010	16:09:27	0.011
4/30/2010	16:10:27	0.011
4/30/2010	16:11:27	0.011
4/30/2010	16:12:27	0.011
4/30/2010	16:13:27	0.012
4/30/2010	16:14:27	0.012
4/30/2010	16:15:27	0.011
4/30/2010	16:16:27	0.013

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 30, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	1
Test Abbreviation:	
Start Date:	4/30/2010
Start Time:	7:46:22
Duration (dd:hh:mm:ss):	0:08:28:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	508
Notes:	Worksite/Nearest Property

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.01
Minimum:	0.007
Time of Minimum:	7:53:22
Date of Minimum:	4/30/2010
Maximum:	0.038
Time of Maximum:	11:37:22
Date of Maximum:	4/30/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
4/30/2010	7:47:22	0.008
4/30/2010	7:48:22	0.008
4/30/2010	7:49:22	0.009
4/30/2010	7:50:22	0.008
4/30/2010	7:51:22	0.009
4/30/2010	7:52:22	0.008
4/30/2010	7:53:22	0.007
4/30/2010	7:54:22	0.009
4/30/2010	7:55:22	0.009
4/30/2010	7:56:22	0.008
4/30/2010	7:57:22	0.009
4/30/2010	7:58:22	0.009
4/30/2010	7:59:22	0.009

4/30/2010	8:00:22	0.009
4/30/2010	8:01:22	0.009
4/30/2010	8:02:22	0.008
4/30/2010	8:03:22	0.010
4/30/2010	8:04:22	0.008
4/30/2010	8:05:22	0.009
4/30/2010	8:06:22	0.009
4/30/2010	8:07:22	0.009
4/30/2010	8:08:22	0.010
4/30/2010	8:09:22	0.008
4/30/2010	8:10:22	0.009
4/30/2010	8:11:22	0.009
4/30/2010	8:12:22	0.009
4/30/2010	8:13:22	0.009
4/30/2010	8:14:22	0.009
4/30/2010	8:15:22	0.008
4/30/2010	8:16:22	0.009
4/30/2010	8:17:22	0.011
4/30/2010	8:18:22	0.010
4/30/2010	8:19:22	0.009
4/30/2010	8:20:22	0.010
4/30/2010	8:21:22	0.009
4/30/2010	8:22:22	0.009
4/30/2010	8:23:22	0.009
4/30/2010	8:24:22	0.009
4/30/2010	8:25:22	0.009
4/30/2010	8:26:22	0.010
4/30/2010	8:27:22	0.012
4/30/2010	8:28:22	0.008
4/30/2010	8:29:22	0.010
4/30/2010	8:30:22	0.009
4/30/2010	8:31:22	0.009
4/30/2010	8:32:22	0.009
4/30/2010	8:33:22	0.009
4/30/2010	8:34:22	0.008
4/30/2010	8:35:22	0.010
4/30/2010	8:36:22	0.012
4/30/2010	8:37:22	0.010
4/30/2010	8:38:22	0.009
4/30/2010	8:39:22	0.009
4/30/2010	8:40:22	0.008
4/30/2010	8:41:22	0.008
4/30/2010	8:42:22	0.010
4/30/2010	8:43:22	0.009

4/30/2010	8:44:22	0.008
4/30/2010	8:45:22	0.009
4/30/2010	8:46:22	0.008
4/30/2010	8:47:22	0.008
4/30/2010	8:48:22	0.009
4/30/2010	8:49:22	0.008
4/30/2010	8:50:22	0.008
4/30/2010	8:51:22	0.009
4/30/2010	8:52:22	0.008
4/30/2010	8:53:22	0.010
4/30/2010	8:54:22	0.008
4/30/2010	8:55:22	0.007
4/30/2010	8:56:22	0.008
4/30/2010	8:57:22	0.008
4/30/2010	8:58:22	0.008
4/30/2010	8:59:22	0.008
4/30/2010	9:00:22	0.008
4/30/2010	9:01:22	0.009
4/30/2010	9:02:22	0.008
4/30/2010	9:03:22	0.010
4/30/2010	9:04:22	0.008
4/30/2010	9:05:22	0.009
4/30/2010	9:06:22	0.009
4/30/2010	9:07:22	0.009
4/30/2010	9:08:22	0.009
4/30/2010	9:09:22	0.008
4/30/2010	9:10:22	0.010
4/30/2010	9:11:22	0.010
4/30/2010	9:12:22	0.009
4/30/2010	9:13:22	0.009
4/30/2010	9:14:22	0.009
4/30/2010	9:15:22	0.008
4/30/2010	9:16:22	0.009
4/30/2010	9:17:22	0.009
4/30/2010	9:18:22	0.009
4/30/2010	9:19:22	0.010
4/30/2010	9:20:22	0.009
4/30/2010	9:21:22	0.009
4/30/2010	9:22:22	0.009
4/30/2010	9:23:22	0.010
4/30/2010	9:24:22	0.010
4/30/2010	9:25:22	0.010
4/30/2010	9:26:22	0.009
4/30/2010	9:27:22	0.010

4/30/2010	9:28:22	0.009
4/30/2010	9:29:22	0.010
4/30/2010	9:30:22	0.010
4/30/2010	9:31:22	0.010
4/30/2010	9:32:22	0.010
4/30/2010	9:33:22	0.011
4/30/2010	9:34:22	0.010
4/30/2010	9:35:22	0.010
4/30/2010	9:36:22	0.010
4/30/2010	9:37:22	0.012
4/30/2010	9:38:22	0.011
4/30/2010	9:39:22	0.009
4/30/2010	9:40:22	0.011
4/30/2010	9:41:22	0.010
4/30/2010	9:42:22	0.013
4/30/2010	9:43:22	0.011
4/30/2010	9:44:22	0.010
4/30/2010	9:45:22	0.010
4/30/2010	9:46:22	0.011
4/30/2010	9:47:22	0.010
4/30/2010	9:48:22	0.009
4/30/2010	9:49:22	0.010
4/30/2010	9:50:22	0.010
4/30/2010	9:51:22	0.010
4/30/2010	9:52:22	0.010
4/30/2010	9:53:22	0.009
4/30/2010	9:54:22	0.010
4/30/2010	9:55:22	0.010
4/30/2010	9:56:22	0.010
4/30/2010	9:57:22	0.011
4/30/2010	9:58:22	0.011
4/30/2010	9:59:22	0.011
4/30/2010	10:00:22	0.010
4/30/2010	10:01:22	0.010
4/30/2010	10:02:22	0.011
4/30/2010	10:03:22	0.010
4/30/2010	10:04:22	0.010
4/30/2010	10:05:22	0.011
4/30/2010	10:06:22	0.010
4/30/2010	10:07:22	0.010
4/30/2010	10:08:22	0.011
4/30/2010	10:09:22	0.010
4/30/2010	10:10:22	0.011
4/30/2010	10:11:22	0.010

4/30/2010	10:12:22	0.010
4/30/2010	10:13:22	0.011
4/30/2010	10:14:22	0.022
4/30/2010	10:15:22	0.010
4/30/2010	10:16:22	0.010
4/30/2010	10:17:22	0.010
4/30/2010	10:18:22	0.010
4/30/2010	10:19:22	0.010
4/30/2010	10:20:22	0.012
4/30/2010	10:21:22	0.011
4/30/2010	10:22:22	0.010
4/30/2010	10:23:22	0.010
4/30/2010	10:24:22	0.011
4/30/2010	10:25:22	0.010
4/30/2010	10:26:22	0.012
4/30/2010	10:27:22	0.011
4/30/2010	10:28:22	0.011
4/30/2010	10:29:22	0.011
4/30/2010	10:30:22	0.010
4/30/2010	10:31:22	0.011
4/30/2010	10:32:22	0.011
4/30/2010	10:33:22	0.010
4/30/2010	10:34:22	0.012
4/30/2010	10:35:22	0.012
4/30/2010	10:36:22	0.011
4/30/2010	10:37:22	0.012
4/30/2010	10:38:22	0.010
4/30/2010	10:39:22	0.010
4/30/2010	10:40:22	0.010
4/30/2010	10:41:22	0.012
4/30/2010	10:42:22	0.011
4/30/2010	10:43:22	0.011
4/30/2010	10:44:22	0.011
4/30/2010	10:45:22	0.010
4/30/2010	10:46:22	0.011
4/30/2010	10:47:22	0.011
4/30/2010	10:48:22	0.011
4/30/2010	10:49:22	0.011
4/30/2010	10:50:22	0.012
4/30/2010	10:51:22	0.011
4/30/2010	10:52:22	0.011
4/30/2010	10:53:22	0.011
4/30/2010	10:54:22	0.011
4/30/2010	10:55:22	0.011

4/30/2010	10:56:22	0.012
4/30/2010	10:57:22	0.012
4/30/2010	10:58:22	0.011
4/30/2010	10:59:22	0.011
4/30/2010	11:00:22	0.011
4/30/2010	11:01:22	0.011
4/30/2010	11:02:22	0.011
4/30/2010	11:03:22	0.012
4/30/2010	11:04:22	0.014
4/30/2010	11:05:22	0.011
4/30/2010	11:06:22	0.011
4/30/2010	11:07:22	0.011
4/30/2010	11:08:22	0.011
4/30/2010	11:09:22	0.013
4/30/2010	11:10:22	0.011
4/30/2010	11:11:22	0.011
4/30/2010	11:12:22	0.011
4/30/2010	11:13:22	0.012
4/30/2010	11:14:22	0.010
4/30/2010	11:15:22	0.010
4/30/2010	11:16:22	0.011
4/30/2010	11:17:22	0.010
4/30/2010	11:18:22	0.010
4/30/2010	11:19:22	0.011
4/30/2010	11:20:22	0.011
4/30/2010	11:21:22	0.011
4/30/2010	11:22:22	0.010
4/30/2010	11:23:22	0.010
4/30/2010	11:24:22	0.011
4/30/2010	11:25:22	0.010
4/30/2010	11:26:22	0.011
4/30/2010	11:27:22	0.011
4/30/2010	11:28:22	0.011
4/30/2010	11:29:22	0.010
4/30/2010	11:30:22	0.011
4/30/2010	11:31:22	0.011
4/30/2010	11:32:22	0.011
4/30/2010	11:33:22	0.010
4/30/2010	11:34:22	0.011
4/30/2010	11:35:22	0.023
4/30/2010	11:36:22	0.012
4/30/2010	11:37:22	0.038
4/30/2010	11:38:22	0.011
4/30/2010	11:39:22	0.011

4/30/2010	11:40:22	0.010
4/30/2010	11:41:22	0.010
4/30/2010	11:42:22	0.011
4/30/2010	11:43:22	0.010
4/30/2010	11:44:22	0.012
4/30/2010	11:45:22	0.011
4/30/2010	11:46:22	0.011
4/30/2010	11:47:22	0.011
4/30/2010	11:48:22	0.012
4/30/2010	11:49:22	0.011
4/30/2010	11:50:22	0.010
4/30/2010	11:51:22	0.010
4/30/2010	11:52:22	0.013
4/30/2010	11:53:22	0.011
4/30/2010	11:54:22	0.011
4/30/2010	11:55:22	0.011
4/30/2010	11:56:22	0.010
4/30/2010	11:57:22	0.018
4/30/2010	11:58:22	0.011
4/30/2010	11:59:22	0.011
4/30/2010	12:00:22	0.011
4/30/2010	12:01:22	0.011
4/30/2010	12:02:22	0.010
4/30/2010	12:03:22	0.013
4/30/2010	12:04:22	0.010
4/30/2010	12:05:22	0.011
4/30/2010	12:06:22	0.012
4/30/2010	12:07:22	0.010
4/30/2010	12:08:22	0.010
4/30/2010	12:09:22	0.011
4/30/2010	12:10:22	0.010
4/30/2010	12:11:22	0.010
4/30/2010	12:12:22	0.010
4/30/2010	12:13:22	0.012
4/30/2010	12:14:22	0.011
4/30/2010	12:15:22	0.011
4/30/2010	12:16:22	0.011
4/30/2010	12:17:22	0.011
4/30/2010	12:18:22	0.010
4/30/2010	12:19:22	0.010
4/30/2010	12:20:22	0.011
4/30/2010	12:21:22	0.010
4/30/2010	12:22:22	0.010
4/30/2010	12:23:22	0.010

4/30/2010	12:24:22	0.010
4/30/2010	12:25:22	0.010
4/30/2010	12:26:22	0.010
4/30/2010	12:27:22	0.010
4/30/2010	12:28:22	0.010
4/30/2010	12:29:22	0.010
4/30/2010	12:30:22	0.010
4/30/2010	12:31:22	0.010
4/30/2010	12:32:22	0.011
4/30/2010	12:33:22	0.009
4/30/2010	12:34:22	0.010
4/30/2010	12:35:22	0.011
4/30/2010	12:36:22	0.011
4/30/2010	12:37:22	0.010
4/30/2010	12:38:22	0.011
4/30/2010	12:39:22	0.010
4/30/2010	12:40:22	0.010
4/30/2010	12:41:22	0.010
4/30/2010	12:42:22	0.009
4/30/2010	12:43:22	0.010
4/30/2010	12:44:22	0.010
4/30/2010	12:45:22	0.010
4/30/2010	12:46:22	0.009
4/30/2010	12:47:22	0.009
4/30/2010	12:48:22	0.009
4/30/2010	12:49:22	0.010
4/30/2010	12:50:22	0.009
4/30/2010	12:51:22	0.010
4/30/2010	12:52:22	0.010
4/30/2010	12:53:22	0.009
4/30/2010	12:54:22	0.009
4/30/2010	12:55:22	0.009
4/30/2010	12:56:22	0.009
4/30/2010	12:57:22	0.009
4/30/2010	12:58:22	0.008
4/30/2010	12:59:22	0.008
4/30/2010	13:00:22	0.010
4/30/2010	13:01:22	0.008
4/30/2010	13:02:22	0.009
4/30/2010	13:03:22	0.012
4/30/2010	13:04:22	0.010
4/30/2010	13:05:22	0.008
4/30/2010	13:06:22	0.009
4/30/2010	13:07:22	0.009

4/30/2010	13:08:22	0.010
4/30/2010	13:09:22	0.008
4/30/2010	13:10:22	0.008
4/30/2010	13:11:22	0.009
4/30/2010	13:12:22	0.010
4/30/2010	13:13:22	0.009
4/30/2010	13:14:22	0.008
4/30/2010	13:15:22	0.008
4/30/2010	13:16:22	0.009
4/30/2010	13:17:22	0.008
4/30/2010	13:18:22	0.008
4/30/2010	13:19:22	0.012
4/30/2010	13:20:22	0.014
4/30/2010	13:21:22	0.009
4/30/2010	13:22:22	0.008
4/30/2010	13:23:22	0.010
4/30/2010	13:24:22	0.009
4/30/2010	13:25:22	0.008
4/30/2010	13:26:22	0.008
4/30/2010	13:27:22	0.009
4/30/2010	13:28:22	0.008
4/30/2010	13:29:22	0.008
4/30/2010	13:30:22	0.009
4/30/2010	13:31:22	0.008
4/30/2010	13:32:22	0.008
4/30/2010	13:33:22	0.009
4/30/2010	13:34:22	0.013
4/30/2010	13:35:22	0.010
4/30/2010	13:36:22	0.009
4/30/2010	13:37:22	0.012
4/30/2010	13:38:22	0.009
4/30/2010	13:39:22	0.009
4/30/2010	13:40:22	0.010
4/30/2010	13:41:22	0.010
4/30/2010	13:42:22	0.011
4/30/2010	13:43:22	0.010
4/30/2010	13:44:22	0.009
4/30/2010	13:45:22	0.010
4/30/2010	13:46:22	0.009
4/30/2010	13:47:22	0.009
4/30/2010	13:48:22	0.009
4/30/2010	13:49:22	0.010
4/30/2010	13:50:22	0.009
4/30/2010	13:51:22	0.008

4/30/2010	13:52:22	0.010
4/30/2010	13:53:22	0.011
4/30/2010	13:54:22	0.010
4/30/2010	13:55:22	0.014
4/30/2010	13:56:22	0.008
4/30/2010	13:57:22	0.010
4/30/2010	13:58:22	0.009
4/30/2010	13:59:22	0.008
4/30/2010	14:00:22	0.008
4/30/2010	14:01:22	0.008
4/30/2010	14:02:22	0.011
4/30/2010	14:03:22	0.011
4/30/2010	14:04:22	0.009
4/30/2010	14:05:22	0.008
4/30/2010	14:06:22	0.010
4/30/2010	14:07:22	0.010
4/30/2010	14:08:22	0.011
4/30/2010	14:09:22	0.012
4/30/2010	14:10:22	0.019
4/30/2010	14:11:22	0.015
4/30/2010	14:12:22	0.009
4/30/2010	14:13:22	0.015
4/30/2010	14:14:22	0.011
4/30/2010	14:15:22	0.009
4/30/2010	14:16:22	0.010
4/30/2010	14:17:22	0.010
4/30/2010	14:18:22	0.009
4/30/2010	14:19:22	0.008
4/30/2010	14:20:22	0.010
4/30/2010	14:21:22	0.009
4/30/2010	14:22:22	0.009
4/30/2010	14:23:22	0.009
4/30/2010	14:24:22	0.008
4/30/2010	14:25:22	0.009
4/30/2010	14:26:22	0.012
4/30/2010	14:27:22	0.010
4/30/2010	14:28:22	0.012
4/30/2010	14:29:22	0.009
4/30/2010	14:30:22	0.009
4/30/2010	14:31:22	0.009
4/30/2010	14:32:22	0.009
4/30/2010	14:33:22	0.008
4/30/2010	14:34:22	0.009
4/30/2010	14:35:22	0.013

4/30/2010	14:36:22	0.009
4/30/2010	14:37:22	0.008
4/30/2010	14:38:22	0.010
4/30/2010	14:39:22	0.010
4/30/2010	14:40:22	0.011
4/30/2010	14:41:22	0.010
4/30/2010	14:42:22	0.009
4/30/2010	14:43:22	0.008
4/30/2010	14:44:22	0.008
4/30/2010	14:45:22	0.008
4/30/2010	14:46:22	0.010
4/30/2010	14:47:22	0.008
4/30/2010	14:48:22	0.009
4/30/2010	14:49:22	0.009
4/30/2010	14:50:22	0.011
4/30/2010	14:51:22	0.033
4/30/2010	14:52:22	0.009
4/30/2010	14:53:22	0.010
4/30/2010	14:54:22	0.009
4/30/2010	14:55:22	0.009
4/30/2010	14:56:22	0.010
4/30/2010	14:57:22	0.008
4/30/2010	14:58:22	0.011
4/30/2010	14:59:22	0.008
4/30/2010	15:00:22	0.008
4/30/2010	15:01:22	0.010
4/30/2010	15:02:22	0.009
4/30/2010	15:03:22	0.009
4/30/2010	15:04:22	0.008
4/30/2010	15:05:22	0.009
4/30/2010	15:06:22	0.008
4/30/2010	15:07:22	0.009
4/30/2010	15:08:22	0.009
4/30/2010	15:09:22	0.008
4/30/2010	15:10:22	0.011
4/30/2010	15:11:22	0.009
4/30/2010	15:12:22	0.008
4/30/2010	15:13:22	0.009
4/30/2010	15:14:22	0.014
4/30/2010	15:15:22	0.008
4/30/2010	15:16:22	0.009
4/30/2010	15:17:22	0.010
4/30/2010	15:18:22	0.009
4/30/2010	15:19:22	0.010

4/30/2010	15:20:22	0.010
4/30/2010	15:21:22	0.009
4/30/2010	15:22:22	0.010
4/30/2010	15:23:22	0.009
4/30/2010	15:24:22	0.009
4/30/2010	15:25:22	0.009
4/30/2010	15:26:22	0.008
4/30/2010	15:27:22	0.012
4/30/2010	15:28:22	0.008
4/30/2010	15:29:22	0.010
4/30/2010	15:30:22	0.010
4/30/2010	15:31:22	0.008
4/30/2010	15:32:22	0.010
4/30/2010	15:33:22	0.008
4/30/2010	15:34:22	0.009
4/30/2010	15:35:22	0.008
4/30/2010	15:36:22	0.010
4/30/2010	15:37:22	0.013
4/30/2010	15:38:22	0.009
4/30/2010	15:39:22	0.009
4/30/2010	15:40:22	0.009
4/30/2010	15:41:22	0.007
4/30/2010	15:42:22	0.008
4/30/2010	15:43:22	0.008
4/30/2010	15:44:22	0.009
4/30/2010	15:45:22	0.009
4/30/2010	15:46:22	0.010
4/30/2010	15:47:22	0.012
4/30/2010	15:48:22	0.010
4/30/2010	15:49:22	0.010
4/30/2010	15:50:22	0.014
4/30/2010	15:51:22	0.010
4/30/2010	15:52:22	0.009
4/30/2010	15:53:22	0.009
4/30/2010	15:54:22	0.010
4/30/2010	15:55:22	0.009
4/30/2010	15:56:22	0.009
4/30/2010	15:57:22	0.009
4/30/2010	15:58:22	0.010
4/30/2010	15:59:22	0.010
4/30/2010	16:00:22	0.011
4/30/2010	16:01:22	0.009
4/30/2010	16:02:22	0.011
4/30/2010	16:03:22	0.010

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
April 30, 2010

4/30/2010	16:04:22	0.017
4/30/2010	16:05:22	0.008
4/30/2010	16:06:22	0.009
4/30/2010	16:07:22	0.010
4/30/2010	16:08:22	0.010
4/30/2010	16:09:22	0.011
4/30/2010	16:10:22	0.010
4/30/2010	16:11:22	0.015
4/30/2010	16:12:22	0.009
4/30/2010	16:13:22	0.009
4/30/2010	16:14:22	0.013

Dust Monitoring Data - Downind
City of New Bedford - Former Reliable Trss Site
New Bedford, Massachusetts
April 30, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_001
Test Start Time	8:09:13 AM
Test Start Date	4/30/2010
Test Length [D:H:M]	0:08:35
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.008
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.188
Mass TWA [mg/m3]	0.008
Photometric User Cal	1
Flow User Cal	1
Errors	
Number of Samples	515
Number of STELS	5
STEL Start Time	1:53:22 PM
STEL Start Date	4/30/2010
STEL Average [mg/m3]	0.026
STEL Minimum [mg/m3]	0
STEL Maximum [mg/m3]	1.15
STEL Start Time	2:20:54 PM
STEL Start Date	4/30/2010
STEL Average [mg/m3]	0.021
STEL Minimum [mg/m3]	0
STEL Maximum [mg/m3]	0.833
STEL Start Time	2:42:36 PM
STEL Start Date	4/30/2010
STEL Average [mg/m3]	0.026
STEL Minimum [mg/m3]	0
STEL Maximum [mg/m3]	1.03
STEL Start Time	3:14:53 PM
STEL Start Date	4/30/2010
STEL Average [mg/m3]	0.025
STEL Minimum [mg/m3]	0
STEL Maximum [mg/m3]	0.691

Dust Monitoring Data - Downind
City of New Bedford - Former Reliable Trss Site
New Bedford, Massachusetts
April 30, 2010

STEL Start Time	3:37:07 PM
STEL Start Date	4/30/2010
STEL Average [mg/m3]	0.01
STEL Minimum [mg/m3]	0
STEL Maximum [mg/m3]	2.4

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.002		
120	0.000		
180	0.003		
240	0.002		
300	0.009		
360	0.001		
420	0.002		
480	0.000		
540	0.000		
600	0.004		
660	0.005		
720	0.011		
780	0.000		
840	0.001		
900	0.008		
960	0.013		
1020	0.015		
1080	0.006		
1140	0.014		
1200	0.009		
1260	0.007		
1320	0.006		
1380	0.000		
1440	0.000		
1500	0.008		
1560	0.001		
1620	0.001		
1680	0.003		
1740	0.001		
1800	0.012		
1860	0.011		
1920	0.003		
1980	0.000		
2040	0.013		
2100	0.000		
2160	0.000		
2220	0.001		

2280	0.005		
2340	0.007		
2400	0.007		
2460	0.001		
2520	0.003		
2580	0.001		
2640	0.006		
2700	0.004		
2760	0.003		
2820	0.003		
2880	0.007		
2940	0.002		
3000	0.007		
3060	0.002		
3120	0.001		
3180	0.004		
3240	0.006		
3300	0.001		
3360	0.001		
3420	0.000		
3480	0.001		
3540	0.001		
3600	0.002		
3660	0.001		
3720	0.000		
3780	0.001		
3840	0.001		
3900	0.001		
3960	0.001		
4020	0.001		
4080	0.001		
4140	0.000		
4200	0.000		
4260	0.001		
4320	0.000		
4380	0.003		
4440	0.004		
4500	0.000		
4560	0.001		
4620	0.038		
4680	0.006		
4740	0.009		
4800	0.015		
4860	0.010		

4920	0.009		
4980	0.011		
5040	0.003		
5100	0.005		
5160	0.010		
5220	0.002		
5280	0.001		
5340	0.001		
5400	0.003		
5460	0.002		
5520	0.000		
5580	0.001		
5640	0.001		
5700	0.001		
5760	0.001		
5820	0.003		
5880	0.002		
5940	0.001		
6000	0.002		
6060	0.007		
6120	0.000		
6180	0.001		
6240	0.001		
6300	0.003		
6360	0.008		
6420	0.048		
6480	0.010		
6540	0.004		
6600	0.006		
6660	0.001		
6720	0.001		
6780	0.001		
6840	0.000		
6900	0.001		
6960	0.003		
7020	0.001		
7080	0.000		
7140	0.000		
7200	0.000		
7260	0.000		
7320	0.001		
7380	0.023		
7440	0.002		
7500	0.001		

7560	0.000		
7620	0.001		
7680	0.000		
7740	0.001		
7800	0.002		
7860	0.000		
7920	0.000		
7980	0.000		
8040	0.049		
8100	0.006		
8160	0.002		
8220	0.001		
8280	0.000		
8340	0.000		
8400	0.000		
8460	0.000		
8520	0.000		
8580	0.001		
8640	0.005		
8700	0.007		
8760	0.005		
8820	0.001		
8880	0.001		
8940	0.004		
9000	0.004		
9060	0.001		
9120	0.001		
9180	0.000		
9240	0.011		
9300	0.001		
9360	0.030		
9420	0.015		
9480	0.002		
9540	0.005		
9600	0.002		
9660	0.003		
9720	0.003		
9780	0.010		
9840	0.003		
9900	0.000		
9960	0.004		
10020	0.016		
10080	0.001		
10140	0.000		

10200	0.003		
10260	0.005		
10320	0.003		
10380	0.000		
10440	0.027		
10500	0.046		
10560	0.010		
10620	0.007		
10680	0.000		
10740	0.000		
10800	0.000		
10860	0.003		
10920	0.000		
10980	0.002		
11040	0.005		
11100	0.000		
11160	0.004		
11220	0.000		
11280	0.013		
11340	0.005		
11400	0.005		
11460	0.000		
11520	0.010		
11580	0.001		
11640	0.010		
11700	0.001		
11760	0.001		
11820	0.006		
11880	0.001		
11940	0.021		
12000	0.019		
12060	0.001		
12120	0.001		
12180	0.004		
12240	0.012		
12300	0.002		
12360	0.005		
12420	0.043		
12480	0.002		
12540	0.002		
12600	0.001		
12660	0.008		
12720	0.004		
12780	0.001		

12840	0.002		
12900	0.001		
12960	0.002		
13020	0.000		
13080	0.000		
13140	0.000		
13200	0.001		
13260	0.000		
13320	0.000		
13380	0.010		
13440	0.001		
13500	0.000		
13560	0.000		
13620	0.000		
13680	0.001		
13740	0.000		
13800	0.000		
13860	0.000		
13920	0.000		
13980	0.000		
14040	0.000		
14100	0.001		
14160	0.000		
14220	0.002		
14280	0.000		
14340	0.000		
14400	0.000		
14460	0.000		
14520	0.000		
14580	0.001		
14640	0.001		
14700	0.005		
14760	0.002		
14820	0.000		
14880	0.004		
14940	0.003		
15000	0.000		
15060	0.000		
15120	0.000		
15180	0.000		
15240	0.000		
15300	0.000		
15360	0.000		
15420	0.001		

15480	0.000		
15540	0.001		
15600	0.000		
15660	0.000		
15720	0.000		
15780	0.001		
15840	0.009		
15900	0.000		
15960	0.004		
16020	0.005		
16080	0.000		
16140	0.001		
16200	0.001		
16260	0.000		
16320	0.005		
16380	0.002		
16440	0.000		
16500	0.000		
16560	0.000		
16620	0.005		
16680	0.022		
16740	0.008		
16800	0.001		
16860	0.002		
16920	0.000		
16980	0.000		
17040	0.001		
17100	0.002		
17160	0.009		
17220	0.001		
17280	0.033		
17340	0.011		
17400	0.007		
17460	0.019		
17520	0.037		
17580	0.039		
17640	0.008		
17700	0.001		
17760	0.004		
17820	0.009		
17880	0.009		
17940	0.001		
18000	0.000		
18060	0.001		

18120	0.000		
18180	0.017		
18240	0.002		
18300	0.001		
18360	0.000		
18420	0.001		
18480	0.001		
18540	0.001		
18600	0.000		
18660	0.000		
18720	0.000		
18780	0.002		
18840	0.000		
18900	0.000		
18960	0.000		
19020	0.001		
19080	0.001		
19140	0.000		
19200	0.000		
19260	0.007		
19320	0.006		
19380	0.004		
19440	0.004		
19500	0.006		
19560	0.006		
19620	0.003		
19680	0.001		
19740	0.009		
19800	0.000		
19860	0.011		
19920	0.061		
19980	0.029		
20040	0.010		
20100	0.013		
20160	0.001		
20220	0.010		
20280	0.008		
20340	0.001		
20400	0.008		
20460	0.010		
20520	0.010		
20580	0.002		
20640	0.031		
20700	0.132	1	

20760	0.012	1	
20820	0.004	1	
20880	0.005	1	
20940	0.002	1	
21000	0.042	1	
21060	0.021	1	
21120	0.003	1	
21180	0.015	1	
21240	0.020	1	
21300	0.049	1	
21360	0.037	1	
21420	0.027	1	
21480	0.015	1	
21540	0.013	1	
21600	0.018	1	
21660	0.010	1	
21720	0.006	1	
21780	0.029	1	
21840	0.004	1	
21900	0.017	1	
21960	0.034	1	
22020	0.004	1	
22080	0.018	1	
22140	0.026	1	
22200	0.006	1	
22260	0.025	1	
22320	0.188	1	
22380	0.065	1	
22440	0.023	1	
22500	0.025	1	
22560	0.020	1	
22620	0.009	1	
22680	0.003	1	
22740	0.007	1	
22800	0.006	1	
22860	0.010	1	
22920	0.000	1	
22980	0.000	1	
23040	0.003	1	
23100	0.017	1	
23160	0.005	1	
23220	0.008	1	
23280	0.002	1	
23340	0.001	1	

23400	0.001	1	
23460	0.018	1	
23520	0.006	1	
23580	0.003	1	
23640	0.071	1	
23700	0.022	1	
23760	0.006	1	
23820	0.002	1	
23880	0.088	1	
23940	0.031	1	
24000	0.033	1	
24060	0.092	1	
24120	0.023	1	
24180	0.010	1	
24240	0.002	1	
24300	0.047	1	
24360	0.001	1	
24420	0.000	1	
24480	0.000	1	
24540	0.000	1	
24600	0.000	1	
24660	0.001	1	
24720	0.001	1	
24780	0.000	1	
24840	0.004	1	
24900	0.012	1	
24960	0.032	1	
25020	0.026	1	
25080	0.014	1	
25140	0.001	1	
25200	0.000	1	
25260	0.001	1	
25320	0.001	1	
25380	0.051	1	
25440	0.007	1	
25500	0.002	1	
25560	0.109	1	
25620	0.005	1	
25680	0.006	1	
25740	0.065	1	
25800	0.067	1	
25860	0.005	1	
25920	0.009	1	
25980	0.011	1	

26040	0.038	1	
26100	0.057	1	
26160	0.054	1	
26220	0.004	1	
26280	0.002	1	
26340	0.001	1	
26400	0.000	1	
26460	0.000	1	
26520	0.000	1	
26580	0.000	1	
26640	0.001	1	
26700	0.003	1	
26760	0.006	1	
26820	0.008	1	
26880	0.115	1	
26940	0.026	1	
27000	0.019	1	
27060	0.000	1	
27120	0.000	1	
27180	0.000	1	
27240	0.000	1	
27300	0.000	1	
27360	0.001	1	
27420	0.000	1	
27480	0.000	1	
27540	0.000	1	
27600	0.000	1	
27660	0.000	1	
27720	0.003	1	
27780	0.000	1	
27840	0.000	1	
27900	0.000	1	
27960	0.000	1	
28020	0.000	1	
28080	0.001	1	
28140	0.011	1	
28200	0.000	1	
28260	0.000	1	
28320	0.000	1	
28380	0.000	1	
28440	0.000	1	
28500	0.003	1	
28560	0.005	1	
28620	0.001	1	

28680	0.001	1	
28740	0.001	1	
28800	0.000	1	
28860	0.000	1	
28920	0.000	1	
28980	0.002	1	
29040	0.015	1	
29100	0.000	1	
29160	0.000	1	
29220	0.000	1	
29280	0.000	1	
29340	0.000	1	
29400	0.000	1	
29460	0.001	1	
29520	0.000	1	
29580	0.013	1	
29640	0.001	1	
29700	0.008	1	
29760	0.005	1	
29820	0.010	1	
29880	0.000	1	
29940	0.000	1	
30000	0.000	1	
30060	0.000	1	
30120	0.000	1	
30180	0.000	1	
30240	0.000	1	
30300	0.001	1	
30360	0.000	1	
30420	0.001	1	
30480	0.008	1	
30540	0.000	1	
30600	0.000	1	
30660	0.000	1	
30720	0.000	1	
30780	0.000	1	
30840	0.001	1	
30900	0.010	1	

STEL Data

Elapsed Time [s]	**Mass [mg/m3]**
60	0.121
120	0.010
180	0.004

240	0.004
300	0.002
360	0.051
420	0.012
480	0.003
540	0.015
600	0.019
660	0.052
720	0.035
780	0.028
840	0.015
900	0.015

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.189
120	0.005
180	0.043
240	0.011
300	0.019
360	0.003
420	0.007
480	0.005
540	0.005
600	0.007
660	0.000
720	0.003
780	0.000
840	0.022
900	0.001

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.032
120	0.022
180	0.006
240	0.006
300	0.089
360	0.027
420	0.038
480	0.106
540	0.005
600	0.010
660	0.033

720	0.014
780	0.000
840	0.000
900	0.000

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.050
120	0.003
180	0.041
240	0.087
300	0.012
360	0.002
420	0.017
480	0.020
540	0.066
600	0.060
660	0.007
720	0.003
780	0.001
840	0.000
900	0.000

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.128
120	0.023
180	0.001
240	0.000
300	0.000
360	0.000
420	0.000
480	0.001
540	0.000
600	0.000
660	0.000
720	0.000
780	0.000
840	0.003
900	0.000

Former Reliable Truss (246 River Road) Daily Construction/Excavation Monitoring Summary

Date: 5/4/2010

Weather: 60's, calm and sunny in morning, warming to 80 degrees with a slight W->E breeze

Activity: Excavation of 2B, 2A and backfilling of 1

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	85202130	1017	0.012	0.008	0.301	Started at ~0725
ON SITE	85202244	1015	0.017	0.008	0.073	Started at ~0737, moved at 0950
DOWN WIND	85300952502	1013	0.015	0.010	0.031	Started at ~0740
UPWIND		1233	0.015	0.008	0.519	
ON SITE		1230	0.017	0.008	0.089	
DOWN WIND		1228	0.014	0.009	0.032	
UPWIND		1543	0.020	0.008	1.380	
ON SITE		1535	0.020	0.008	0.210	
DOWN WIND		1538	0.012	0.005	0.039	
UPWIND						Units stopped at about 1545
ON SITE						Units stopped at about 1545
DOWN WIND						Units stopped at about 1545
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						

NOTES

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 4, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	1
Test Abbreviation:	
Start Date:	5/4/2010
Start Time:	7:26:27
Duration (dd:hh:mm:ss):	0:08:16:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	496
Notes:	Upwind

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.02
Minimum:	0.009
Time of Minimum:	7:46:27
Date of Minimum:	5/4/2010
Maximum:	0.343
Time of Maximum:	13:38:27
Date of Maximum:	5/4/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/4/2010	7:27:27	0.011
5/4/2010	7:28:27	0.011
5/4/2010	7:29:27	0.010
5/4/2010	7:30:27	0.012
5/4/2010	7:31:27	0.013
5/4/2010	7:32:27	0.012
5/4/2010	7:33:27	0.011
5/4/2010	7:34:27	0.010
5/4/2010	7:35:27	0.011
5/4/2010	7:36:27	0.011
5/4/2010	7:37:27	0.012
5/4/2010	7:38:27	0.012
5/4/2010	7:39:27	0.011

Dust Monitoring Data - Upwind
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5/4/2010	7:40:27	0.010
5/4/2010	7:41:27	0.015
5/4/2010	7:42:27	0.021
5/4/2010	7:43:27	0.020
5/4/2010	7:44:27	0.010
5/4/2010	7:45:27	0.010
5/4/2010	7:46:27	0.009
5/4/2010	7:47:27	0.010
5/4/2010	7:48:27	0.010
5/4/2010	7:49:27	0.081
5/4/2010	7:50:27	0.014
5/4/2010	7:51:27	0.009
5/4/2010	7:52:27	0.010
5/4/2010	7:53:27	0.011
5/4/2010	7:54:27	0.011
5/4/2010	7:55:27	0.013
5/4/2010	7:56:27	0.014
5/4/2010	7:57:27	0.010
5/4/2010	7:58:27	0.010
5/4/2010	7:59:27	0.011
5/4/2010	8:00:27	0.013
5/4/2010	8:01:27	0.010
5/4/2010	8:02:27	0.010
5/4/2010	8:03:27	0.010
5/4/2010	8:04:27	0.010
5/4/2010	8:05:27	0.011
5/4/2010	8:06:27	0.010
5/4/2010	8:07:27	0.011
5/4/2010	8:08:27	0.010
5/4/2010	8:09:27	0.011
5/4/2010	8:10:27	0.010
5/4/2010	8:11:27	0.011
5/4/2010	8:12:27	0.011
5/4/2010	8:13:27	0.022
5/4/2010	8:14:27	0.013
5/4/2010	8:15:27	0.012
5/4/2010	8:16:27	0.011
5/4/2010	8:17:27	0.010
5/4/2010	8:18:27	0.013
5/4/2010	8:19:27	0.013
5/4/2010	8:20:27	0.011
5/4/2010	8:21:27	0.011
5/4/2010	8:22:27	0.011
5/4/2010	8:23:27	0.012

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5/4/2010	8:24:27	0.015
5/4/2010	8:25:27	0.014
5/4/2010	8:26:27	0.011
5/4/2010	8:27:27	0.013
5/4/2010	8:28:27	0.010
5/4/2010	8:29:27	0.010
5/4/2010	8:30:27	0.011
5/4/2010	8:31:27	0.011
5/4/2010	8:32:27	0.011
5/4/2010	8:33:27	0.011
5/4/2010	8:34:27	0.012
5/4/2010	8:35:27	0.012
5/4/2010	8:36:27	0.010
5/4/2010	8:37:27	0.010
5/4/2010	8:38:27	0.010
5/4/2010	8:39:27	0.010
5/4/2010	8:40:27	0.010
5/4/2010	8:41:27	0.010
5/4/2010	8:42:27	0.011
5/4/2010	8:43:27	0.011
5/4/2010	8:44:27	0.010
5/4/2010	8:45:27	0.010
5/4/2010	8:46:27	0.010
5/4/2010	8:47:27	0.010
5/4/2010	8:48:27	0.017
5/4/2010	8:49:27	0.011
5/4/2010	8:50:27	0.011
5/4/2010	8:51:27	0.010
5/4/2010	8:52:27	0.010
5/4/2010	8:53:27	0.011
5/4/2010	8:54:27	0.011
5/4/2010	8:55:27	0.011
5/4/2010	8:56:27	0.010
5/4/2010	8:57:27	0.010
5/4/2010	8:58:27	0.011
5/4/2010	8:59:27	0.010
5/4/2010	9:00:27	0.011
5/4/2010	9:01:27	0.011
5/4/2010	9:02:27	0.011
5/4/2010	9:03:27	0.010
5/4/2010	9:04:27	0.011
5/4/2010	9:05:27	0.011
5/4/2010	9:06:27	0.011
5/4/2010	9:07:27	0.010

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
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5/4/2010	9:08:27	0.015
5/4/2010	9:09:27	0.012
5/4/2010	9:10:27	0.011
5/4/2010	9:11:27	0.011
5/4/2010	9:12:27	0.012
5/4/2010	9:13:27	0.013
5/4/2010	9:14:27	0.011
5/4/2010	9:15:27	0.011
5/4/2010	9:16:27	0.011
5/4/2010	9:17:27	0.010
5/4/2010	9:18:27	0.012
5/4/2010	9:19:27	0.011
5/4/2010	9:20:27	0.012
5/4/2010	9:21:27	0.012
5/4/2010	9:22:27	0.011
5/4/2010	9:23:27	0.011
5/4/2010	9:24:27	0.010
5/4/2010	9:25:27	0.012
5/4/2010	9:26:27	0.012
5/4/2010	9:27:27	0.012
5/4/2010	9:28:27	0.043
5/4/2010	9:29:27	0.018
5/4/2010	9:30:27	0.013
5/4/2010	9:31:27	0.013
5/4/2010	9:32:27	0.011
5/4/2010	9:33:27	0.012
5/4/2010	9:34:27	0.011
5/4/2010	9:35:27	0.011
5/4/2010	9:36:27	0.011
5/4/2010	9:37:27	0.012
5/4/2010	9:38:27	0.011
5/4/2010	9:39:27	0.011
5/4/2010	9:40:27	0.011
5/4/2010	9:41:27	0.011
5/4/2010	9:42:27	0.012
5/4/2010	9:43:27	0.011
5/4/2010	9:44:27	0.012
5/4/2010	9:45:27	0.012
5/4/2010	9:46:27	0.011
5/4/2010	9:47:27	0.011
5/4/2010	9:48:27	0.014
5/4/2010	9:49:27	0.011
5/4/2010	9:50:27	0.011
5/4/2010	9:51:27	0.012

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
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5/4/2010	9:52:27	0.011
5/4/2010	9:53:27	0.011
5/4/2010	9:54:27	0.012
5/4/2010	9:55:27	0.013
5/4/2010	9:56:27	0.012
5/4/2010	9:57:27	0.013
5/4/2010	9:58:27	0.012
5/4/2010	9:59:27	0.012
5/4/2010	10:00:27	0.012
5/4/2010	10:01:27	0.011
5/4/2010	10:02:27	0.015
5/4/2010	10:03:27	0.012
5/4/2010	10:04:27	0.012
5/4/2010	10:05:27	0.012
5/4/2010	10:06:27	0.015
5/4/2010	10:07:27	0.012
5/4/2010	10:08:27	0.012
5/4/2010	10:09:27	0.012
5/4/2010	10:10:27	0.012
5/4/2010	10:11:27	0.012
5/4/2010	10:12:27	0.012
5/4/2010	10:13:27	0.011
5/4/2010	10:14:27	0.015
5/4/2010	10:15:27	0.012
5/4/2010	10:16:27	0.023
5/4/2010	10:17:27	0.019
5/4/2010	10:18:27	0.012
5/4/2010	10:19:27	0.012
5/4/2010	10:20:27	0.012
5/4/2010	10:21:27	0.027
5/4/2010	10:22:27	0.012
5/4/2010	10:23:27	0.013
5/4/2010	10:24:27	0.012
5/4/2010	10:25:27	0.012
5/4/2010	10:26:27	0.013
5/4/2010	10:27:27	0.013
5/4/2010	10:28:27	0.012
5/4/2010	10:29:27	0.015
5/4/2010	10:30:27	0.018
5/4/2010	10:31:27	0.023
5/4/2010	10:32:27	0.014
5/4/2010	10:33:27	0.013
5/4/2010	10:34:27	0.012
5/4/2010	10:35:27	0.012

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5/4/2010	10:36:27	0.013
5/4/2010	10:37:27	0.230
5/4/2010	10:38:27	0.062
5/4/2010	10:39:27	0.013
5/4/2010	10:40:27	0.012
5/4/2010	10:41:27	0.024
5/4/2010	10:42:27	0.014
5/4/2010	10:43:27	0.019
5/4/2010	10:44:27	0.043
5/4/2010	10:45:27	0.013
5/4/2010	10:46:27	0.013
5/4/2010	10:47:27	0.016
5/4/2010	10:48:27	0.015
5/4/2010	10:49:27	0.031
5/4/2010	10:50:27	0.018
5/4/2010	10:51:27	0.019
5/4/2010	10:52:27	0.012
5/4/2010	10:53:27	0.014
5/4/2010	10:54:27	0.012
5/4/2010	10:55:27	0.013
5/4/2010	10:56:27	0.012
5/4/2010	10:57:27	0.014
5/4/2010	10:58:27	0.015
5/4/2010	10:59:27	0.012
5/4/2010	11:00:27	0.012
5/4/2010	11:01:27	0.012
5/4/2010	11:02:27	0.013
5/4/2010	11:03:27	0.012
5/4/2010	11:04:27	0.013
5/4/2010	11:05:27	0.012
5/4/2010	11:06:27	0.011
5/4/2010	11:07:27	0.011
5/4/2010	11:08:27	0.015
5/4/2010	11:09:27	0.012
5/4/2010	11:10:27	0.014
5/4/2010	11:11:27	0.013
5/4/2010	11:12:27	0.025
5/4/2010	11:13:27	0.014
5/4/2010	11:14:27	0.012
5/4/2010	11:15:27	0.013
5/4/2010	11:16:27	0.011
5/4/2010	11:17:27	0.011
5/4/2010	11:18:27	0.012
5/4/2010	11:19:27	0.013

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
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5/4/2010	11:20:27	0.012
5/4/2010	11:21:27	0.011
5/4/2010	11:22:27	0.012
5/4/2010	11:23:27	0.012
5/4/2010	11:24:27	0.012
5/4/2010	11:25:27	0.011
5/4/2010	11:26:27	0.011
5/4/2010	11:27:27	0.012
5/4/2010	11:28:27	0.012
5/4/2010	11:29:27	0.012
5/4/2010	11:30:27	0.012
5/4/2010	11:31:27	0.013
5/4/2010	11:32:27	0.012
5/4/2010	11:33:27	0.012
5/4/2010	11:34:27	0.012
5/4/2010	11:35:27	0.058
5/4/2010	11:36:27	0.071
5/4/2010	11:37:27	0.013
5/4/2010	11:38:27	0.095
5/4/2010	11:39:27	0.012
5/4/2010	11:40:27	0.012
5/4/2010	11:41:27	0.098
5/4/2010	11:42:27	0.014
5/4/2010	11:43:27	0.017
5/4/2010	11:44:27	0.013
5/4/2010	11:45:27	0.013
5/4/2010	11:46:27	0.015
5/4/2010	11:47:27	0.016
5/4/2010	11:48:27	0.014
5/4/2010	11:49:27	0.014
5/4/2010	11:50:27	0.013
5/4/2010	11:51:27	0.013
5/4/2010	11:52:27	0.013
5/4/2010	11:53:27	0.067
5/4/2010	11:54:27	0.013
5/4/2010	11:55:27	0.013
5/4/2010	11:56:27	0.013
5/4/2010	11:57:27	0.013
5/4/2010	11:58:27	0.014
5/4/2010	11:59:27	0.015
5/4/2010	12:00:27	0.016
5/4/2010	12:01:27	0.015
5/4/2010	12:02:27	0.013
5/4/2010	12:03:27	0.013

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
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5/4/2010	12:04:27	0.013
5/4/2010	12:05:27	0.013
5/4/2010	12:06:27	0.014
5/4/2010	12:07:27	0.013
5/4/2010	12:08:27	0.014
5/4/2010	12:09:27	0.013
5/4/2010	12:10:27	0.013
5/4/2010	12:11:27	0.014
5/4/2010	12:12:27	0.014
5/4/2010	12:13:27	0.014
5/4/2010	12:14:27	0.013
5/4/2010	12:15:27	0.014
5/4/2010	12:16:27	0.013
5/4/2010	12:17:27	0.014
5/4/2010	12:18:27	0.015
5/4/2010	12:19:27	0.013
5/4/2010	12:20:27	0.012
5/4/2010	12:21:27	0.019
5/4/2010	12:22:27	0.014
5/4/2010	12:23:27	0.014
5/4/2010	12:24:27	0.013
5/4/2010	12:25:27	0.013
5/4/2010	12:26:27	0.013
5/4/2010	12:27:27	0.013
5/4/2010	12:28:27	0.013
5/4/2010	12:29:27	0.012
5/4/2010	12:30:27	0.012
5/4/2010	12:31:27	0.013
5/4/2010	12:32:27	0.013
5/4/2010	12:33:27	0.016
5/4/2010	12:34:27	0.013
5/4/2010	12:35:27	0.013
5/4/2010	12:36:27	0.016
5/4/2010	12:37:27	0.014
5/4/2010	12:38:27	0.014
5/4/2010	12:39:27	0.014
5/4/2010	12:40:27	0.015
5/4/2010	12:41:27	0.019
5/4/2010	12:42:27	0.023
5/4/2010	12:43:27	0.014
5/4/2010	12:44:27	0.014
5/4/2010	12:45:27	0.016
5/4/2010	12:46:27	0.015
5/4/2010	12:47:27	0.017

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City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 4, 2010

5/4/2010	12:48:27	0.014
5/4/2010	12:49:27	0.014
5/4/2010	12:50:27	0.014
5/4/2010	12:51:27	0.017
5/4/2010	12:52:27	0.014
5/4/2010	12:53:27	0.014
5/4/2010	12:54:27	0.013
5/4/2010	12:55:27	0.014
5/4/2010	12:56:27	0.027
5/4/2010	12:57:27	0.014
5/4/2010	12:58:27	0.041
5/4/2010	12:59:27	0.017
5/4/2010	13:00:27	0.015
5/4/2010	13:01:27	0.021
5/4/2010	13:02:27	0.016
5/4/2010	13:03:27	0.014
5/4/2010	13:04:27	0.017
5/4/2010	13:05:27	0.014
5/4/2010	13:06:27	0.014
5/4/2010	13:07:27	0.014
5/4/2010	13:08:27	0.015
5/4/2010	13:09:27	0.016
5/4/2010	13:10:27	0.015
5/4/2010	13:11:27	0.015
5/4/2010	13:12:27	0.016
5/4/2010	13:13:27	0.015
5/4/2010	13:14:27	0.025
5/4/2010	13:15:27	0.240
5/4/2010	13:16:27	0.029
5/4/2010	13:17:27	0.018
5/4/2010	13:18:27	0.017
5/4/2010	13:19:27	0.016
5/4/2010	13:20:27	0.019
5/4/2010	13:21:27	0.023
5/4/2010	13:22:27	0.029
5/4/2010	13:23:27	0.019
5/4/2010	13:24:27	0.016
5/4/2010	13:25:27	0.014
5/4/2010	13:26:27	0.014
5/4/2010	13:27:27	0.015
5/4/2010	13:28:27	0.016
5/4/2010	13:29:27	0.018
5/4/2010	13:30:27	0.024
5/4/2010	13:31:27	0.053

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City of New Bedford - Former Reliable Truss Site
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5/4/2010	13:32:27	0.027
5/4/2010	13:33:27	0.020
5/4/2010	13:34:27	0.017
5/4/2010	13:35:27	0.021
5/4/2010	13:36:27	0.016
5/4/2010	13:37:27	0.020
5/4/2010	13:38:27	0.343
5/4/2010	13:39:27	0.257
5/4/2010	13:40:27	0.088
5/4/2010	13:41:27	0.030
5/4/2010	13:42:27	0.019
5/4/2010	13:43:27	0.020
5/4/2010	13:44:27	0.021
5/4/2010	13:45:27	0.015
5/4/2010	13:46:27	0.016
5/4/2010	13:47:27	0.026
5/4/2010	13:48:27	0.116
5/4/2010	13:49:27	0.046
5/4/2010	13:50:27	0.028
5/4/2010	13:51:27	0.021
5/4/2010	13:52:27	0.032
5/4/2010	13:53:27	0.024
5/4/2010	13:54:27	0.025
5/4/2010	13:55:27	0.026
5/4/2010	13:56:27	0.019
5/4/2010	13:57:27	0.021
5/4/2010	13:58:27	0.018
5/4/2010	13:59:27	0.018
5/4/2010	14:00:27	0.015
5/4/2010	14:01:27	0.017
5/4/2010	14:02:27	0.034
5/4/2010	14:03:27	0.020
5/4/2010	14:04:27	0.018
5/4/2010	14:05:27	0.018
5/4/2010	14:06:27	0.025
5/4/2010	14:07:27	0.026
5/4/2010	14:08:27	0.028
5/4/2010	14:09:27	0.017
5/4/2010	14:10:27	0.018
5/4/2010	14:11:27	0.020
5/4/2010	14:12:27	0.021
5/4/2010	14:13:27	0.020
5/4/2010	14:14:27	0.021
5/4/2010	14:15:27	0.022

5/4/2010	14:16:27	0.018
5/4/2010	14:17:27	0.017
5/4/2010	14:18:27	0.015
5/4/2010	14:19:27	0.023
5/4/2010	14:20:27	0.016
5/4/2010	14:21:27	0.016
5/4/2010	14:22:27	0.015
5/4/2010	14:23:27	0.052
5/4/2010	14:24:27	0.028
5/4/2010	14:25:27	0.044
5/4/2010	14:26:27	0.016
5/4/2010	14:27:27	0.023
5/4/2010	14:28:27	0.019
5/4/2010	14:29:27	0.015
5/4/2010	14:30:27	0.018
5/4/2010	14:31:27	0.026
5/4/2010	14:32:27	0.027
5/4/2010	14:33:27	0.028
5/4/2010	14:34:27	0.017
5/4/2010	14:35:27	0.016
5/4/2010	14:36:27	0.018
5/4/2010	14:37:27	0.014
5/4/2010	14:38:27	0.014
5/4/2010	14:39:27	0.014
5/4/2010	14:40:27	0.015
5/4/2010	14:41:27	0.014
5/4/2010	14:42:27	0.016
5/4/2010	14:43:27	0.021
5/4/2010	14:44:27	0.031
5/4/2010	14:45:27	0.027
5/4/2010	14:46:27	0.015
5/4/2010	14:47:27	0.017
5/4/2010	14:48:27	0.015
5/4/2010	14:49:27	0.018
5/4/2010	14:50:27	0.027
5/4/2010	14:51:27	0.019
5/4/2010	14:52:27	0.032
5/4/2010	14:53:27	0.056
5/4/2010	14:54:27	0.026
5/4/2010	14:55:27	0.042
5/4/2010	14:56:27	0.071
5/4/2010	14:57:27	0.021
5/4/2010	14:58:27	0.048
5/4/2010	14:59:27	0.024

Dust Monitoring Data - Upwind
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5/4/2010	15:00:27	0.018
5/4/2010	15:01:27	0.084
5/4/2010	15:02:27	0.026
5/4/2010	15:03:27	0.063
5/4/2010	15:04:27	0.047
5/4/2010	15:05:27	0.086
5/4/2010	15:06:27	0.025
5/4/2010	15:07:27	0.023
5/4/2010	15:08:27	0.036
5/4/2010	15:09:27	0.023
5/4/2010	15:10:27	0.028
5/4/2010	15:11:27	0.020
5/4/2010	15:12:27	0.022
5/4/2010	15:13:27	0.017
5/4/2010	15:14:27	0.014
5/4/2010	15:15:27	0.017
5/4/2010	15:16:27	0.028
5/4/2010	15:17:27	0.139
5/4/2010	15:18:27	0.135
5/4/2010	15:19:27	0.026
5/4/2010	15:20:27	0.027
5/4/2010	15:21:27	0.022
5/4/2010	15:22:27	0.078
5/4/2010	15:23:27	0.030
5/4/2010	15:24:27	0.022
5/4/2010	15:25:27	0.015
5/4/2010	15:26:27	0.020
5/4/2010	15:27:27	0.015
5/4/2010	15:28:27	0.034
5/4/2010	15:29:27	0.040
5/4/2010	15:30:27	0.051
5/4/2010	15:31:27	0.034
5/4/2010	15:32:27	0.014
5/4/2010	15:33:27	0.026
5/4/2010	15:34:27	0.025
5/4/2010	15:35:27	0.018
5/4/2010	15:36:27	0.073
5/4/2010	15:37:27	0.024
5/4/2010	15:38:27	0.013
5/4/2010	15:39:27	0.012
5/4/2010	15:40:27	0.022
5/4/2010	15:41:27	0.014
5/4/2010	15:42:27	0.022

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 4, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	1
Test Abbreviation:	
Start Date:	5/4/2010
Start Time:	7:38:01
Duration (dd:hh:mm:ss):	0:02:12:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	132
Notes:	Worksite/Nearest Property.

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.014
Minimum:	0.009
Time of Minimum:	7:41:01
Date of Minimum:	5/4/2010
Maximum:	0.055
Time of Maximum:	8:54:01
Date of Maximum:	5/4/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/4/2010	7:39:01	0.017
5/4/2010	7:40:01	0.011
5/4/2010	7:41:01	0.009
5/4/2010	7:42:01	0.010
5/4/2010	7:43:01	0.009
5/4/2010	7:44:01	0.010
5/4/2010	7:45:01	0.010
5/4/2010	7:46:01	0.010
5/4/2010	7:47:01	0.012
5/4/2010	7:48:01	0.010
5/4/2010	7:49:01	0.009
5/4/2010	7:50:01	0.011
5/4/2010	7:51:01	0.011

5/4/2010	7:52:01	0.013
5/4/2010	7:53:01	0.012
5/4/2010	7:54:01	0.011
5/4/2010	7:55:01	0.011
5/4/2010	7:56:01	0.011
5/4/2010	7:57:01	0.011
5/4/2010	7:58:01	0.014
5/4/2010	7:59:01	0.013
5/4/2010	8:00:01	0.016
5/4/2010	8:01:01	0.017
5/4/2010	8:02:01	0.015
5/4/2010	8:03:01	0.012
5/4/2010	8:04:01	0.011
5/4/2010	8:05:01	0.013
5/4/2010	8:06:01	0.015
5/4/2010	8:07:01	0.011
5/4/2010	8:08:01	0.012
5/4/2010	8:09:01	0.011
5/4/2010	8:10:01	0.011
5/4/2010	8:11:01	0.011
5/4/2010	8:12:01	0.013
5/4/2010	8:13:01	0.012
5/4/2010	8:14:01	0.012
5/4/2010	8:15:01	0.013
5/4/2010	8:16:01	0.011
5/4/2010	8:17:01	0.013
5/4/2010	8:18:01	0.013
5/4/2010	8:19:01	0.015
5/4/2010	8:20:01	0.014
5/4/2010	8:21:01	0.014
5/4/2010	8:22:01	0.015
5/4/2010	8:23:01	0.012
5/4/2010	8:24:01	0.012
5/4/2010	8:25:01	0.012
5/4/2010	8:26:01	0.014
5/4/2010	8:27:01	0.012
5/4/2010	8:28:01	0.014
5/4/2010	8:29:01	0.013
5/4/2010	8:30:01	0.013
5/4/2010	8:31:01	0.014
5/4/2010	8:32:01	0.014
5/4/2010	8:33:01	0.022
5/4/2010	8:34:01	0.015
5/4/2010	8:35:01	0.015

5/4/2010	8:36:01	0.014
5/4/2010	8:37:01	0.014
5/4/2010	8:38:01	0.015
5/4/2010	8:39:01	0.015
5/4/2010	8:40:01	0.015
5/4/2010	8:41:01	0.015
5/4/2010	8:42:01	0.017
5/4/2010	8:43:01	0.016
5/4/2010	8:44:01	0.016
5/4/2010	8:45:01	0.014
5/4/2010	8:46:01	0.014
5/4/2010	8:47:01	0.014
5/4/2010	8:48:01	0.014
5/4/2010	8:49:01	0.013
5/4/2010	8:50:01	0.012
5/4/2010	8:51:01	0.016
5/4/2010	8:52:01	0.014
5/4/2010	8:53:01	0.017
5/4/2010	8:54:01	0.055
5/4/2010	8:55:01	0.022
5/4/2010	8:56:01	0.014
5/4/2010	8:57:01	0.018
5/4/2010	8:58:01	0.015
5/4/2010	8:59:01	0.027
5/4/2010	9:00:01	0.013
5/4/2010	9:01:01	0.016
5/4/2010	9:02:01	0.014
5/4/2010	9:03:01	0.028
5/4/2010	9:04:01	0.024
5/4/2010	9:05:01	0.015
5/4/2010	9:06:01	0.013
5/4/2010	9:07:01	0.012
5/4/2010	9:08:01	0.014
5/4/2010	9:09:01	0.011
5/4/2010	9:10:01	0.012
5/4/2010	9:11:01	0.011
5/4/2010	9:12:01	0.011
5/4/2010	9:13:01	0.011
5/4/2010	9:14:01	0.011
5/4/2010	9:15:01	0.012
5/4/2010	9:16:01	0.016
5/4/2010	9:17:01	0.024
5/4/2010	9:18:01	0.011
5/4/2010	9:19:01	0.011

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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5/4/2010	9:20:01	0.012
5/4/2010	9:21:01	0.011
5/4/2010	9:22:01	0.011
5/4/2010	9:23:01	0.011
5/4/2010	9:24:01	0.012
5/4/2010	9:25:01	0.014
5/4/2010	9:26:01	0.010
5/4/2010	9:27:01	0.012
5/4/2010	9:28:01	0.010
5/4/2010	9:29:01	0.011
5/4/2010	9:30:01	0.011
5/4/2010	9:31:01	0.017
5/4/2010	9:32:01	0.025
5/4/2010	9:33:01	0.012
5/4/2010	9:34:01	0.012
5/4/2010	9:35:01	0.012
5/4/2010	9:36:01	0.011
5/4/2010	9:37:01	0.010
5/4/2010	9:38:01	0.011
5/4/2010	9:39:01	0.013
5/4/2010	9:40:01	0.016
5/4/2010	9:41:01	0.011
5/4/2010	9:42:01	0.012
5/4/2010	9:43:01	0.010
5/4/2010	9:44:01	0.013
5/4/2010	9:45:01	0.011
5/4/2010	9:46:01	0.014
5/4/2010	9:47:01	0.011
5/4/2010	9:48:01	0.009
5/4/2010	9:49:01	0.011
5/4/2010	9:50:01	0.010

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	2
Test Abbreviation:	
Start Date:	5/4/2010
Start Time:	9:51:44
Duration (dd:hh:mm:ss):	0:05:45:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	345
Notes:	Worksite/Nearest Property. New location due to wind shift.

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 4, 2010

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.02
Minimum:	0.009
Time of Minimum:	10:02:44
Date of Minimum:	5/4/2010
Maximum:	0.093
Time of Maximum:	15:03:44
Date of Maximum:	5/4/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/4/2010	9:52:44	0.012
5/4/2010	9:53:44	0.011
5/4/2010	9:54:44	0.014
5/4/2010	9:55:44	0.022
5/4/2010	9:56:44	0.019
5/4/2010	9:57:44	0.034
5/4/2010	9:58:44	0.022
5/4/2010	9:59:44	0.014
5/4/2010	10:00:44	0.014
5/4/2010	10:01:44	0.011
5/4/2010	10:02:44	0.009
5/4/2010	10:03:44	0.011
5/4/2010	10:04:44	0.026
5/4/2010	10:05:44	0.018
5/4/2010	10:06:44	0.014
5/4/2010	10:07:44	0.012
5/4/2010	10:08:44	0.016
5/4/2010	10:09:44	0.017
5/4/2010	10:10:44	0.013
5/4/2010	10:11:44	0.016
5/4/2010	10:12:44	0.017
5/4/2010	10:13:44	0.013
5/4/2010	10:14:44	0.015
5/4/2010	10:15:44	0.035
5/4/2010	10:16:44	0.018
5/4/2010	10:17:44	0.013

5/4/2010	10:18:44	0.011
5/4/2010	10:19:44	0.014
5/4/2010	10:20:44	0.026
5/4/2010	10:21:44	0.034
5/4/2010	10:22:44	0.019
5/4/2010	10:23:44	0.017
5/4/2010	10:24:44	0.017
5/4/2010	10:25:44	0.012
5/4/2010	10:26:44	0.017
5/4/2010	10:27:44	0.023
5/4/2010	10:28:44	0.027
5/4/2010	10:29:44	0.030
5/4/2010	10:30:44	0.013
5/4/2010	10:31:44	0.018
5/4/2010	10:32:44	0.024
5/4/2010	10:33:44	0.012
5/4/2010	10:34:44	0.015
5/4/2010	10:35:44	0.016
5/4/2010	10:36:44	0.016
5/4/2010	10:37:44	0.016
5/4/2010	10:38:44	0.020
5/4/2010	10:39:44	0.016
5/4/2010	10:40:44	0.011
5/4/2010	10:41:44	0.019
5/4/2010	10:42:44	0.020
5/4/2010	10:43:44	0.011
5/4/2010	10:44:44	0.022
5/4/2010	10:45:44	0.028
5/4/2010	10:46:44	0.014
5/4/2010	10:47:44	0.015
5/4/2010	10:48:44	0.011
5/4/2010	10:49:44	0.012
5/4/2010	10:50:44	0.013
5/4/2010	10:51:44	0.019
5/4/2010	10:52:44	0.010
5/4/2010	10:53:44	0.010
5/4/2010	10:54:44	0.009
5/4/2010	10:55:44	0.010
5/4/2010	10:56:44	0.011
5/4/2010	10:57:44	0.011
5/4/2010	10:58:44	0.015
5/4/2010	10:59:44	0.017
5/4/2010	11:00:44	0.026
5/4/2010	11:01:44	0.018

5/4/2010	11:02:44	0.020
5/4/2010	11:03:44	0.021
5/4/2010	11:04:44	0.018
5/4/2010	11:05:44	0.012
5/4/2010	11:06:44	0.017
5/4/2010	11:07:44	0.029
5/4/2010	11:08:44	0.015
5/4/2010	11:09:44	0.014
5/4/2010	11:10:44	0.023
5/4/2010	11:11:44	0.033
5/4/2010	11:12:44	0.026
5/4/2010	11:13:44	0.027
5/4/2010	11:14:44	0.018
5/4/2010	11:15:44	0.017
5/4/2010	11:16:44	0.020
5/4/2010	11:17:44	0.017
5/4/2010	11:18:44	0.015
5/4/2010	11:19:44	0.018
5/4/2010	11:20:44	0.016
5/4/2010	11:21:44	0.018
5/4/2010	11:22:44	0.012
5/4/2010	11:23:44	0.010
5/4/2010	11:24:44	0.011
5/4/2010	11:25:44	0.014
5/4/2010	11:26:44	0.010
5/4/2010	11:27:44	0.012
5/4/2010	11:28:44	0.011
5/4/2010	11:29:44	0.012
5/4/2010	11:30:44	0.012
5/4/2010	11:31:44	0.020
5/4/2010	11:32:44	0.020
5/4/2010	11:33:44	0.020
5/4/2010	11:34:44	0.026
5/4/2010	11:35:44	0.024
5/4/2010	11:36:44	0.022
5/4/2010	11:37:44	0.029
5/4/2010	11:38:44	0.013
5/4/2010	11:39:44	0.028
5/4/2010	11:40:44	0.023
5/4/2010	11:41:44	0.019
5/4/2010	11:42:44	0.017
5/4/2010	11:43:44	0.012
5/4/2010	11:44:44	0.038
5/4/2010	11:45:44	0.028

5/4/2010	11:46:44	0.023
5/4/2010	11:47:44	0.018
5/4/2010	11:48:44	0.015
5/4/2010	11:49:44	0.013
5/4/2010	11:50:44	0.016
5/4/2010	11:51:44	0.014
5/4/2010	11:52:44	0.018
5/4/2010	11:53:44	0.013
5/4/2010	11:54:44	0.012
5/4/2010	11:55:44	0.012
5/4/2010	11:56:44	0.012
5/4/2010	11:57:44	0.014
5/4/2010	11:58:44	0.017
5/4/2010	11:59:44	0.012
5/4/2010	12:00:44	0.019
5/4/2010	12:01:44	0.014
5/4/2010	12:02:44	0.018
5/4/2010	12:03:44	0.018
5/4/2010	12:04:44	0.018
5/4/2010	12:05:44	0.014
5/4/2010	12:06:44	0.012
5/4/2010	12:07:44	0.013
5/4/2010	12:08:44	0.013
5/4/2010	12:09:44	0.016
5/4/2010	12:10:44	0.014
5/4/2010	12:11:44	0.012
5/4/2010	12:12:44	0.013
5/4/2010	12:13:44	0.012
5/4/2010	12:14:44	0.013
5/4/2010	12:15:44	0.013
5/4/2010	12:16:44	0.012
5/4/2010	12:17:44	0.013
5/4/2010	12:18:44	0.014
5/4/2010	12:19:44	0.017
5/4/2010	12:20:44	0.015
5/4/2010	12:21:44	0.013
5/4/2010	12:22:44	0.023
5/4/2010	12:23:44	0.030
5/4/2010	12:24:44	0.014
5/4/2010	12:25:44	0.015
5/4/2010	12:26:44	0.013
5/4/2010	12:27:44	0.014
5/4/2010	12:28:44	0.014
5/4/2010	12:29:44	0.013

5/4/2010	12:30:44	0.012
5/4/2010	12:31:44	0.016
5/4/2010	12:32:44	0.012
5/4/2010	12:33:44	0.014
5/4/2010	12:34:44	0.013
5/4/2010	12:35:44	0.013
5/4/2010	12:36:44	0.014
5/4/2010	12:37:44	0.013
5/4/2010	12:38:44	0.015
5/4/2010	12:39:44	0.016
5/4/2010	12:40:44	0.020
5/4/2010	12:41:44	0.014
5/4/2010	12:42:44	0.014
5/4/2010	12:43:44	0.017
5/4/2010	12:44:44	0.024
5/4/2010	12:45:44	0.018
5/4/2010	12:46:44	0.016
5/4/2010	12:47:44	0.036
5/4/2010	12:48:44	0.020
5/4/2010	12:49:44	0.021
5/4/2010	12:50:44	0.018
5/4/2010	12:51:44	0.016
5/4/2010	12:52:44	0.014
5/4/2010	12:53:44	0.023
5/4/2010	12:54:44	0.017
5/4/2010	12:55:44	0.016
5/4/2010	12:56:44	0.015
5/4/2010	12:57:44	0.016
5/4/2010	12:58:44	0.016
5/4/2010	12:59:44	0.015
5/4/2010	13:00:44	0.019
5/4/2010	13:01:44	0.014
5/4/2010	13:02:44	0.014
5/4/2010	13:03:44	0.015
5/4/2010	13:04:44	0.015
5/4/2010	13:05:44	0.016
5/4/2010	13:06:44	0.023
5/4/2010	13:07:44	0.020
5/4/2010	13:08:44	0.024
5/4/2010	13:09:44	0.037
5/4/2010	13:10:44	0.016
5/4/2010	13:11:44	0.019
5/4/2010	13:12:44	0.018
5/4/2010	13:13:44	0.023

5/4/2010	13:14:44	0.036
5/4/2010	13:15:44	0.023
5/4/2010	13:16:44	0.016
5/4/2010	13:17:44	0.016
5/4/2010	13:18:44	0.016
5/4/2010	13:19:44	0.016
5/4/2010	13:20:44	0.015
5/4/2010	13:21:44	0.016
5/4/2010	13:22:44	0.020
5/4/2010	13:23:44	0.020
5/4/2010	13:24:44	0.016
5/4/2010	13:25:44	0.019
5/4/2010	13:26:44	0.018
5/4/2010	13:27:44	0.032
5/4/2010	13:28:44	0.021
5/4/2010	13:29:44	0.017
5/4/2010	13:30:44	0.022
5/4/2010	13:31:44	0.016
5/4/2010	13:32:44	0.018
5/4/2010	13:33:44	0.017
5/4/2010	13:34:44	0.027
5/4/2010	13:35:44	0.023
5/4/2010	13:36:44	0.028
5/4/2010	13:37:44	0.027
5/4/2010	13:38:44	0.025
5/4/2010	13:39:44	0.018
5/4/2010	13:40:44	0.018
5/4/2010	13:41:44	0.026
5/4/2010	13:42:44	0.018
5/4/2010	13:43:44	0.027
5/4/2010	13:44:44	0.019
5/4/2010	13:45:44	0.021
5/4/2010	13:46:44	0.017
5/4/2010	13:47:44	0.025
5/4/2010	13:48:44	0.017
5/4/2010	13:49:44	0.017
5/4/2010	13:50:44	0.019
5/4/2010	13:51:44	0.017
5/4/2010	13:52:44	0.016
5/4/2010	13:53:44	0.017
5/4/2010	13:54:44	0.016
5/4/2010	13:55:44	0.018
5/4/2010	13:56:44	0.016
5/4/2010	13:57:44	0.016

5/4/2010	13:58:44	0.018
5/4/2010	13:59:44	0.017
5/4/2010	14:00:44	0.017
5/4/2010	14:01:44	0.017
5/4/2010	14:02:44	0.017
5/4/2010	14:03:44	0.016
5/4/2010	14:04:44	0.016
5/4/2010	14:05:44	0.016
5/4/2010	14:06:44	0.018
5/4/2010	14:07:44	0.017
5/4/2010	14:08:44	0.017
5/4/2010	14:09:44	0.015
5/4/2010	14:10:44	0.018
5/4/2010	14:11:44	0.015
5/4/2010	14:12:44	0.015
5/4/2010	14:13:44	0.016
5/4/2010	14:14:44	0.018
5/4/2010	14:15:44	0.018
5/4/2010	14:16:44	0.015
5/4/2010	14:17:44	0.016
5/4/2010	14:18:44	0.017
5/4/2010	14:19:44	0.017
5/4/2010	14:20:44	0.017
5/4/2010	14:21:44	0.022
5/4/2010	14:22:44	0.022
5/4/2010	14:23:44	0.078
5/4/2010	14:24:44	0.054
5/4/2010	14:25:44	0.028
5/4/2010	14:26:44	0.019
5/4/2010	14:27:44	0.019
5/4/2010	14:28:44	0.021
5/4/2010	14:29:44	0.058
5/4/2010	14:30:44	0.032
5/4/2010	14:31:44	0.016
5/4/2010	14:32:44	0.015
5/4/2010	14:33:44	0.015
5/4/2010	14:34:44	0.015
5/4/2010	14:35:44	0.017
5/4/2010	14:36:44	0.022
5/4/2010	14:37:44	0.062
5/4/2010	14:38:44	0.028
5/4/2010	14:39:44	0.033
5/4/2010	14:40:44	0.030
5/4/2010	14:41:44	0.028

5/4/2010	14:42:44	0.016
5/4/2010	14:43:44	0.025
5/4/2010	14:44:44	0.021
5/4/2010	14:45:44	0.019
5/4/2010	14:46:44	0.024
5/4/2010	14:47:44	0.027
5/4/2010	14:48:44	0.027
5/4/2010	14:49:44	0.061
5/4/2010	14:50:44	0.031
5/4/2010	14:51:44	0.019
5/4/2010	14:52:44	0.037
5/4/2010	14:53:44	0.022
5/4/2010	14:54:44	0.023
5/4/2010	14:55:44	0.019
5/4/2010	14:56:44	0.041
5/4/2010	14:57:44	0.046
5/4/2010	14:58:44	0.043
5/4/2010	14:59:44	0.032
5/4/2010	15:00:44	0.032
5/4/2010	15:01:44	0.042
5/4/2010	15:02:44	0.024
5/4/2010	15:03:44	0.093
5/4/2010	15:04:44	0.018
5/4/2010	15:05:44	0.018
5/4/2010	15:06:44	0.016
5/4/2010	15:07:44	0.014
5/4/2010	15:08:44	0.016
5/4/2010	15:09:44	0.015
5/4/2010	15:10:44	0.016
5/4/2010	15:11:44	0.030
5/4/2010	15:12:44	0.065
5/4/2010	15:13:44	0.023
5/4/2010	15:14:44	0.026
5/4/2010	15:15:44	0.044
5/4/2010	15:16:44	0.014
5/4/2010	15:17:44	0.014
5/4/2010	15:18:44	0.017
5/4/2010	15:19:44	0.015
5/4/2010	15:20:44	0.016
5/4/2010	15:21:44	0.023
5/4/2010	15:22:44	0.018
5/4/2010	15:23:44	0.019
5/4/2010	15:24:44	0.017
5/4/2010	15:25:44	0.013

5/4/2010	15:26:44	0.015
5/4/2010	15:27:44	0.015
5/4/2010	15:28:44	0.015
5/4/2010	15:29:44	0.019
5/4/2010	15:30:44	0.023
5/4/2010	15:31:44	0.018
5/4/2010	15:32:44	0.019
5/4/2010	15:33:44	0.022
5/4/2010	15:34:44	0.016
5/4/2010	15:35:44	0.014
5/4/2010	15:36:44	0.019

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 4, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_001
Test Start Time	7:37:12 AM
Test Start Date	5/4/2010
Test Length [D:H:M]	0:07:58
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.012
Mass Minimum [mg/m3]	0.004
Mass Maximum [mg/m3]	0.039
Mass TWA [mg/m3]	0.012
Photometric User Cal	1
Flow User Cal	1
Errors	
Number of Samples	478

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.017		
120	0.016		
180	0.017		
240	0.018		
300	0.017		
360	0.020		
420	0.016		
480	0.015		
540	0.015		
600	0.015		
660	0.016		
720	0.016		
780	0.015		
840	0.015		
900	0.015		
960	0.015		
1020	0.016		
1080	0.017		
1140	0.018		
1200	0.019		
1260	0.019		
1320	0.016		
1380	0.014		
1440	0.016		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 4, 2010

1500	0.015		
1560	0.014		
1620	0.013		
1680	0.013		
1740	0.013		
1800	0.012		
1860	0.012		
1920	0.011		
1980	0.012		
2040	0.012		
2100	0.011		
2160	0.012		
2220	0.013		
2280	0.012		
2340	0.013		
2400	0.014		
2460	0.012		
2520	0.012		
2580	0.012		
2640	0.011		
2700	0.011		
2760	0.012		
2820	0.012		
2880	0.011		
2940	0.011		
3000	0.011		
3060	0.011		
3120	0.012		
3180	0.012		
3240	0.012		
3300	0.011		
3360	0.011		
3420	0.023		
3480	0.016		
3540	0.014		
3600	0.011		
3660	0.012		
3720	0.012		
3780	0.012		
3840	0.010		
3900	0.013		
3960	0.011		
4020	0.011		
4080	0.010		

4140	0.015		
4200	0.015		
4260	0.013		
4320	0.021		
4380	0.031		
4440	0.015		
4500	0.015		
4560	0.014		
4620	0.017		
4680	0.017		
4740	0.013		
4800	0.014		
4860	0.014		
4920	0.025		
4980	0.016		
5040	0.014		
5100	0.015		
5160	0.013		
5220	0.012		
5280	0.015		
5340	0.025		
5400	0.013		
5460	0.013		
5520	0.012		
5580	0.017		
5640	0.016		
5700	0.022		
5760	0.024		
5820	0.016		
5880	0.013		
5940	0.017		
6000	0.012		
6060	0.013		
6120	0.016		
6180	0.027		
6240	0.015		
6300	0.015		
6360	0.014		
6420	0.016		
6480	0.014		
6540	0.019		
6600	0.021		
6660	0.027		
6720	0.018		

6780	0.026		
6840	0.017		
6900	0.014		
6960	0.018		
7020	0.014		
7080	0.024		
7140	0.027		
7200	0.018		
7260	0.022		
7320	0.015		
7380	0.014		
7440	0.013		
7500	0.014		
7560	0.014		
7620	0.013		
7680	0.016		
7740	0.014		
7800	0.013		
7860	0.014		
7920	0.015		
7980	0.018		
8040	0.014		
8100	0.018		
8160	0.018		
8220	0.015		
8280	0.013		
8340	0.018		
8400	0.016		
8460	0.012		
8520	0.014		
8580	0.015		
8640	0.021		
8700	0.017		
8760	0.015		
8820	0.019		
8880	0.014		
8940	0.017		
9000	0.021		
9060	0.020		
9120	0.022		
9180	0.015		
9240	0.013		
9300	0.019		
9360	0.015		

9420	0.010		
9480	0.015		
9540	0.013		
9600	0.017		
9660	0.014		
9720	0.018		
9780	0.012		
9840	0.015		
9900	0.015		
9960	0.018		
10020	0.014		
10080	0.015		
10140	0.012		
10200	0.015		
10260	0.016		
10320	0.013		
10380	0.015		
10440	0.011		
10500	0.011		
10560	0.015		
10620	0.017		
10680	0.015		
10740	0.032		
10800	0.021		
10860	0.012		
10920	0.017		
10980	0.011		
11040	0.010		
11100	0.011		
11160	0.011		
11220	0.016		
11280	0.015		
11340	0.010		
11400	0.010		
11460	0.009		
11520	0.009		
11580	0.016		
11640	0.011		
11700	0.010		
11760	0.012		
11820	0.011		
11880	0.016		
11940	0.018		
12000	0.015		

12060	0.010		
12120	0.014		
12180	0.011		
12240	0.018		
12300	0.011		
12360	0.012		
12420	0.025		
12480	0.024		
12540	0.014		
12600	0.013		
12660	0.011		
12720	0.013		
12780	0.013		
12840	0.014		
12900	0.014		
12960	0.018		
13020	0.019		
13080	0.013		
13140	0.012		
13200	0.012		
13260	0.011		
13320	0.015		
13380	0.021		
13440	0.014		
13500	0.011		
13560	0.010		
13620	0.011		
13680	0.013		
13740	0.019		
13800	0.015		
13860	0.012		
13920	0.011		
13980	0.009		
14040	0.010		
14100	0.014		
14160	0.015		
14220	0.013		
14280	0.017		
14340	0.021		
14400	0.012		
14460	0.011		
14520	0.011		
14580	0.010		
14640	0.011		

14700	0.010		
14760	0.010		
14820	0.010		
14880	0.010		
14940	0.010		
15000	0.010		
15060	0.012		
15120	0.011		
15180	0.011		
15240	0.010		
15300	0.010		
15360	0.011		
15420	0.011		
15480	0.011		
15540	0.011		
15600	0.011		
15660	0.011		
15720	0.012		
15780	0.011		
15840	0.011		
15900	0.011		
15960	0.011		
16020	0.010		
16080	0.011		
16140	0.011		
16200	0.011		
16260	0.011		
16320	0.011		
16380	0.011		
16440	0.012		
16500	0.011		
16560	0.012		
16620	0.012		
16680	0.012		
16740	0.014		
16800	0.013		
16860	0.013		
16920	0.021		
16980	0.017		
17040	0.016		
17100	0.013		
17160	0.014		
17220	0.015		
17280	0.013		

17340	0.010		
17400	0.008		
17460	0.008		
17520	0.008		
17580	0.008		
17640	0.008		
17700	0.009		
17760	0.009		
17820	0.009		
17880	0.008		
17940	0.009		
18000	0.008		
18060	0.018		
18120	0.013		
18180	0.011		
18240	0.014		
18300	0.009		
18360	0.008		
18420	0.010		
18480	0.010		
18540	0.010		
18600	0.009		
18660	0.009		
18720	0.012		
18780	0.018		
18840	0.010		
18900	0.009		
18960	0.009		
19020	0.011		
19080	0.008		
19140	0.008		
19200	0.008		
19260	0.008		
19320	0.009		
19380	0.011		
19440	0.010		
19500	0.009		
19560	0.009		
19620	0.011		
19680	0.010		
19740	0.010		
19800	0.010		
19860	0.009		
19920	0.010		

19980	0.010		
20040	0.008		
20100	0.009		
20160	0.010		
20220	0.009		
20280	0.009		
20340	0.008		
20400	0.009		
20460	0.009		
20520	0.009		
20580	0.009		
20640	0.011		
20700	0.009		
20760	0.011		
20820	0.012		
20880	0.009		
20940	0.016		
21000	0.010		
21060	0.009		
21120	0.008		
21180	0.010		
21240	0.009		
21300	0.009		
21360	0.010		
21420	0.011		
21480	0.011		
21540	0.011		
21600	0.011		
21660	0.010		
21720	0.012		
21780	0.010		
21840	0.009		
21900	0.009		
21960	0.014		
22020	0.011		
22080	0.011		
22140	0.010		
22200	0.009		
22260	0.010		
22320	0.008		
22380	0.009		
22440	0.010		
22500	0.008		
22560	0.009		

22620	0.008		
22680	0.009		
22740	0.010		
22800	0.010		
22860	0.009		
22920	0.008		
22980	0.009		
23040	0.008		
23100	0.008		
23160	0.010		
23220	0.009		
23280	0.009		
23340	0.009		
23400	0.009		
23460	0.009		
23520	0.009		
23580	0.008		
23640	0.009		
23700	0.008		
23760	0.008		
23820	0.010		
23880	0.009		
23940	0.008		
24000	0.009		
24060	0.009		
24120	0.008		
24180	0.009		
24240	0.009		
24300	0.009		
24360	0.010		
24420	0.009		
24480	0.008		
24540	0.008		
24600	0.009		
24660	0.008		
24720	0.008		
24780	0.007		
24840	0.008		
24900	0.008		
24960	0.008		
25020	0.007		
25080	0.007		
25140	0.007		
25200	0.008		

25260	0.009		
25320	0.008		
25380	0.008		
25440	0.009		
25500	0.008		
25560	0.008		
25620	0.009		
25680	0.023		
25740	0.008		
25800	0.008		
25860	0.009		
25920	0.009		
25980	0.009		
26040	0.008		
26100	0.008		
26160	0.007		
26220	0.007		
26280	0.009		
26340	0.008		
26400	0.008		
26460	0.008		
26520	0.007		
26580	0.007		
26640	0.007		
26700	0.007		
26760	0.007		
26820	0.007		
26880	0.008		
26940	0.007		
27000	0.009		
27060	0.039		
27120	0.010		
27180	0.008		
27240	0.007		
27300	0.007		
27360	0.007		
27420	0.007		
27480	0.007		
27540	0.007		
27600	0.009		
27660	0.007		
27720	0.007		
27780	0.007		
27840	0.007		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 4, 2010

27900	0.007		
27960	0.006		
28020	0.006		
28080	0.006		
28140	0.008		
28200	0.007		
28260	0.006		
28320	0.006		
28380	0.006		
28440	0.006		
28500	0.006		
28560	0.005		
28620	0.005		
28680	0.004		

Former Reliable Truss (246 River Road) Daily Construction/Excavation Monitoring Summary

Date: 5/5/2010

Weather: 60's, slight NW->SE breeze, sunny

Activity: Excavation of 2B and 3B, backfilling of 1

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	85202130	1125	0.020	0.006	0.467	Started at ~0741
ON SITE	85202244	1128	0.016	0.005	0.383	Started at ~0752
DOWN WIND	85300952502	1130	0.006	0.001	0.024	Started at ~0756
UPWIND		1431	0.022	0.006	1.280	
ON SITE		1428	0.015	0.005	0.737	
DOWN WIND		1429	0.005	0.000	0.085	
UPWIND		1600	0.022	0.006	1.280	
ON SITE		1533	0.018	0.005	0.737	
DOWN WIND		1519	0.005	0.000	0.085	
UPWIND						Units stopped at about 1545
ON SITE						Units stopped at about 1545
DOWN WIND						Units stopped at about 1545
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						

NOTES

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	2
Test Abbreviation:	
Start Date:	5/5/2010
Start Time:	7:42:56
Duration (dd:hh:mm:ss):	0:08:21:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	501
Notes:	Upwind

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.022
Minimum:	0.007
Time of Minimum:	7:43:56
Date of Minimum:	5/5/2010
Maximum:	0.283
Time of Maximum:	11:36:56
Date of Maximum:	5/5/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/5/2010	7:43:56	0.007
5/5/2010	7:44:56	0.011
5/5/2010	7:45:56	0.010
5/5/2010	7:46:56	0.007
5/5/2010	7:47:56	0.007
5/5/2010	7:48:56	0.008
5/5/2010	7:49:56	0.008
5/5/2010	7:50:56	0.015
5/5/2010	7:51:56	0.007
5/5/2010	7:52:56	0.008
5/5/2010	7:53:56	0.008
5/5/2010	7:54:56	0.008
5/5/2010	7:55:56	0.008

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

5/5/2010	7:56:56	0.008
5/5/2010	7:57:56	0.009
5/5/2010	7:58:56	0.007
5/5/2010	7:59:56	0.007
5/5/2010	8:00:56	0.008
5/5/2010	8:01:56	0.011
5/5/2010	8:02:56	0.022
5/5/2010	8:03:56	0.010
5/5/2010	8:04:56	0.015
5/5/2010	8:05:56	0.015
5/5/2010	8:06:56	0.012
5/5/2010	8:07:56	0.008
5/5/2010	8:08:56	0.008
5/5/2010	8:09:56	0.008
5/5/2010	8:10:56	0.008
5/5/2010	8:11:56	0.008
5/5/2010	8:12:56	0.009
5/5/2010	8:13:56	0.009
5/5/2010	8:14:56	0.009
5/5/2010	8:15:56	0.008
5/5/2010	8:16:56	0.010
5/5/2010	8:17:56	0.009
5/5/2010	8:18:56	0.010
5/5/2010	8:19:56	0.011
5/5/2010	8:20:56	0.011
5/5/2010	8:21:56	0.018
5/5/2010	8:22:56	0.009
5/5/2010	8:23:56	0.014
5/5/2010	8:24:56	0.023
5/5/2010	8:25:56	0.010
5/5/2010	8:26:56	0.023
5/5/2010	8:27:56	0.016
5/5/2010	8:28:56	0.008
5/5/2010	8:29:56	0.022
5/5/2010	8:30:56	0.017
5/5/2010	8:31:56	0.021
5/5/2010	8:32:56	0.011
5/5/2010	8:33:56	0.011
5/5/2010	8:34:56	0.013
5/5/2010	8:35:56	0.010
5/5/2010	8:36:56	0.025
5/5/2010	8:37:56	0.015
5/5/2010	8:38:56	0.022
5/5/2010	8:39:56	0.054

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

5/5/2010	8:40:56	0.031
5/5/2010	8:41:56	0.031
5/5/2010	8:42:56	0.017
5/5/2010	8:43:56	0.045
5/5/2010	8:44:56	0.026
5/5/2010	8:45:56	0.048
5/5/2010	8:46:56	0.023
5/5/2010	8:47:56	0.036
5/5/2010	8:48:56	0.041
5/5/2010	8:49:56	0.031
5/5/2010	8:50:56	0.022
5/5/2010	8:51:56	0.026
5/5/2010	8:52:56	0.010
5/5/2010	8:53:56	0.040
5/5/2010	8:54:56	0.078
5/5/2010	8:55:56	0.031
5/5/2010	8:56:56	0.033
5/5/2010	8:57:56	0.035
5/5/2010	8:58:56	0.018
5/5/2010	8:59:56	0.013
5/5/2010	9:00:56	0.010
5/5/2010	9:01:56	0.009
5/5/2010	9:02:56	0.009
5/5/2010	9:03:56	0.009
5/5/2010	9:04:56	0.009
5/5/2010	9:05:56	0.009
5/5/2010	9:06:56	0.010
5/5/2010	9:07:56	0.008
5/5/2010	9:08:56	0.009
5/5/2010	9:09:56	0.009
5/5/2010	9:10:56	0.009
5/5/2010	9:11:56	0.009
5/5/2010	9:12:56	0.011
5/5/2010	9:13:56	0.009
5/5/2010	9:14:56	0.009
5/5/2010	9:15:56	0.009
5/5/2010	9:16:56	0.010
5/5/2010	9:17:56	0.069
5/5/2010	9:18:56	0.011
5/5/2010	9:19:56	0.009
5/5/2010	9:20:56	0.017
5/5/2010	9:21:56	0.009
5/5/2010	9:22:56	0.009
5/5/2010	9:23:56	0.014

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

5/5/2010	9:24:56	0.009
5/5/2010	9:25:56	0.012
5/5/2010	9:26:56	0.010
5/5/2010	9:27:56	0.009
5/5/2010	9:28:56	0.009
5/5/2010	9:29:56	0.009
5/5/2010	9:30:56	0.009
5/5/2010	9:31:56	0.009
5/5/2010	9:32:56	0.020
5/5/2010	9:33:56	0.012
5/5/2010	9:34:56	0.009
5/5/2010	9:35:56	0.009
5/5/2010	9:36:56	0.010
5/5/2010	9:37:56	0.014
5/5/2010	9:38:56	0.020
5/5/2010	9:39:56	0.035
5/5/2010	9:40:56	0.029
5/5/2010	9:41:56	0.014
5/5/2010	9:42:56	0.010
5/5/2010	9:43:56	0.010
5/5/2010	9:44:56	0.013
5/5/2010	9:45:56	0.012
5/5/2010	9:46:56	0.012
5/5/2010	9:47:56	0.100
5/5/2010	9:48:56	0.020
5/5/2010	9:49:56	0.018
5/5/2010	9:50:56	0.036
5/5/2010	9:51:56	0.012
5/5/2010	9:52:56	0.013
5/5/2010	9:53:56	0.014
5/5/2010	9:54:56	0.012
5/5/2010	9:55:56	0.010
5/5/2010	9:56:56	0.012
5/5/2010	9:57:56	0.010
5/5/2010	9:58:56	0.016
5/5/2010	9:59:56	0.009
5/5/2010	10:00:56	0.009
5/5/2010	10:01:56	0.055
5/5/2010	10:02:56	0.011
5/5/2010	10:03:56	0.010
5/5/2010	10:04:56	0.011
5/5/2010	10:05:56	0.009
5/5/2010	10:06:56	0.010
5/5/2010	10:07:56	0.051

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

5/5/2010	10:08:56	0.009
5/5/2010	10:09:56	0.010
5/5/2010	10:10:56	0.010
5/5/2010	10:11:56	0.093
5/5/2010	10:12:56	0.013
5/5/2010	10:13:56	0.010
5/5/2010	10:14:56	0.027
5/5/2010	10:15:56	0.176
5/5/2010	10:16:56	0.014
5/5/2010	10:17:56	0.014
5/5/2010	10:18:56	0.012
5/5/2010	10:19:56	0.023
5/5/2010	10:20:56	0.030
5/5/2010	10:21:56	0.013
5/5/2010	10:22:56	0.012
5/5/2010	10:23:56	0.011
5/5/2010	10:24:56	0.017
5/5/2010	10:25:56	0.012
5/5/2010	10:26:56	0.031
5/5/2010	10:27:56	0.016
5/5/2010	10:28:56	0.011
5/5/2010	10:29:56	0.025
5/5/2010	10:30:56	0.011
5/5/2010	10:31:56	0.010
5/5/2010	10:32:56	0.010
5/5/2010	10:33:56	0.010
5/5/2010	10:34:56	0.043
5/5/2010	10:35:56	0.010
5/5/2010	10:36:56	0.028
5/5/2010	10:37:56	0.041
5/5/2010	10:38:56	0.037
5/5/2010	10:39:56	0.017
5/5/2010	10:40:56	0.011
5/5/2010	10:41:56	0.014
5/5/2010	10:42:56	0.010
5/5/2010	10:43:56	0.025
5/5/2010	10:44:56	0.014
5/5/2010	10:45:56	0.038
5/5/2010	10:46:56	0.082
5/5/2010	10:47:56	0.016
5/5/2010	10:48:56	0.012
5/5/2010	10:49:56	0.057
5/5/2010	10:50:56	0.013
5/5/2010	10:51:56	0.012

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

5/5/2010	10:52:56	0.011
5/5/2010	10:53:56	0.010
5/5/2010	10:54:56	0.014
5/5/2010	10:55:56	0.010
5/5/2010	10:56:56	0.011
5/5/2010	10:57:56	0.043
5/5/2010	10:58:56	0.010
5/5/2010	10:59:56	0.032
5/5/2010	11:00:56	0.025
5/5/2010	11:01:56	0.012
5/5/2010	11:02:56	0.044
5/5/2010	11:03:56	0.016
5/5/2010	11:04:56	0.010
5/5/2010	11:05:56	0.025
5/5/2010	11:06:56	0.047
5/5/2010	11:07:56	0.018
5/5/2010	11:08:56	0.017
5/5/2010	11:09:56	0.019
5/5/2010	11:10:56	0.010
5/5/2010	11:11:56	0.023
5/5/2010	11:12:56	0.010
5/5/2010	11:13:56	0.062
5/5/2010	11:14:56	0.026
5/5/2010	11:15:56	0.027
5/5/2010	11:16:56	0.034
5/5/2010	11:17:56	0.074
5/5/2010	11:18:56	0.015
5/5/2010	11:19:56	0.049
5/5/2010	11:20:56	0.050
5/5/2010	11:21:56	0.047
5/5/2010	11:22:56	0.011
5/5/2010	11:23:56	0.023
5/5/2010	11:24:56	0.011
5/5/2010	11:25:56	0.016
5/5/2010	11:26:56	0.013
5/5/2010	11:27:56	0.059
5/5/2010	11:28:56	0.019
5/5/2010	11:29:56	0.011
5/5/2010	11:30:56	0.015
5/5/2010	11:31:56	0.058
5/5/2010	11:32:56	0.015
5/5/2010	11:33:56	0.011
5/5/2010	11:34:56	0.017
5/5/2010	11:35:56	0.046

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

5/5/2010	11:36:56	0.283
5/5/2010	11:37:56	0.050
5/5/2010	11:38:56	0.011
5/5/2010	11:39:56	0.053
5/5/2010	11:40:56	0.091
5/5/2010	11:41:56	0.013
5/5/2010	11:42:56	0.012
5/5/2010	11:43:56	0.098
5/5/2010	11:44:56	0.011
5/5/2010	11:45:56	0.022
5/5/2010	11:46:56	0.052
5/5/2010	11:47:56	0.015
5/5/2010	11:48:56	0.011
5/5/2010	11:49:56	0.028
5/5/2010	11:50:56	0.010
5/5/2010	11:51:56	0.010
5/5/2010	11:52:56	0.016
5/5/2010	11:53:56	0.010
5/5/2010	11:54:56	0.011
5/5/2010	11:55:56	0.015
5/5/2010	11:56:56	0.022
5/5/2010	11:57:56	0.011
5/5/2010	11:58:56	0.172
5/5/2010	11:59:56	0.023
5/5/2010	12:00:56	0.015
5/5/2010	12:01:56	0.011
5/5/2010	12:02:56	0.012
5/5/2010	12:03:56	0.012
5/5/2010	12:04:56	0.014
5/5/2010	12:05:56	0.072
5/5/2010	12:06:56	0.049
5/5/2010	12:07:56	0.011
5/5/2010	12:08:56	0.012
5/5/2010	12:09:56	0.015
5/5/2010	12:10:56	0.010
5/5/2010	12:11:56	0.010
5/5/2010	12:12:56	0.015
5/5/2010	12:13:56	0.010
5/5/2010	12:14:56	0.033
5/5/2010	12:15:56	0.023
5/5/2010	12:16:56	0.017
5/5/2010	12:17:56	0.044
5/5/2010	12:18:56	0.012
5/5/2010	12:19:56	0.016

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

5/5/2010	12:20:56	0.017
5/5/2010	12:21:56	0.010
5/5/2010	12:22:56	0.010
5/5/2010	12:23:56	0.012
5/5/2010	12:24:56	0.012
5/5/2010	12:25:56	0.009
5/5/2010	12:26:56	0.010
5/5/2010	12:27:56	0.010
5/5/2010	12:28:56	0.013
5/5/2010	12:29:56	0.022
5/5/2010	12:30:56	0.011
5/5/2010	12:31:56	0.036
5/5/2010	12:32:56	0.011
5/5/2010	12:33:56	0.011
5/5/2010	12:34:56	0.010
5/5/2010	12:35:56	0.012
5/5/2010	12:36:56	0.014
5/5/2010	12:37:56	0.012
5/5/2010	12:38:56	0.020
5/5/2010	12:39:56	0.019
5/5/2010	12:40:56	0.034
5/5/2010	12:41:56	0.011
5/5/2010	12:42:56	0.012
5/5/2010	12:43:56	0.018
5/5/2010	12:44:56	0.009
5/5/2010	12:45:56	0.010
5/5/2010	12:46:56	0.016
5/5/2010	12:47:56	0.069
5/5/2010	12:48:56	0.023
5/5/2010	12:49:56	0.016
5/5/2010	12:50:56	0.010
5/5/2010	12:51:56	0.041
5/5/2010	12:52:56	0.010
5/5/2010	12:53:56	0.036
5/5/2010	12:54:56	0.014
5/5/2010	12:55:56	0.011
5/5/2010	12:56:56	0.025
5/5/2010	12:57:56	0.018
5/5/2010	12:58:56	0.040
5/5/2010	12:59:56	0.162
5/5/2010	13:00:56	0.016
5/5/2010	13:01:56	0.014
5/5/2010	13:02:56	0.019
5/5/2010	13:03:56	0.019

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

5/5/2010	13:04:56	0.014
5/5/2010	13:05:56	0.018
5/5/2010	13:06:56	0.011
5/5/2010	13:07:56	0.011
5/5/2010	13:08:56	0.013
5/5/2010	13:09:56	0.024
5/5/2010	13:10:56	0.013
5/5/2010	13:11:56	0.012
5/5/2010	13:12:56	0.024
5/5/2010	13:13:56	0.061
5/5/2010	13:14:56	0.012
5/5/2010	13:15:56	0.013
5/5/2010	13:16:56	0.013
5/5/2010	13:17:56	0.014
5/5/2010	13:18:56	0.011
5/5/2010	13:19:56	0.018
5/5/2010	13:20:56	0.012
5/5/2010	13:21:56	0.028
5/5/2010	13:22:56	0.042
5/5/2010	13:23:56	0.035
5/5/2010	13:24:56	0.010
5/5/2010	13:25:56	0.011
5/5/2010	13:26:56	0.013
5/5/2010	13:27:56	0.013
5/5/2010	13:28:56	0.270
5/5/2010	13:29:56	0.018
5/5/2010	13:30:56	0.018
5/5/2010	13:31:56	0.034
5/5/2010	13:32:56	0.012
5/5/2010	13:33:56	0.014
5/5/2010	13:34:56	0.011
5/5/2010	13:35:56	0.042
5/5/2010	13:36:56	0.012
5/5/2010	13:37:56	0.012
5/5/2010	13:38:56	0.011
5/5/2010	13:39:56	0.028
5/5/2010	13:40:56	0.013
5/5/2010	13:41:56	0.011
5/5/2010	13:42:56	0.011
5/5/2010	13:43:56	0.019
5/5/2010	13:44:56	0.017
5/5/2010	13:45:56	0.037
5/5/2010	13:46:56	0.013
5/5/2010	13:47:56	0.011

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

5/5/2010	13:48:56	0.022
5/5/2010	13:49:56	0.013
5/5/2010	13:50:56	0.028
5/5/2010	13:51:56	0.012
5/5/2010	13:52:56	0.024
5/5/2010	13:53:56	0.017
5/5/2010	13:54:56	0.012
5/5/2010	13:55:56	0.019
5/5/2010	13:56:56	0.014
5/5/2010	13:57:56	0.018
5/5/2010	13:58:56	0.011
5/5/2010	13:59:56	0.011
5/5/2010	14:00:56	0.011
5/5/2010	14:01:56	0.070
5/5/2010	14:02:56	0.012
5/5/2010	14:03:56	0.019
5/5/2010	14:04:56	0.017
5/5/2010	14:05:56	0.026
5/5/2010	14:06:56	0.012
5/5/2010	14:07:56	0.018
5/5/2010	14:08:56	0.012
5/5/2010	14:09:56	0.029
5/5/2010	14:10:56	0.024
5/5/2010	14:11:56	0.014
5/5/2010	14:12:56	0.013
5/5/2010	14:13:56	0.012
5/5/2010	14:14:56	0.019
5/5/2010	14:15:56	0.040
5/5/2010	14:16:56	0.029
5/5/2010	14:17:56	0.019
5/5/2010	14:18:56	0.013
5/5/2010	14:19:56	0.014
5/5/2010	14:20:56	0.020
5/5/2010	14:21:56	0.044
5/5/2010	14:22:56	0.015
5/5/2010	14:23:56	0.021
5/5/2010	14:24:56	0.023
5/5/2010	14:25:56	0.016
5/5/2010	14:26:56	0.017
5/5/2010	14:27:56	0.026
5/5/2010	14:28:56	0.016
5/5/2010	14:29:56	0.013
5/5/2010	14:30:56	0.012
5/5/2010	14:31:56	0.013

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

5/5/2010	14:32:56	0.012
5/5/2010	14:33:56	0.019
5/5/2010	14:34:56	0.017
5/5/2010	14:35:56	0.015
5/5/2010	14:36:56	0.019
5/5/2010	14:37:56	0.013
5/5/2010	14:38:56	0.013
5/5/2010	14:39:56	0.014
5/5/2010	14:40:56	0.012
5/5/2010	14:41:56	0.012
5/5/2010	14:42:56	0.013
5/5/2010	14:43:56	0.019
5/5/2010	14:44:56	0.013
5/5/2010	14:45:56	0.012
5/5/2010	14:46:56	0.018
5/5/2010	14:47:56	0.017
5/5/2010	14:48:56	0.030
5/5/2010	14:49:56	0.020
5/5/2010	14:50:56	0.027
5/5/2010	14:51:56	0.036
5/5/2010	14:52:56	0.019
5/5/2010	14:53:56	0.013
5/5/2010	14:54:56	0.014
5/5/2010	14:55:56	0.014
5/5/2010	14:56:56	0.013
5/5/2010	14:57:56	0.013
5/5/2010	14:58:56	0.019
5/5/2010	14:59:56	0.014
5/5/2010	15:00:56	0.014
5/5/2010	15:01:56	0.014
5/5/2010	15:02:56	0.027
5/5/2010	15:03:56	0.013
5/5/2010	15:04:56	0.058
5/5/2010	15:05:56	0.017
5/5/2010	15:06:56	0.016
5/5/2010	15:07:56	0.050
5/5/2010	15:08:56	0.109
5/5/2010	15:09:56	0.021
5/5/2010	15:10:56	0.018
5/5/2010	15:11:56	0.016
5/5/2010	15:12:56	0.013
5/5/2010	15:13:56	0.016
5/5/2010	15:14:56	0.017
5/5/2010	15:15:56	0.078

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

5/5/2010	15:16:56	0.094
5/5/2010	15:17:56	0.033
5/5/2010	15:18:56	0.016
5/5/2010	15:19:56	0.013
5/5/2010	15:20:56	0.014
5/5/2010	15:21:56	0.019
5/5/2010	15:22:56	0.019
5/5/2010	15:23:56	0.025
5/5/2010	15:24:56	0.015
5/5/2010	15:25:56	0.018
5/5/2010	15:26:56	0.018
5/5/2010	15:27:56	0.015
5/5/2010	15:28:56	0.015
5/5/2010	15:29:56	0.019
5/5/2010	15:30:56	0.017
5/5/2010	15:31:56	0.016
5/5/2010	15:32:56	0.018
5/5/2010	15:33:56	0.018
5/5/2010	15:34:56	0.014
5/5/2010	15:35:56	0.097
5/5/2010	15:36:56	0.049
5/5/2010	15:37:56	0.033
5/5/2010	15:38:56	0.020
5/5/2010	15:39:56	0.059
5/5/2010	15:40:56	0.016
5/5/2010	15:41:56	0.015
5/5/2010	15:42:56	0.014
5/5/2010	15:43:56	0.015
5/5/2010	15:44:56	0.015
5/5/2010	15:45:56	0.017
5/5/2010	15:46:56	0.019
5/5/2010	15:47:56	0.019
5/5/2010	15:48:56	0.017
5/5/2010	15:49:56	0.015
5/5/2010	15:50:56	0.015
5/5/2010	15:51:56	0.020
5/5/2010	15:52:56	0.015
5/5/2010	15:53:56	0.019
5/5/2010	15:54:56	0.016
5/5/2010	15:55:56	0.015
5/5/2010	15:56:56	0.018
5/5/2010	15:57:56	0.022
5/5/2010	15:58:56	0.015
5/5/2010	15:59:56	0.018

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

5/5/2010	16:00:56	0.019
5/5/2010	16:01:56	0.016
5/5/2010	16:02:56	0.015
5/5/2010	16:03:56	0.032

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	3
Test Abbreviation:	
Start Date:	5/5/2010
Start Time:	7:53:59
Duration (dd:hh:mm:ss):	0:07:41:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	461
Notes:	Worksite/Nearest Property

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.018
Minimum:	0.006
Time of Minimum:	11:52:59
Date of Minimum:	5/5/2010
Maximum:	0.169
Time of Maximum:	15:17:59
Date of Maximum:	5/5/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/5/2010	7:54:59	0.031
5/5/2010	7:55:59	0.017
5/5/2010	7:56:59	0.018
5/5/2010	7:57:59	0.016
5/5/2010	7:58:59	0.013
5/5/2010	7:59:59	0.010
5/5/2010	8:00:59	0.015
5/5/2010	8:01:59	0.010
5/5/2010	8:02:59	0.049
5/5/2010	8:03:59	0.016
5/5/2010	8:04:59	0.017
5/5/2010	8:05:59	0.018
5/5/2010	8:06:59	0.030

5/5/2010	8:07:59	0.025
5/5/2010	8:08:59	0.021
5/5/2010	8:09:59	0.022
5/5/2010	8:10:59	0.021
5/5/2010	8:11:59	0.022
5/5/2010	8:12:59	0.024
5/5/2010	8:13:59	0.009
5/5/2010	8:14:59	0.010
5/5/2010	8:15:59	0.021
5/5/2010	8:16:59	0.044
5/5/2010	8:17:59	0.023
5/5/2010	8:18:59	0.023
5/5/2010	8:19:59	0.016
5/5/2010	8:20:59	0.013
5/5/2010	8:21:59	0.017
5/5/2010	8:22:59	0.017
5/5/2010	8:23:59	0.017
5/5/2010	8:24:59	0.028
5/5/2010	8:25:59	0.028
5/5/2010	8:26:59	0.027
5/5/2010	8:27:59	0.028
5/5/2010	8:28:59	0.019
5/5/2010	8:29:59	0.036
5/5/2010	8:30:59	0.017
5/5/2010	8:31:59	0.015
5/5/2010	8:32:59	0.021
5/5/2010	8:33:59	0.011
5/5/2010	8:34:59	0.011
5/5/2010	8:35:59	0.021
5/5/2010	8:36:59	0.021
5/5/2010	8:37:59	0.020
5/5/2010	8:38:59	0.019
5/5/2010	8:39:59	0.016
5/5/2010	8:40:59	0.014
5/5/2010	8:41:59	0.011
5/5/2010	8:42:59	0.012
5/5/2010	8:43:59	0.009
5/5/2010	8:44:59	0.014
5/5/2010	8:45:59	0.009
5/5/2010	8:46:59	0.014
5/5/2010	8:47:59	0.015
5/5/2010	8:48:59	0.012
5/5/2010	8:49:59	0.016
5/5/2010	8:50:59	0.021

5/5/2010	8:51:59	0.017
5/5/2010	8:52:59	0.014
5/5/2010	8:53:59	0.038
5/5/2010	8:54:59	0.013
5/5/2010	8:55:59	0.021
5/5/2010	8:56:59	0.010
5/5/2010	8:57:59	0.012
5/5/2010	8:58:59	0.010
5/5/2010	8:59:59	0.011
5/5/2010	9:00:59	0.019
5/5/2010	9:01:59	0.016
5/5/2010	9:02:59	0.011
5/5/2010	9:03:59	0.015
5/5/2010	9:04:59	0.010
5/5/2010	9:05:59	0.012
5/5/2010	9:06:59	0.011
5/5/2010	9:07:59	0.010
5/5/2010	9:08:59	0.010
5/5/2010	9:09:59	0.011
5/5/2010	9:10:59	0.011
5/5/2010	9:11:59	0.010
5/5/2010	9:12:59	0.010
5/5/2010	9:13:59	0.010
5/5/2010	9:14:59	0.013
5/5/2010	9:15:59	0.012
5/5/2010	9:16:59	0.010
5/5/2010	9:17:59	0.010
5/5/2010	9:18:59	0.011
5/5/2010	9:19:59	0.017
5/5/2010	9:20:59	0.010
5/5/2010	9:21:59	0.011
5/5/2010	9:22:59	0.011
5/5/2010	9:23:59	0.010
5/5/2010	9:24:59	0.012
5/5/2010	9:25:59	0.029
5/5/2010	9:26:59	0.041
5/5/2010	9:27:59	0.032
5/5/2010	9:28:59	0.012
5/5/2010	9:29:59	0.012
5/5/2010	9:30:59	0.014
5/5/2010	9:31:59	0.011
5/5/2010	9:32:59	0.032
5/5/2010	9:33:59	0.023
5/5/2010	9:34:59	0.013

5/5/2010	9:35:59	0.015
5/5/2010	9:36:59	0.009
5/5/2010	9:37:59	0.014
5/5/2010	9:38:59	0.020
5/5/2010	9:39:59	0.010
5/5/2010	9:40:59	0.010
5/5/2010	9:41:59	0.010
5/5/2010	9:42:59	0.009
5/5/2010	9:43:59	0.009
5/5/2010	9:44:59	0.011
5/5/2010	9:45:59	0.009
5/5/2010	9:46:59	0.010
5/5/2010	9:47:59	0.015
5/5/2010	9:48:59	0.010
5/5/2010	9:49:59	0.009
5/5/2010	9:50:59	0.024
5/5/2010	9:51:59	0.015
5/5/2010	9:52:59	0.024
5/5/2010	9:53:59	0.026
5/5/2010	9:54:59	0.019
5/5/2010	9:55:59	0.020
5/5/2010	9:56:59	0.086
5/5/2010	9:57:59	0.035
5/5/2010	9:58:59	0.032
5/5/2010	9:59:59	0.010
5/5/2010	10:00:59	0.021
5/5/2010	10:01:59	0.014
5/5/2010	10:02:59	0.019
5/5/2010	10:03:59	0.027
5/5/2010	10:04:59	0.017
5/5/2010	10:05:59	0.015
5/5/2010	10:06:59	0.011
5/5/2010	10:07:59	0.022
5/5/2010	10:08:59	0.032
5/5/2010	10:09:59	0.012
5/5/2010	10:10:59	0.032
5/5/2010	10:11:59	0.011
5/5/2010	10:12:59	0.013
5/5/2010	10:13:59	0.016
5/5/2010	10:14:59	0.015
5/5/2010	10:15:59	0.014
5/5/2010	10:16:59	0.017
5/5/2010	10:17:59	0.011
5/5/2010	10:18:59	0.014

5/5/2010	10:19:59	0.013
5/5/2010	10:20:59	0.016
5/5/2010	10:21:59	0.020
5/5/2010	10:22:59	0.044
5/5/2010	10:23:59	0.035
5/5/2010	10:24:59	0.011
5/5/2010	10:25:59	0.011
5/5/2010	10:26:59	0.010
5/5/2010	10:27:59	0.010
5/5/2010	10:28:59	0.018
5/5/2010	10:29:59	0.014
5/5/2010	10:30:59	0.015
5/5/2010	10:31:59	0.011
5/5/2010	10:32:59	0.009
5/5/2010	10:33:59	0.009
5/5/2010	10:34:59	0.009
5/5/2010	10:35:59	0.012
5/5/2010	10:36:59	0.012
5/5/2010	10:37:59	0.009
5/5/2010	10:38:59	0.010
5/5/2010	10:39:59	0.012
5/5/2010	10:40:59	0.018
5/5/2010	10:41:59	0.020
5/5/2010	10:42:59	0.022
5/5/2010	10:43:59	0.018
5/5/2010	10:44:59	0.012
5/5/2010	10:45:59	0.015
5/5/2010	10:46:59	0.016
5/5/2010	10:47:59	0.011
5/5/2010	10:48:59	0.008
5/5/2010	10:49:59	0.008
5/5/2010	10:50:59	0.011
5/5/2010	10:51:59	0.019
5/5/2010	10:52:59	0.022
5/5/2010	10:53:59	0.009
5/5/2010	10:54:59	0.008
5/5/2010	10:55:59	0.008
5/5/2010	10:56:59	0.009
5/5/2010	10:57:59	0.011
5/5/2010	10:58:59	0.017
5/5/2010	10:59:59	0.009
5/5/2010	11:00:59	0.009
5/5/2010	11:01:59	0.011
5/5/2010	11:02:59	0.014

5/5/2010	11:03:59	0.015
5/5/2010	11:04:59	0.016
5/5/2010	11:05:59	0.013
5/5/2010	11:06:59	0.008
5/5/2010	11:07:59	0.007
5/5/2010	11:08:59	0.023
5/5/2010	11:09:59	0.010
5/5/2010	11:10:59	0.009
5/5/2010	11:11:59	0.010
5/5/2010	11:12:59	0.009
5/5/2010	11:13:59	0.008
5/5/2010	11:14:59	0.007
5/5/2010	11:15:59	0.010
5/5/2010	11:16:59	0.008
5/5/2010	11:17:59	0.007
5/5/2010	11:18:59	0.008
5/5/2010	11:19:59	0.008
5/5/2010	11:20:59	0.010
5/5/2010	11:21:59	0.009
5/5/2010	11:22:59	0.009
5/5/2010	11:23:59	0.009
5/5/2010	11:24:59	0.008
5/5/2010	11:25:59	0.007
5/5/2010	11:26:59	0.007
5/5/2010	11:27:59	0.008
5/5/2010	11:28:59	0.012
5/5/2010	11:29:59	0.011
5/5/2010	11:30:59	0.014
5/5/2010	11:31:59	0.014
5/5/2010	11:32:59	0.011
5/5/2010	11:33:59	0.024
5/5/2010	11:34:59	0.016
5/5/2010	11:35:59	0.009
5/5/2010	11:36:59	0.011
5/5/2010	11:37:59	0.015
5/5/2010	11:38:59	0.013
5/5/2010	11:39:59	0.010
5/5/2010	11:40:59	0.008
5/5/2010	11:41:59	0.017
5/5/2010	11:42:59	0.025
5/5/2010	11:43:59	0.009
5/5/2010	11:44:59	0.010
5/5/2010	11:45:59	0.009
5/5/2010	11:46:59	0.009

5/5/2010	11:47:59	0.008
5/5/2010	11:48:59	0.024
5/5/2010	11:49:59	0.008
5/5/2010	11:50:59	0.008
5/5/2010	11:51:59	0.012
5/5/2010	11:52:59	0.006
5/5/2010	11:53:59	0.008
5/5/2010	11:54:59	0.009
5/5/2010	11:55:59	0.007
5/5/2010	11:56:59	0.007
5/5/2010	11:57:59	0.008
5/5/2010	11:58:59	0.009
5/5/2010	11:59:59	0.008
5/5/2010	12:00:59	0.007
5/5/2010	12:01:59	0.018
5/5/2010	12:02:59	0.006
5/5/2010	12:03:59	0.006
5/5/2010	12:04:59	0.007
5/5/2010	12:05:59	0.006
5/5/2010	12:06:59	0.006
5/5/2010	12:07:59	0.006
5/5/2010	12:08:59	0.007
5/5/2010	12:09:59	0.007
5/5/2010	12:10:59	0.006
5/5/2010	12:11:59	0.006
5/5/2010	12:12:59	0.006
5/5/2010	12:13:59	0.007
5/5/2010	12:14:59	0.007
5/5/2010	12:15:59	0.007
5/5/2010	12:16:59	0.007
5/5/2010	12:17:59	0.006
5/5/2010	12:18:59	0.007
5/5/2010	12:19:59	0.006
5/5/2010	12:20:59	0.008
5/5/2010	12:21:59	0.007
5/5/2010	12:22:59	0.007
5/5/2010	12:23:59	0.006
5/5/2010	12:24:59	0.006
5/5/2010	12:25:59	0.006
5/5/2010	12:26:59	0.032
5/5/2010	12:27:59	0.006
5/5/2010	12:28:59	0.006
5/5/2010	12:29:59	0.006
5/5/2010	12:30:59	0.006

5/5/2010	12:31:59	0.006
5/5/2010	12:32:59	0.006
5/5/2010	12:33:59	0.007
5/5/2010	12:34:59	0.006
5/5/2010	12:35:59	0.006
5/5/2010	12:36:59	0.006
5/5/2010	12:37:59	0.008
5/5/2010	12:38:59	0.007
5/5/2010	12:39:59	0.006
5/5/2010	12:40:59	0.006
5/5/2010	12:41:59	0.011
5/5/2010	12:42:59	0.041
5/5/2010	12:43:59	0.019
5/5/2010	12:44:59	0.015
5/5/2010	12:45:59	0.013
5/5/2010	12:46:59	0.023
5/5/2010	12:47:59	0.018
5/5/2010	12:48:59	0.036
5/5/2010	12:49:59	0.034
5/5/2010	12:50:59	0.018
5/5/2010	12:51:59	0.007
5/5/2010	12:52:59	0.009
5/5/2010	12:53:59	0.091
5/5/2010	12:54:59	0.052
5/5/2010	12:55:59	0.020
5/5/2010	12:56:59	0.013
5/5/2010	12:57:59	0.007
5/5/2010	12:58:59	0.011
5/5/2010	12:59:59	0.008
5/5/2010	13:00:59	0.010
5/5/2010	13:01:59	0.011
5/5/2010	13:02:59	0.007
5/5/2010	13:03:59	0.007
5/5/2010	13:04:59	0.012
5/5/2010	13:05:59	0.009
5/5/2010	13:06:59	0.007
5/5/2010	13:07:59	0.008
5/5/2010	13:08:59	0.017
5/5/2010	13:09:59	0.058
5/5/2010	13:10:59	0.012
5/5/2010	13:11:59	0.015
5/5/2010	13:12:59	0.016
5/5/2010	13:13:59	0.010
5/5/2010	13:14:59	0.019

5/5/2010	13:15:59	0.016
5/5/2010	13:16:59	0.033
5/5/2010	13:17:59	0.012
5/5/2010	13:18:59	0.011
5/5/2010	13:19:59	0.153
5/5/2010	13:20:59	0.008
5/5/2010	13:21:59	0.007
5/5/2010	13:22:59	0.011
5/5/2010	13:23:59	0.008
5/5/2010	13:24:59	0.013
5/5/2010	13:25:59	0.013
5/5/2010	13:26:59	0.010
5/5/2010	13:27:59	0.008
5/5/2010	13:28:59	0.008
5/5/2010	13:29:59	0.007
5/5/2010	13:30:59	0.008
5/5/2010	13:31:59	0.011
5/5/2010	13:32:59	0.014
5/5/2010	13:33:59	0.009
5/5/2010	13:34:59	0.016
5/5/2010	13:35:59	0.009
5/5/2010	13:36:59	0.008
5/5/2010	13:37:59	0.011
5/5/2010	13:38:59	0.010
5/5/2010	13:39:59	0.009
5/5/2010	13:40:59	0.009
5/5/2010	13:41:59	0.030
5/5/2010	13:42:59	0.012
5/5/2010	13:43:59	0.016
5/5/2010	13:44:59	0.023
5/5/2010	13:45:59	0.010
5/5/2010	13:46:59	0.010
5/5/2010	13:47:59	0.025
5/5/2010	13:48:59	0.011
5/5/2010	13:49:59	0.009
5/5/2010	13:50:59	0.009
5/5/2010	13:51:59	0.010
5/5/2010	13:52:59	0.013
5/5/2010	13:53:59	0.014
5/5/2010	13:54:59	0.024
5/5/2010	13:55:59	0.012
5/5/2010	13:56:59	0.015
5/5/2010	13:57:59	0.052
5/5/2010	13:58:59	0.013

5/5/2010	13:59:59	0.012
5/5/2010	14:00:59	0.013
5/5/2010	14:01:59	0.019
5/5/2010	14:02:59	0.034
5/5/2010	14:03:59	0.053
5/5/2010	14:04:59	0.014
5/5/2010	14:05:59	0.012
5/5/2010	14:06:59	0.009
5/5/2010	14:07:59	0.010
5/5/2010	14:08:59	0.010
5/5/2010	14:09:59	0.013
5/5/2010	14:10:59	0.010
5/5/2010	14:11:59	0.010
5/5/2010	14:12:59	0.010
5/5/2010	14:13:59	0.011
5/5/2010	14:14:59	0.012
5/5/2010	14:15:59	0.033
5/5/2010	14:16:59	0.019
5/5/2010	14:17:59	0.034
5/5/2010	14:18:59	0.037
5/5/2010	14:19:59	0.019
5/5/2010	14:20:59	0.013
5/5/2010	14:21:59	0.011
5/5/2010	14:22:59	0.022
5/5/2010	14:23:59	0.027
5/5/2010	14:24:59	0.010
5/5/2010	14:25:59	0.027
5/5/2010	14:26:59	0.020
5/5/2010	14:27:59	0.011
5/5/2010	14:28:59	0.011
5/5/2010	14:29:59	0.072
5/5/2010	14:30:59	0.033
5/5/2010	14:31:59	0.013
5/5/2010	14:32:59	0.013
5/5/2010	14:33:59	0.011
5/5/2010	14:34:59	0.014
5/5/2010	14:35:59	0.015
5/5/2010	14:36:59	0.013
5/5/2010	14:37:59	0.032
5/5/2010	14:38:59	0.013
5/5/2010	14:39:59	0.104
5/5/2010	14:40:59	0.038
5/5/2010	14:41:59	0.016
5/5/2010	14:42:59	0.049

5/5/2010	14:43:59	0.012
5/5/2010	14:44:59	0.011
5/5/2010	14:45:59	0.013
5/5/2010	14:46:59	0.013
5/5/2010	14:47:59	0.012
5/5/2010	14:48:59	0.013
5/5/2010	14:49:59	0.012
5/5/2010	14:50:59	0.015
5/5/2010	14:51:59	0.012
5/5/2010	14:52:59	0.111
5/5/2010	14:53:59	0.021
5/5/2010	14:54:59	0.039
5/5/2010	14:55:59	0.023
5/5/2010	14:56:59	0.027
5/5/2010	14:57:59	0.022
5/5/2010	14:58:59	0.013
5/5/2010	14:59:59	0.012
5/5/2010	15:00:59	0.013
5/5/2010	15:01:59	0.012
5/5/2010	15:02:59	0.013
5/5/2010	15:03:59	0.013
5/5/2010	15:04:59	0.012
5/5/2010	15:05:59	0.013
5/5/2010	15:06:59	0.018
5/5/2010	15:07:59	0.031
5/5/2010	15:08:59	0.021
5/5/2010	15:09:59	0.015
5/5/2010	15:10:59	0.017
5/5/2010	15:11:59	0.021
5/5/2010	15:12:59	0.027
5/5/2010	15:13:59	0.024
5/5/2010	15:14:59	0.052
5/5/2010	15:15:59	0.058
5/5/2010	15:16:59	0.013
5/5/2010	15:17:59	0.169
5/5/2010	15:18:59	0.037
5/5/2010	15:19:59	0.027
5/5/2010	15:20:59	0.036
5/5/2010	15:21:59	0.023
5/5/2010	15:22:59	0.056
5/5/2010	15:23:59	0.040
5/5/2010	15:24:59	0.080
5/5/2010	15:25:59	0.097
5/5/2010	15:26:59	0.066

5/5/2010	15:27:59	0.073
5/5/2010	15:28:59	0.037
5/5/2010	15:29:59	0.028
5/5/2010	15:30:59	0.042
5/5/2010	15:31:59	0.026
5/5/2010	15:32:59	0.024
5/5/2010	15:33:59	0.025
5/5/2010	15:34:59	0.120

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 5, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_002
Test Start Time	7:53:36 AM
Test Start Date	5/5/2010
Test Length [D:H:M]	0:07:23
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.085
Mass TWA [mg/m3]	0.004
Photometric User Cal	1
Flow User Cal	1
Errors	
Number of Samples	443
Number of STELS	2

STEL Start Time	1:10:41 PM
STEL Start Date	5/5/2010
STEL Average [mg/m3]	0.009
STEL Minimum [mg/m3]	0
STEL Maximum [mg/m3]	0.541

STEL Start Time	1:48:24 PM
STEL Start Date	5/5/2010
STEL Average [mg/m3]	0.004
STEL Minimum [mg/m3]	0
STEL Maximum [mg/m3]	0.61

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.014		
120	0.012		
180	0.020		
240	0.012		
300	0.022		
360	0.016		
420	0.016		
480	0.014		
540	0.017		
600	0.015		
660	0.015		

720	0.015		
780	0.015		
840	0.020		
900	0.024		
960	0.012		
1020	0.010		
1080	0.015		
1140	0.016		
1200	0.017		
1260	0.014		
1320	0.011		
1380	0.008		
1440	0.012		
1500	0.014		
1560	0.010		
1620	0.015		
1680	0.020		
1740	0.012		
1800	0.011		
1860	0.013		
1920	0.010		
1980	0.019		
2040	0.012		
2100	0.009		
2160	0.007		
2220	0.006		
2280	0.008		
2340	0.007		
2400	0.009		
2460	0.010		
2520	0.009		
2580	0.008		
2640	0.005		
2700	0.006		
2760	0.004		
2820	0.008		
2880	0.004		
2940	0.005		
3000	0.005		
3060	0.008		
3120	0.006		
3180	0.009		
3240	0.008		
3300	0.005		

3360	0.009		
3420	0.007		
3480	0.010		
3540	0.004		
3600	0.004		
3660	0.005		
3720	0.004		
3780	0.006		
3840	0.008		
3900	0.005		
3960	0.009		
4020	0.004		
4080	0.004		
4140	0.004		
4200	0.004		
4260	0.004		
4320	0.004		
4380	0.004		
4440	0.004		
4500	0.003		
4560	0.004		
4620	0.005		
4680	0.005		
4740	0.004		
4800	0.003		
4860	0.003		
4920	0.006		
4980	0.004		
5040	0.004		
5100	0.004		
5160	0.004		
5220	0.005		
5280	0.009		
5340	0.016		
5400	0.015		
5460	0.005		
5520	0.006		
5580	0.008		
5640	0.005		
5700	0.007		
5760	0.005		
5820	0.005		
5880	0.005		
5940	0.004		

6000	0.005		
6060	0.008		
6120	0.003		
6180	0.003		
6240	0.002		
6300	0.003		
6360	0.003		
6420	0.004		
6480	0.003		
6540	0.004		
6600	0.003		
6660	0.003		
6720	0.003		
6780	0.006		
6840	0.006		
6900	0.014		
6960	0.010		
7020	0.005		
7080	0.007		
7140	0.011		
7200	0.011		
7260	0.010		
7320	0.004		
7380	0.005		
7440	0.004		
7500	0.007		
7560	0.008		
7620	0.007		
7680	0.008		
7740	0.005		
7800	0.010		
7860	0.009		
7920	0.003		
7980	0.006		
8040	0.003		
8100	0.003		
8160	0.003		
8220	0.002		
8280	0.004		
8340	0.004		
8400	0.004		
8460	0.006		
8520	0.005		
8580	0.006		

8640	0.005		
8700	0.012		
8760	0.008		
8820	0.004		
8880	0.003		
8940	0.005		
9000	0.003		
9060	0.003		
9120	0.005		
9180	0.004		
9240	0.003		
9300	0.003		
9360	0.002		
9420	0.002		
9480	0.002		
9540	0.002		
9600	0.002		
9660	0.002		
9720	0.002		
9780	0.003		
9840	0.007		
9900	0.004		
9960	0.003		
10020	0.002		
10080	0.004		
10140	0.007		
10200	0.002		
10260	0.002		
10320	0.001		
10380	0.001		
10440	0.003		
10500	0.003		
10560	0.003		
10620	0.003		
10680	0.002		
10740	0.003		
10800	0.004		
10860	0.003		
10920	0.002		
10980	0.004		
11040	0.003		
11100	0.003		
11160	0.002		
11220	0.003		

11280	0.003		
11340	0.002		
11400	0.001		
11460	0.005		
11520	0.003		
11580	0.002		
11640	0.002		
11700	0.002		
11760	0.001		
11820	0.001		
11880	0.001		
11940	0.002		
12000	0.001		
12060	0.001		
12120	0.002		
12180	0.002		
12240	0.001		
12300	0.003		
12360	0.002		
12420	0.002		
12480	0.001		
12540	0.001		
12600	0.001		
12660	0.003		
12720	0.002		
12780	0.003		
12840	0.002		
12900	0.000		
12960	0.000		
13020	0.000		
13080	0.000		
13140	0.000		
13200	0.000		
13260	0.000		
13320	0.000		
13380	0.000		
13440	0.001		
13500	0.002		
13560	0.000		
13620	0.000		
13680	0.000		
13740	0.000		
13800	0.000		
13860	0.000		

13920	0.000		
13980	0.000		
14040	0.000		
14100	0.000		
14160	0.000		
14220	0.000		
14280	0.000		
14340	0.000		
14400	0.000		
14460	0.000		
14520	0.000		
14580	0.000		
14640	0.000		
14700	0.000		
14760	0.000		
14820	0.000		
14880	0.000		
14940	0.000		
15000	0.000		
15060	0.000		
15120	0.000		
15180	0.000		
15240	0.000		
15300	0.000		
15360	0.000		
15420	0.000		
15480	0.000		
15540	0.000		
15600	0.000		
15660	0.000		
15720	0.000		
15780	0.000		
15840	0.000		
15900	0.000		
15960	0.000		
16020	0.000		
16080	0.000		
16140	0.000		
16200	0.000		
16260	0.000		
16320	0.000		
16380	0.001		
16440	0.000		
16500	0.000		

16560	0.000		
16620	0.000		
16680	0.000		
16740	0.000		
16800	0.000		
16860	0.000		
16920	0.000		
16980	0.000		
17040	0.000		
17100	0.003		
17160	0.004		
17220	0.000		
17280	0.000		
17340	0.000		
17400	0.001		
17460	0.000		
17520	0.000		
17580	0.012		
17640	0.000		
17700	0.006		
17760	0.008		
17820	0.010		
17880	0.000		
17940	0.005		
18000	0.001		
18060	0.000		
18120	0.000		
18180	0.001		
18240	0.000		
18300	0.008		
18360	0.012		
18420	0.000		
18480	0.004		
18540	0.000		
18600	0.000		
18660	0.004		
18720	0.006		
18780	0.012		
18840	0.000		
18900	0.010		
18960	0.013		
19020	0.000		
19080	0.043	1	
19140	0.001	1	

19200	0.014	1	
19260	0.045	1	
19320	0.003	1	
19380	0.000	1	
19440	0.000	1	
19500	0.001	1	
19560	0.007	1	
19620	0.000	1	
19680	0.012	1	
19740	0.009	1	
19800	0.000	1	
19860	0.000	1	
19920	0.000	1	
19980	0.000	1	
20040	0.017	1	
20100	0.001	1	
20160	0.041	1	
20220	0.000	1	
20280	0.000	1	
20340	0.029	1	
20400	0.000	1	
20460	0.000	1	
20520	0.004	1	
20580	0.000	1	
20640	0.085	1	
20700	0.002	1	
20760	0.007	1	
20820	0.017	1	
20880	0.000	1	
20940	0.000	1	
21000	0.000	1	
21060	0.000	1	
21120	0.000	1	
21180	0.001	1	
21240	0.000	1	
21300	0.045	1	
21360	0.028	1	
21420	0.000	1	
21480	0.000	1	
21540	0.000	1	
21600	0.001	1	
21660	0.000	1	
21720	0.000	1	
21780	0.000	1	

21840	0.000	1	
21900	0.003	1	
21960	0.001	1	
22020	0.000	1	
22080	0.000	1	
22140	0.000	1	
22200	0.000	1	
22260	0.000	1	
22320	0.000	1	
22380	0.000	1	
22440	0.000	1	
22500	0.000	1	
22560	0.000	1	
22620	0.000	1	
22680	0.000	1	
22740	0.001	1	
22800	0.001	1	
22860	0.003	1	
22920	0.000	1	
22980	0.000	1	
23040	0.000	1	
23100	0.000	1	
23160	0.000	1	
23220	0.000	1	
23280	0.000	1	
23340	0.000	1	
23400	0.000	1	
23460	0.000	1	
23520	0.001	1	
23580	0.000	1	
23640	0.000	1	
23700	0.000	1	
23760	0.000	1	
23820	0.000	1	
23880	0.000	1	
23940	0.000	1	
24000	0.000	1	
24060	0.007	1	
24120	0.003	1	
24180	0.000	1	
24240	0.001	1	
24300	0.004	1	
24360	0.008	1	
24420	0.000	1	

24480	0.000	1	
24540	0.001	1	
24600	0.000	1	
24660	0.000	1	
24720	0.000	1	
24780	0.000	1	
24840	0.000	1	
24900	0.001	1	
24960	0.007	1	
25020	0.003	1	
25080	0.005	1	
25140	0.000	1	
25200	0.003	1	
25260	0.001	1	
25320	0.001	1	
25380	0.000	1	
25440	0.000	1	
25500	0.000	1	
25560	0.000	1	
25620	0.000	1	
25680	0.000	1	
25740	0.000	1	
25800	0.016	1	
25860	0.010	1	
25920	0.028	1	
25980	0.032	1	
26040	0.001	1	
26100	0.009	1	
26160	0.001	1	
26220	0.013	1	
26280	0.001	1	
26340	0.001	1	
26400	0.000	1	
26460	0.001	1	
26520	0.006	1	
26580	0.013	1	

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.037
120	0.001
180	0.018
240	0.040
300	0.002

360	0.000
420	0.000
480	0.001
540	0.007
600	0.000
660	0.017
720	0.004
780	0.000
840	0.000
900	0.000

STEL Data

Elapsed Time [s]	**Mass [mg/m3]**
60	0.056
120	0.000
180	0.000
240	0.000
300	0.001
360	0.000
420	0.000
480	0.000
540	0.000
600	0.003
660	0.000
720	0.001
780	0.000
840	0.000
900	0.000

Former Reliable Truss (246 River Road) Daily Construction/Excavation Monitoring Summary

Date: 5/7/2010

Weather: Sunny, 60s-70s, NW-> SE wind

Activity: Excavation of 2A and 3A

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	85202130	1222	0.011	0.003	1.260	Started at ~0715
ON SITE	85202244	1223	0.015	0.004	2.760	Started at ~0725, moved at 0930
DOWN WIND	85300952502	1226	0.004	0.000	0.077	Started at ~0730, moved at 0935
UPWIND						Units stopped at about 1530
ON SITE						Units stopped at about 1530
DOWN WIND						Units stopped at about 1530
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						

NOTES

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TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	1
Test Abbreviation:	
Start Date:	5/7/2010
Start Time:	7:16:55
Duration (dd:hh:mm:ss):	0:08:16:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	496
Notes:	Upwind

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.013
Minimum:	0.003
Time of Minimum:	8:16:55
Date of Minimum:	5/7/2010
Maximum:	0.361
Time of Maximum:	8:03:55
Date of Maximum:	5/7/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/7/2010	7:17:55	0.005
5/7/2010	7:18:55	0.005
5/7/2010	7:19:55	0.005
5/7/2010	7:20:55	0.006
5/7/2010	7:21:55	0.005
5/7/2010	7:22:55	0.006
5/7/2010	7:23:55	0.004
5/7/2010	7:24:55	0.004
5/7/2010	7:25:55	0.006
5/7/2010	7:26:55	0.011
5/7/2010	7:27:55	0.006
5/7/2010	7:28:55	0.004
5/7/2010	7:29:55	0.005

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5/7/2010	7:30:55	0.004
5/7/2010	7:31:55	0.022
5/7/2010	7:32:55	0.004
5/7/2010	7:33:55	0.006
5/7/2010	7:34:55	0.005
5/7/2010	7:35:55	0.005
5/7/2010	7:36:55	0.007
5/7/2010	7:37:55	0.004
5/7/2010	7:38:55	0.008
5/7/2010	7:39:55	0.004
5/7/2010	7:40:55	0.005
5/7/2010	7:41:55	0.005
5/7/2010	7:42:55	0.012
5/7/2010	7:43:55	0.004
5/7/2010	7:44:55	0.004
5/7/2010	7:45:55	0.006
5/7/2010	7:46:55	0.006
5/7/2010	7:47:55	0.014
5/7/2010	7:48:55	0.006
5/7/2010	7:49:55	0.005
5/7/2010	7:50:55	0.005
5/7/2010	7:51:55	0.004
5/7/2010	7:52:55	0.005
5/7/2010	7:53:55	0.009
5/7/2010	7:54:55	0.004
5/7/2010	7:55:55	0.009
5/7/2010	7:56:55	0.005
5/7/2010	7:57:55	0.007
5/7/2010	7:58:55	0.019
5/7/2010	7:59:55	0.004
5/7/2010	8:00:55	0.004
5/7/2010	8:01:55	0.004
5/7/2010	8:02:55	0.004
5/7/2010	8:03:55	0.361
5/7/2010	8:04:55	0.009
5/7/2010	8:05:55	0.004
5/7/2010	8:06:55	0.004
5/7/2010	8:07:55	0.005
5/7/2010	8:08:55	0.012
5/7/2010	8:09:55	0.013
5/7/2010	8:10:55	0.005
5/7/2010	8:11:55	0.004
5/7/2010	8:12:55	0.086
5/7/2010	8:13:55	0.005

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5/7/2010	8:14:55	0.004
5/7/2010	8:15:55	0.006
5/7/2010	8:16:55	0.003
5/7/2010	8:17:55	0.009
5/7/2010	8:18:55	0.004
5/7/2010	8:19:55	0.007
5/7/2010	8:20:55	0.035
5/7/2010	8:21:55	0.005
5/7/2010	8:22:55	0.006
5/7/2010	8:23:55	0.008
5/7/2010	8:24:55	0.006
5/7/2010	8:25:55	0.006
5/7/2010	8:26:55	0.005
5/7/2010	8:27:55	0.005
5/7/2010	8:28:55	0.004
5/7/2010	8:29:55	0.005
5/7/2010	8:30:55	0.004
5/7/2010	8:31:55	0.004
5/7/2010	8:32:55	0.006
5/7/2010	8:33:55	0.006
5/7/2010	8:34:55	0.004
5/7/2010	8:35:55	0.004
5/7/2010	8:36:55	0.005
5/7/2010	8:37:55	0.005
5/7/2010	8:38:55	0.006
5/7/2010	8:39:55	0.007
5/7/2010	8:40:55	0.004
5/7/2010	8:41:55	0.004
5/7/2010	8:42:55	0.005
5/7/2010	8:43:55	0.009
5/7/2010	8:44:55	0.005
5/7/2010	8:45:55	0.005
5/7/2010	8:46:55	0.004
5/7/2010	8:47:55	0.022
5/7/2010	8:48:55	0.005
5/7/2010	8:49:55	0.006
5/7/2010	8:50:55	0.006
5/7/2010	8:51:55	0.008
5/7/2010	8:52:55	0.008
5/7/2010	8:53:55	0.023
5/7/2010	8:54:55	0.005
5/7/2010	8:55:55	0.004
5/7/2010	8:56:55	0.006
5/7/2010	8:57:55	0.010

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5/7/2010	8:58:55	0.007
5/7/2010	8:59:55	0.005
5/7/2010	9:00:55	0.006
5/7/2010	9:01:55	0.006
5/7/2010	9:02:55	0.008
5/7/2010	9:03:55	0.006
5/7/2010	9:04:55	0.008
5/7/2010	9:05:55	0.006
5/7/2010	9:06:55	0.004
5/7/2010	9:07:55	0.005
5/7/2010	9:08:55	0.005
5/7/2010	9:09:55	0.009
5/7/2010	9:10:55	0.008
5/7/2010	9:11:55	0.008
5/7/2010	9:12:55	0.016
5/7/2010	9:13:55	0.006
5/7/2010	9:14:55	0.005
5/7/2010	9:15:55	0.004
5/7/2010	9:16:55	0.004
5/7/2010	9:17:55	0.005
5/7/2010	9:18:55	0.004
5/7/2010	9:19:55	0.005
5/7/2010	9:20:55	0.008
5/7/2010	9:21:55	0.005
5/7/2010	9:22:55	0.005
5/7/2010	9:23:55	0.005
5/7/2010	9:24:55	0.007
5/7/2010	9:25:55	0.006
5/7/2010	9:26:55	0.005
5/7/2010	9:27:55	0.006
5/7/2010	9:28:55	0.005
5/7/2010	9:29:55	0.006
5/7/2010	9:30:55	0.009
5/7/2010	9:31:55	0.020
5/7/2010	9:32:55	0.006
5/7/2010	9:33:55	0.005
5/7/2010	9:34:55	0.005
5/7/2010	9:35:55	0.008
5/7/2010	9:36:55	0.005
5/7/2010	9:37:55	0.005
5/7/2010	9:38:55	0.007
5/7/2010	9:39:55	0.008
5/7/2010	9:40:55	0.005
5/7/2010	9:41:55	0.004

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5/7/2010	9:42:55	0.006
5/7/2010	9:43:55	0.008
5/7/2010	9:44:55	0.031
5/7/2010	9:45:55	0.007
5/7/2010	9:46:55	0.010
5/7/2010	9:47:55	0.010
5/7/2010	9:48:55	0.009
5/7/2010	9:49:55	0.008
5/7/2010	9:50:55	0.006
5/7/2010	9:51:55	0.007
5/7/2010	9:52:55	0.005
5/7/2010	9:53:55	0.005
5/7/2010	9:54:55	0.006
5/7/2010	9:55:55	0.005
5/7/2010	9:56:55	0.005
5/7/2010	9:57:55	0.006
5/7/2010	9:58:55	0.007
5/7/2010	9:59:55	0.006
5/7/2010	10:00:55	0.011
5/7/2010	10:01:55	0.010
5/7/2010	10:02:55	0.008
5/7/2010	10:03:55	0.006
5/7/2010	10:04:55	0.007
5/7/2010	10:05:55	0.017
5/7/2010	10:06:55	0.010
5/7/2010	10:07:55	0.023
5/7/2010	10:08:55	0.008
5/7/2010	10:09:55	0.008
5/7/2010	10:10:55	0.006
5/7/2010	10:11:55	0.009
5/7/2010	10:12:55	0.019
5/7/2010	10:13:55	0.006
5/7/2010	10:14:55	0.008
5/7/2010	10:15:55	0.008
5/7/2010	10:16:55	0.020
5/7/2010	10:17:55	0.026
5/7/2010	10:18:55	0.006
5/7/2010	10:19:55	0.008
5/7/2010	10:20:55	0.007
5/7/2010	10:21:55	0.005
5/7/2010	10:22:55	0.009
5/7/2010	10:23:55	0.005
5/7/2010	10:24:55	0.005
5/7/2010	10:25:55	0.006

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5/7/2010	10:26:55	0.006
5/7/2010	10:27:55	0.011
5/7/2010	10:28:55	0.006
5/7/2010	10:29:55	0.007
5/7/2010	10:30:55	0.012
5/7/2010	10:31:55	0.005
5/7/2010	10:32:55	0.184
5/7/2010	10:33:55	0.008
5/7/2010	10:34:55	0.009
5/7/2010	10:35:55	0.012
5/7/2010	10:36:55	0.006
5/7/2010	10:37:55	0.025
5/7/2010	10:38:55	0.011
5/7/2010	10:39:55	0.006
5/7/2010	10:40:55	0.015
5/7/2010	10:41:55	0.006
5/7/2010	10:42:55	0.006
5/7/2010	10:43:55	0.006
5/7/2010	10:44:55	0.006
5/7/2010	10:45:55	0.006
5/7/2010	10:46:55	0.006
5/7/2010	10:47:55	0.007
5/7/2010	10:48:55	0.007
5/7/2010	10:49:55	0.009
5/7/2010	10:50:55	0.007
5/7/2010	10:51:55	0.012
5/7/2010	10:52:55	0.008
5/7/2010	10:53:55	0.007
5/7/2010	10:54:55	0.007
5/7/2010	10:55:55	0.007
5/7/2010	10:56:55	0.007
5/7/2010	10:57:55	0.007
5/7/2010	10:58:55	0.008
5/7/2010	10:59:55	0.007
5/7/2010	11:00:55	0.007
5/7/2010	11:01:55	0.007
5/7/2010	11:02:55	0.007
5/7/2010	11:03:55	0.008
5/7/2010	11:04:55	0.008
5/7/2010	11:05:55	0.016
5/7/2010	11:06:55	0.007
5/7/2010	11:07:55	0.015
5/7/2010	11:08:55	0.008
5/7/2010	11:09:55	0.034

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5/7/2010	11:10:55	0.014
5/7/2010	11:11:55	0.017
5/7/2010	11:12:55	0.034
5/7/2010	11:13:55	0.008
5/7/2010	11:14:55	0.009
5/7/2010	11:15:55	0.011
5/7/2010	11:16:55	0.009
5/7/2010	11:17:55	0.018
5/7/2010	11:18:55	0.010
5/7/2010	11:19:55	0.008
5/7/2010	11:20:55	0.008
5/7/2010	11:21:55	0.008
5/7/2010	11:22:55	0.009
5/7/2010	11:23:55	0.008
5/7/2010	11:24:55	0.013
5/7/2010	11:25:55	0.013
5/7/2010	11:26:55	0.040
5/7/2010	11:27:55	0.084
5/7/2010	11:28:55	0.009
5/7/2010	11:29:55	0.007
5/7/2010	11:30:55	0.009
5/7/2010	11:31:55	0.012
5/7/2010	11:32:55	0.008
5/7/2010	11:33:55	0.007
5/7/2010	11:34:55	0.042
5/7/2010	11:35:55	0.009
5/7/2010	11:36:55	0.020
5/7/2010	11:37:55	0.008
5/7/2010	11:38:55	0.028
5/7/2010	11:39:55	0.007
5/7/2010	11:40:55	0.007
5/7/2010	11:41:55	0.024
5/7/2010	11:42:55	0.008
5/7/2010	11:43:55	0.008
5/7/2010	11:44:55	0.008
5/7/2010	11:45:55	0.008
5/7/2010	11:46:55	0.008
5/7/2010	11:47:55	0.008
5/7/2010	11:48:55	0.010
5/7/2010	11:49:55	0.090
5/7/2010	11:50:55	0.012
5/7/2010	11:51:55	0.008
5/7/2010	11:52:55	0.032
5/7/2010	11:53:55	0.008

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5/7/2010	11:54:55	0.011
5/7/2010	11:55:55	0.007
5/7/2010	11:56:55	0.008
5/7/2010	11:57:55	0.008
5/7/2010	11:58:55	0.009
5/7/2010	11:59:55	0.007
5/7/2010	12:00:55	0.009
5/7/2010	12:01:55	0.007
5/7/2010	12:02:55	0.007
5/7/2010	12:03:55	0.017
5/7/2010	12:04:55	0.016
5/7/2010	12:05:55	0.008
5/7/2010	12:06:55	0.008
5/7/2010	12:07:55	0.038
5/7/2010	12:08:55	0.011
5/7/2010	12:09:55	0.016
5/7/2010	12:10:55	0.012
5/7/2010	12:11:55	0.014
5/7/2010	12:12:55	0.009
5/7/2010	12:13:55	0.012
5/7/2010	12:14:55	0.008
5/7/2010	12:15:55	0.008
5/7/2010	12:16:55	0.014
5/7/2010	12:17:55	0.008
5/7/2010	12:18:55	0.009
5/7/2010	12:19:55	0.010
5/7/2010	12:20:55	0.015
5/7/2010	12:21:55	0.008
5/7/2010	12:22:55	0.013
5/7/2010	12:23:55	0.017
5/7/2010	12:24:55	0.020
5/7/2010	12:25:55	0.028
5/7/2010	12:26:55	0.022
5/7/2010	12:27:55	0.009
5/7/2010	12:28:55	0.011
5/7/2010	12:29:55	0.007
5/7/2010	12:30:55	0.009
5/7/2010	12:31:55	0.007
5/7/2010	12:32:55	0.007
5/7/2010	12:33:55	0.008
5/7/2010	12:34:55	0.010
5/7/2010	12:35:55	0.008
5/7/2010	12:36:55	0.007
5/7/2010	12:37:55	0.008

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5/7/2010	12:38:55	0.023
5/7/2010	12:39:55	0.012
5/7/2010	12:40:55	0.007
5/7/2010	12:41:55	0.014
5/7/2010	12:42:55	0.012
5/7/2010	12:43:55	0.008
5/7/2010	12:44:55	0.009
5/7/2010	12:45:55	0.008
5/7/2010	12:46:55	0.036
5/7/2010	12:47:55	0.066
5/7/2010	12:48:55	0.016
5/7/2010	12:49:55	0.009
5/7/2010	12:50:55	0.009
5/7/2010	12:51:55	0.008
5/7/2010	12:52:55	0.008
5/7/2010	12:53:55	0.010
5/7/2010	12:54:55	0.014
5/7/2010	12:55:55	0.008
5/7/2010	12:56:55	0.018
5/7/2010	12:57:55	0.008
5/7/2010	12:58:55	0.010
5/7/2010	12:59:55	0.008
5/7/2010	13:00:55	0.008
5/7/2010	13:01:55	0.008
5/7/2010	13:02:55	0.007
5/7/2010	13:03:55	0.035
5/7/2010	13:04:55	0.008
5/7/2010	13:05:55	0.041
5/7/2010	13:06:55	0.022
5/7/2010	13:07:55	0.010
5/7/2010	13:08:55	0.020
5/7/2010	13:09:55	0.018
5/7/2010	13:10:55	0.017
5/7/2010	13:11:55	0.009
5/7/2010	13:12:55	0.014
5/7/2010	13:13:55	0.032
5/7/2010	13:14:55	0.012
5/7/2010	13:15:55	0.011
5/7/2010	13:16:55	0.012
5/7/2010	13:17:55	0.014
5/7/2010	13:18:55	0.013
5/7/2010	13:19:55	0.008
5/7/2010	13:20:55	0.007
5/7/2010	13:21:55	0.010

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5/7/2010	13:22:55	0.009
5/7/2010	13:23:55	0.013
5/7/2010	13:24:55	0.008
5/7/2010	13:25:55	0.015
5/7/2010	13:26:55	0.015
5/7/2010	13:27:55	0.015
5/7/2010	13:28:55	0.008
5/7/2010	13:29:55	0.008
5/7/2010	13:30:55	0.008
5/7/2010	13:31:55	0.012
5/7/2010	13:32:55	0.017
5/7/2010	13:33:55	0.012
5/7/2010	13:34:55	0.008
5/7/2010	13:35:55	0.011
5/7/2010	13:36:55	0.011
5/7/2010	13:37:55	0.009
5/7/2010	13:38:55	0.012
5/7/2010	13:39:55	0.010
5/7/2010	13:40:55	0.008
5/7/2010	13:41:55	0.013
5/7/2010	13:42:55	0.009
5/7/2010	13:43:55	0.011
5/7/2010	13:44:55	0.011
5/7/2010	13:45:55	0.008
5/7/2010	13:46:55	0.015
5/7/2010	13:47:55	0.012
5/7/2010	13:48:55	0.008
5/7/2010	13:49:55	0.029
5/7/2010	13:50:55	0.015
5/7/2010	13:51:55	0.013
5/7/2010	13:52:55	0.014
5/7/2010	13:53:55	0.021
5/7/2010	13:54:55	0.008
5/7/2010	13:55:55	0.009
5/7/2010	13:56:55	0.011
5/7/2010	13:57:55	0.008
5/7/2010	13:58:55	0.010
5/7/2010	13:59:55	0.013
5/7/2010	14:00:55	0.014
5/7/2010	14:01:55	0.013
5/7/2010	14:02:55	0.018
5/7/2010	14:03:55	0.015
5/7/2010	14:04:55	0.010
5/7/2010	14:05:55	0.009

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5/7/2010	14:06:55	0.008
5/7/2010	14:07:55	0.008
5/7/2010	14:08:55	0.013
5/7/2010	14:09:55	0.009
5/7/2010	14:10:55	0.009
5/7/2010	14:11:55	0.010
5/7/2010	14:12:55	0.008
5/7/2010	14:13:55	0.017
5/7/2010	14:14:55	0.011
5/7/2010	14:15:55	0.028
5/7/2010	14:16:55	0.016
5/7/2010	14:17:55	0.008
5/7/2010	14:18:55	0.012
5/7/2010	14:19:55	0.009
5/7/2010	14:20:55	0.010
5/7/2010	14:21:55	0.008
5/7/2010	14:22:55	0.012
5/7/2010	14:23:55	0.033
5/7/2010	14:24:55	0.008
5/7/2010	14:25:55	0.008
5/7/2010	14:26:55	0.012
5/7/2010	14:27:55	0.009
5/7/2010	14:28:55	0.008
5/7/2010	14:29:55	0.008
5/7/2010	14:30:55	0.015
5/7/2010	14:31:55	0.026
5/7/2010	14:32:55	0.014
5/7/2010	14:33:55	0.012
5/7/2010	14:34:55	0.009
5/7/2010	14:35:55	0.015
5/7/2010	14:36:55	0.017
5/7/2010	14:37:55	0.014
5/7/2010	14:38:55	0.023
5/7/2010	14:39:55	0.027
5/7/2010	14:40:55	0.021
5/7/2010	14:41:55	0.011
5/7/2010	14:42:55	0.008
5/7/2010	14:43:55	0.009
5/7/2010	14:44:55	0.011
5/7/2010	14:45:55	0.022
5/7/2010	14:46:55	0.009
5/7/2010	14:47:55	0.011
5/7/2010	14:48:55	0.008
5/7/2010	14:49:55	0.007

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

5/7/2010	14:50:55	0.009
5/7/2010	14:51:55	0.015
5/7/2010	14:52:55	0.037
5/7/2010	14:53:55	0.009
5/7/2010	14:54:55	0.027
5/7/2010	14:55:55	0.008
5/7/2010	14:56:55	0.018
5/7/2010	14:57:55	0.008
5/7/2010	14:58:55	0.012
5/7/2010	14:59:55	0.010
5/7/2010	15:00:55	0.010
5/7/2010	15:01:55	0.008
5/7/2010	15:02:55	0.010
5/7/2010	15:03:55	0.010
5/7/2010	15:04:55	0.024
5/7/2010	15:05:55	0.011
5/7/2010	15:06:55	0.013
5/7/2010	15:07:55	0.016
5/7/2010	15:08:55	0.024
5/7/2010	15:09:55	0.090
5/7/2010	15:10:55	0.015
5/7/2010	15:11:55	0.009
5/7/2010	15:12:55	0.009
5/7/2010	15:13:55	0.008
5/7/2010	15:14:55	0.037
5/7/2010	15:15:55	0.018
5/7/2010	15:16:55	0.013
5/7/2010	15:17:55	0.028
5/7/2010	15:18:55	0.012
5/7/2010	15:19:55	0.036
5/7/2010	15:20:55	0.099
5/7/2010	15:21:55	0.041
5/7/2010	15:22:55	0.012
5/7/2010	15:23:55	0.010
5/7/2010	15:24:55	0.025
5/7/2010	15:25:55	0.017
5/7/2010	15:26:55	0.009
5/7/2010	15:27:55	0.041
5/7/2010	15:28:55	0.009
5/7/2010	15:29:55	0.015
5/7/2010	15:30:55	0.013
5/7/2010	15:31:55	0.016
5/7/2010	15:32:55	0.012

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	1
Test Abbreviation:	
Start Date:	5/7/2010
Start Time:	7:27:37
Duration (dd:hh:mm:ss):	0:02:01:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	121
Notes:	Worksite/Nearest Property

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.01
Minimum:	0.003
Time of Minimum:	8:10:37
Date of Minimum:	5/7/2010
Maximum:	0.047
Time of Maximum:	9:28:37
Date of Maximum:	5/7/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/7/2010	7:28:37	0.046
5/7/2010	7:29:37	0.011
5/7/2010	7:30:37	0.005
5/7/2010	7:31:37	0.014
5/7/2010	7:32:37	0.006
5/7/2010	7:33:37	0.007
5/7/2010	7:34:37	0.009
5/7/2010	7:35:37	0.011
5/7/2010	7:36:37	0.019
5/7/2010	7:37:37	0.010
5/7/2010	7:38:37	0.005
5/7/2010	7:39:37	0.011
5/7/2010	7:40:37	0.006

5/7/2010	7:41:37	0.004
5/7/2010	7:42:37	0.005
5/7/2010	7:43:37	0.013
5/7/2010	7:44:37	0.015
5/7/2010	7:45:37	0.010
5/7/2010	7:46:37	0.010
5/7/2010	7:47:37	0.004
5/7/2010	7:48:37	0.004
5/7/2010	7:49:37	0.005
5/7/2010	7:50:37	0.010
5/7/2010	7:51:37	0.021
5/7/2010	7:52:37	0.010
5/7/2010	7:53:37	0.017
5/7/2010	7:54:37	0.046
5/7/2010	7:55:37	0.029
5/7/2010	7:56:37	0.026
5/7/2010	7:57:37	0.006
5/7/2010	7:58:37	0.011
5/7/2010	7:59:37	0.018
5/7/2010	8:00:37	0.008
5/7/2010	8:01:37	0.006
5/7/2010	8:02:37	0.014
5/7/2010	8:03:37	0.008
5/7/2010	8:04:37	0.007
5/7/2010	8:05:37	0.008
5/7/2010	8:06:37	0.007
5/7/2010	8:07:37	0.015
5/7/2010	8:08:37	0.006
5/7/2010	8:09:37	0.009
5/7/2010	8:10:37	0.003
5/7/2010	8:11:37	0.005
5/7/2010	8:12:37	0.005
5/7/2010	8:13:37	0.005
5/7/2010	8:14:37	0.011
5/7/2010	8:15:37	0.036
5/7/2010	8:16:37	0.014
5/7/2010	8:17:37	0.009
5/7/2010	8:18:37	0.024
5/7/2010	8:19:37	0.012
5/7/2010	8:20:37	0.009
5/7/2010	8:21:37	0.008
5/7/2010	8:22:37	0.009
5/7/2010	8:23:37	0.013
5/7/2010	8:24:37	0.022

5/7/2010	8:25:37	0.011
5/7/2010	8:26:37	0.011
5/7/2010	8:27:37	0.007
5/7/2010	8:28:37	0.022
5/7/2010	8:29:37	0.032
5/7/2010	8:30:37	0.006
5/7/2010	8:31:37	0.007
5/7/2010	8:32:37	0.007
5/7/2010	8:33:37	0.009
5/7/2010	8:34:37	0.008
5/7/2010	8:35:37	0.008
5/7/2010	8:36:37	0.007
5/7/2010	8:37:37	0.005
5/7/2010	8:38:37	0.005
5/7/2010	8:39:37	0.009
5/7/2010	8:40:37	0.005
5/7/2010	8:41:37	0.005
5/7/2010	8:42:37	0.006
5/7/2010	8:43:37	0.006
5/7/2010	8:44:37	0.004
5/7/2010	8:45:37	0.012
5/7/2010	8:46:37	0.011
5/7/2010	8:47:37	0.018
5/7/2010	8:48:37	0.008
5/7/2010	8:49:37	0.007
5/7/2010	8:50:37	0.012
5/7/2010	8:51:37	0.008
5/7/2010	8:52:37	0.019
5/7/2010	8:53:37	0.012
5/7/2010	8:54:37	0.005
5/7/2010	8:55:37	0.008
5/7/2010	8:56:37	0.019
5/7/2010	8:57:37	0.006
5/7/2010	8:58:37	0.007
5/7/2010	8:59:37	0.006
5/7/2010	9:00:37	0.008
5/7/2010	9:01:37	0.005
5/7/2010	9:02:37	0.012
5/7/2010	9:03:37	0.005
5/7/2010	9:04:37	0.005
5/7/2010	9:05:37	0.023
5/7/2010	9:06:37	0.006
5/7/2010	9:07:37	0.005
5/7/2010	9:08:37	0.005

5/7/2010	9:09:37	0.005
5/7/2010	9:10:37	0.005
5/7/2010	9:11:37	0.006
5/7/2010	9:12:37	0.007
5/7/2010	9:13:37	0.006
5/7/2010	9:14:37	0.005
5/7/2010	9:15:37	0.005
5/7/2010	9:16:37	0.005
5/7/2010	9:17:37	0.007
5/7/2010	9:18:37	0.005
5/7/2010	9:19:37	0.005
5/7/2010	9:20:37	0.005
5/7/2010	9:21:37	0.007
5/7/2010	9:22:37	0.005
5/7/2010	9:23:37	0.005
5/7/2010	9:24:37	0.005
5/7/2010	9:25:37	0.007
5/7/2010	9:26:37	0.006
5/7/2010	9:27:37	0.010
5/7/2010	9:28:37	0.047

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	2
Test Abbreviation:	
Start Date:	5/7/2010
Start Time:	9:30:48
Duration (dd:hh:mm:ss):	0:05:52:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	352
Notes:	Worksite/Nearest Property. New location due to wind shift.

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.013
Minimum:	0.005
Time of Minimum:	11:35:48
Date of Minimum:	5/7/2010
Maximum:	0.809
Time of Maximum:	11:51:48
Date of Maximum:	5/7/2010

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

Calibration

Sensor: Aerosol
Cal. date 10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/7/2010	9:31:48	0.006
5/7/2010	9:32:48	0.014
5/7/2010	9:33:48	0.014
5/7/2010	9:34:48	0.006
5/7/2010	9:35:48	0.006
5/7/2010	9:36:48	0.006
5/7/2010	9:37:48	0.009
5/7/2010	9:38:48	0.009
5/7/2010	9:39:48	0.006
5/7/2010	9:40:48	0.008
5/7/2010	9:41:48	0.006
5/7/2010	9:42:48	0.007
5/7/2010	9:43:48	0.006
5/7/2010	9:44:48	0.007
5/7/2010	9:45:48	0.007
5/7/2010	9:46:48	0.007
5/7/2010	9:47:48	0.010
5/7/2010	9:48:48	0.009
5/7/2010	9:49:48	0.007
5/7/2010	9:50:48	0.007
5/7/2010	9:51:48	0.008
5/7/2010	9:52:48	0.009
5/7/2010	9:53:48	0.011
5/7/2010	9:54:48	0.012
5/7/2010	9:55:48	0.007
5/7/2010	9:56:48	0.008
5/7/2010	9:57:48	0.007
5/7/2010	9:58:48	0.008
5/7/2010	9:59:48	0.008
5/7/2010	10:00:48	0.013
5/7/2010	10:01:48	0.007
5/7/2010	10:02:48	0.012
5/7/2010	10:03:48	0.008
5/7/2010	10:04:48	0.012
5/7/2010	10:05:48	0.032
5/7/2010	10:06:48	0.016
5/7/2010	10:07:48	0.009

5/7/2010	10:08:48	0.009
5/7/2010	10:09:48	0.011
5/7/2010	10:10:48	0.009
5/7/2010	10:11:48	0.008
5/7/2010	10:12:48	0.007
5/7/2010	10:13:48	0.008
5/7/2010	10:14:48	0.008
5/7/2010	10:15:48	0.008
5/7/2010	10:16:48	0.009
5/7/2010	10:17:48	0.019
5/7/2010	10:18:48	0.050
5/7/2010	10:19:48	0.064
5/7/2010	10:20:48	0.008
5/7/2010	10:21:48	0.009
5/7/2010	10:22:48	0.008
5/7/2010	10:23:48	0.007
5/7/2010	10:24:48	0.008
5/7/2010	10:25:48	0.008
5/7/2010	10:26:48	0.007
5/7/2010	10:27:48	0.007
5/7/2010	10:28:48	0.008
5/7/2010	10:29:48	0.010
5/7/2010	10:30:48	0.008
5/7/2010	10:31:48	0.007
5/7/2010	10:32:48	0.010
5/7/2010	10:33:48	0.007
5/7/2010	10:34:48	0.028
5/7/2010	10:35:48	0.011
5/7/2010	10:36:48	0.008
5/7/2010	10:37:48	0.010
5/7/2010	10:38:48	0.007
5/7/2010	10:39:48	0.009
5/7/2010	10:40:48	0.007
5/7/2010	10:41:48	0.007
5/7/2010	10:42:48	0.014
5/7/2010	10:43:48	0.007
5/7/2010	10:44:48	0.008
5/7/2010	10:45:48	0.011
5/7/2010	10:46:48	0.007
5/7/2010	10:47:48	0.007
5/7/2010	10:48:48	0.006
5/7/2010	10:49:48	0.007
5/7/2010	10:50:48	0.009
5/7/2010	10:51:48	0.009

5/7/2010	10:52:48	0.008
5/7/2010	10:53:48	0.010
5/7/2010	10:54:48	0.007
5/7/2010	10:55:48	0.052
5/7/2010	10:56:48	0.055
5/7/2010	10:57:48	0.007
5/7/2010	10:58:48	0.006
5/7/2010	10:59:48	0.009
5/7/2010	11:00:48	0.008
5/7/2010	11:01:48	0.007
5/7/2010	11:02:48	0.007
5/7/2010	11:03:48	0.008
5/7/2010	11:04:48	0.006
5/7/2010	11:05:48	0.007
5/7/2010	11:06:48	0.007
5/7/2010	11:07:48	0.007
5/7/2010	11:08:48	0.007
5/7/2010	11:09:48	0.025
5/7/2010	11:10:48	0.012
5/7/2010	11:11:48	0.017
5/7/2010	11:12:48	0.008
5/7/2010	11:13:48	0.012
5/7/2010	11:14:48	0.008
5/7/2010	11:15:48	0.015
5/7/2010	11:16:48	0.013
5/7/2010	11:17:48	0.007
5/7/2010	11:18:48	0.006
5/7/2010	11:19:48	0.007
5/7/2010	11:20:48	0.019
5/7/2010	11:21:48	0.007
5/7/2010	11:22:48	0.009
5/7/2010	11:23:48	0.006
5/7/2010	11:24:48	0.006
5/7/2010	11:25:48	0.006
5/7/2010	11:26:48	0.006
5/7/2010	11:27:48	0.006
5/7/2010	11:28:48	0.014
5/7/2010	11:29:48	0.008
5/7/2010	11:30:48	0.011
5/7/2010	11:31:48	0.006
5/7/2010	11:32:48	0.006
5/7/2010	11:33:48	0.006
5/7/2010	11:34:48	0.006
5/7/2010	11:35:48	0.005

5/7/2010	11:36:48	0.014
5/7/2010	11:37:48	0.015
5/7/2010	11:38:48	0.006
5/7/2010	11:39:48	0.005
5/7/2010	11:40:48	0.006
5/7/2010	11:41:48	0.005
5/7/2010	11:42:48	0.005
5/7/2010	11:43:48	0.008
5/7/2010	11:44:48	0.005
5/7/2010	11:45:48	0.005
5/7/2010	11:46:48	0.007
5/7/2010	11:47:48	0.006
5/7/2010	11:48:48	0.011
5/7/2010	11:49:48	0.006
5/7/2010	11:50:48	0.007
5/7/2010	11:51:48	0.809
5/7/2010	11:52:48	0.012
5/7/2010	11:53:48	0.010
5/7/2010	11:54:48	0.011
5/7/2010	11:55:48	0.005
5/7/2010	11:56:48	0.006
5/7/2010	11:57:48	0.005
5/7/2010	11:58:48	0.007
5/7/2010	11:59:48	0.006
5/7/2010	12:00:48	0.005
5/7/2010	12:01:48	0.008
5/7/2010	12:02:48	0.005
5/7/2010	12:03:48	0.008
5/7/2010	12:04:48	0.008
5/7/2010	12:05:48	0.060
5/7/2010	12:06:48	0.008
5/7/2010	12:07:48	0.005
5/7/2010	12:08:48	0.007
5/7/2010	12:09:48	0.010
5/7/2010	12:10:48	0.006
5/7/2010	12:11:48	0.010
5/7/2010	12:12:48	0.011
5/7/2010	12:13:48	0.009
5/7/2010	12:14:48	0.012
5/7/2010	12:15:48	0.008
5/7/2010	12:16:48	0.007
5/7/2010	12:17:48	0.008
5/7/2010	12:18:48	0.008
5/7/2010	12:19:48	0.009

5/7/2010	12:20:48	0.007
5/7/2010	12:21:48	0.007
5/7/2010	12:22:48	0.009
5/7/2010	12:23:48	0.012
5/7/2010	12:24:48	0.007
5/7/2010	12:25:48	0.007
5/7/2010	12:26:48	0.007
5/7/2010	12:27:48	0.008
5/7/2010	12:28:48	0.006
5/7/2010	12:29:48	0.006
5/7/2010	12:30:48	0.011
5/7/2010	12:31:48	0.006
5/7/2010	12:32:48	0.006
5/7/2010	12:33:48	0.006
5/7/2010	12:34:48	0.007
5/7/2010	12:35:48	0.007
5/7/2010	12:36:48	0.008
5/7/2010	12:37:48	0.006
5/7/2010	12:38:48	0.008
5/7/2010	12:39:48	0.006
5/7/2010	12:40:48	0.012
5/7/2010	12:41:48	0.006
5/7/2010	12:42:48	0.006
5/7/2010	12:43:48	0.007
5/7/2010	12:44:48	0.008
5/7/2010	12:45:48	0.007
5/7/2010	12:46:48	0.008
5/7/2010	12:47:48	0.009
5/7/2010	12:48:48	0.007
5/7/2010	12:49:48	0.009
5/7/2010	12:50:48	0.006
5/7/2010	12:51:48	0.007
5/7/2010	12:52:48	0.007
5/7/2010	12:53:48	0.007
5/7/2010	12:54:48	0.007
5/7/2010	12:55:48	0.007
5/7/2010	12:56:48	0.008
5/7/2010	12:57:48	0.009
5/7/2010	12:58:48	0.010
5/7/2010	12:59:48	0.007
5/7/2010	13:00:48	0.008
5/7/2010	13:01:48	0.011
5/7/2010	13:02:48	0.007
5/7/2010	13:03:48	0.007

5/7/2010	13:04:48	0.007
5/7/2010	13:05:48	0.009
5/7/2010	13:06:48	0.010
5/7/2010	13:07:48	0.010
5/7/2010	13:08:48	0.012
5/7/2010	13:09:48	0.007
5/7/2010	13:10:48	0.008
5/7/2010	13:11:48	0.009
5/7/2010	13:12:48	0.100
5/7/2010	13:13:48	0.009
5/7/2010	13:14:48	0.013
5/7/2010	13:15:48	0.008
5/7/2010	13:16:48	0.010
5/7/2010	13:17:48	0.009
5/7/2010	13:18:48	0.041
5/7/2010	13:19:48	0.010
5/7/2010	13:20:48	0.012
5/7/2010	13:21:48	0.007
5/7/2010	13:22:48	0.007
5/7/2010	13:23:48	0.008
5/7/2010	13:24:48	0.008
5/7/2010	13:25:48	0.008
5/7/2010	13:26:48	0.018
5/7/2010	13:27:48	0.008
5/7/2010	13:28:48	0.009
5/7/2010	13:29:48	0.009
5/7/2010	13:30:48	0.008
5/7/2010	13:31:48	0.010
5/7/2010	13:32:48	0.009
5/7/2010	13:33:48	0.129
5/7/2010	13:34:48	0.055
5/7/2010	13:35:48	0.011
5/7/2010	13:36:48	0.011
5/7/2010	13:37:48	0.013
5/7/2010	13:38:48	0.011
5/7/2010	13:39:48	0.010
5/7/2010	13:40:48	0.010
5/7/2010	13:41:48	0.010
5/7/2010	13:42:48	0.008
5/7/2010	13:43:48	0.008
5/7/2010	13:44:48	0.008
5/7/2010	13:45:48	0.012
5/7/2010	13:46:48	0.008
5/7/2010	13:47:48	0.012

5/7/2010	13:48:48	0.009
5/7/2010	13:49:48	0.009
5/7/2010	13:50:48	0.009
5/7/2010	13:51:48	0.039
5/7/2010	13:52:48	0.009
5/7/2010	13:53:48	0.017
5/7/2010	13:54:48	0.012
5/7/2010	13:55:48	0.020
5/7/2010	13:56:48	0.010
5/7/2010	13:57:48	0.010
5/7/2010	13:58:48	0.008
5/7/2010	13:59:48	0.008
5/7/2010	14:00:48	0.009
5/7/2010	14:01:48	0.013
5/7/2010	14:02:48	0.009
5/7/2010	14:03:48	0.015
5/7/2010	14:04:48	0.016
5/7/2010	14:05:48	0.010
5/7/2010	14:06:48	0.010
5/7/2010	14:07:48	0.012
5/7/2010	14:08:48	0.012
5/7/2010	14:09:48	0.008
5/7/2010	14:10:48	0.009
5/7/2010	14:11:48	0.012
5/7/2010	14:12:48	0.009
5/7/2010	14:13:48	0.011
5/7/2010	14:14:48	0.011
5/7/2010	14:15:48	0.017
5/7/2010	14:16:48	0.009
5/7/2010	14:17:48	0.011
5/7/2010	14:18:48	0.008
5/7/2010	14:19:48	0.010
5/7/2010	14:20:48	0.008
5/7/2010	14:21:48	0.009
5/7/2010	14:22:48	0.014
5/7/2010	14:23:48	0.009
5/7/2010	14:24:48	0.017
5/7/2010	14:25:48	0.010
5/7/2010	14:26:48	0.008
5/7/2010	14:27:48	0.010
5/7/2010	14:28:48	0.014
5/7/2010	14:29:48	0.009
5/7/2010	14:30:48	0.009
5/7/2010	14:31:48	0.008

5/7/2010	14:32:48	0.009
5/7/2010	14:33:48	0.010
5/7/2010	14:34:48	0.010
5/7/2010	14:35:48	0.011
5/7/2010	14:36:48	0.010
5/7/2010	14:37:48	0.010
5/7/2010	14:38:48	0.012
5/7/2010	14:39:48	0.012
5/7/2010	14:40:48	0.015
5/7/2010	14:41:48	0.011
5/7/2010	14:42:48	0.011
5/7/2010	14:43:48	0.009
5/7/2010	14:44:48	0.011
5/7/2010	14:45:48	0.010
5/7/2010	14:46:48	0.012
5/7/2010	14:47:48	0.008
5/7/2010	14:48:48	0.027
5/7/2010	14:49:48	0.011
5/7/2010	14:50:48	0.009
5/7/2010	14:51:48	0.010
5/7/2010	14:52:48	0.008
5/7/2010	14:53:48	0.009
5/7/2010	14:54:48	0.011
5/7/2010	14:55:48	0.018
5/7/2010	14:56:48	0.015
5/7/2010	14:57:48	0.009
5/7/2010	14:58:48	0.013
5/7/2010	14:59:48	0.016
5/7/2010	15:00:48	0.011
5/7/2010	15:01:48	0.013
5/7/2010	15:02:48	0.009
5/7/2010	15:03:48	0.008
5/7/2010	15:04:48	0.016
5/7/2010	15:05:48	0.009
5/7/2010	15:06:48	0.009
5/7/2010	15:07:48	0.008
5/7/2010	15:08:48	0.009
5/7/2010	15:09:48	0.010
5/7/2010	15:10:48	0.012
5/7/2010	15:11:48	0.059
5/7/2010	15:12:48	0.011
5/7/2010	15:13:48	0.012
5/7/2010	15:14:48	0.010
5/7/2010	15:15:48	0.009

5/7/2010	15:16:48	0.019
5/7/2010	15:17:48	0.008
5/7/2010	15:18:48	0.021
5/7/2010	15:19:48	0.012
5/7/2010	15:20:48	0.018
5/7/2010	15:21:48	0.010
5/7/2010	15:22:48	0.031

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_003
Test Start Time	7:28:38 AM
Test Start Date	5/7/2010
Test Length [D:H:M]	0:02:02
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.002
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.039
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	1
Errors	
Number of Samples	122

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.004		
120	0.004		
180	0.004		
240	0.003		
300	0.003		
360	0.003		
420	0.006		
480	0.004		
540	0.003		
600	0.002		
660	0.003		
720	0.004		
780	0.005		
840	0.003		
900	0.004		
960	0.003		
1020	0.002		
1080	0.002		
1140	0.003		
1200	0.004		
1260	0.001		
1320	0.003		
1380	0.003		
1440	0.001		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

1500	0.002		
1560	0.002		
1620	0.002		
1680	0.002		
1740	0.001		
1800	0.001		
1860	0.000		
1920	0.001		
1980	0.006		
2040	0.001		
2100	0.001		
2160	0.001		
2220	0.000		
2280	0.000		
2340	0.001		
2400	0.001		
2460	0.001		
2520	0.002		
2580	0.000		
2640	0.001		
2700	0.000		
2760	0.003		
2820	0.002		
2880	0.001		
2940	0.001		
3000	0.001		
3060	0.000		
3120	0.001		
3180	0.001		
3240	0.005		
3300	0.001		
3360	0.001		
3420	0.000		
3480	0.001		
3540	0.000		
3600	0.000		
3660	0.000		
3720	0.000		
3780	0.000		
3840	0.001		
3900	0.010		
3960	0.004		
4020	0.002		
4080	0.001		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

4140	0.000		
4200	0.000		
4260	0.014		
4320	0.011		
4380	0.002		
4440	0.000		
4500	0.001		
4560	0.000		
4620	0.000		
4680	0.000		
4740	0.000		
4800	0.000		
4860	0.001		
4920	0.002		
4980	0.001		
5040	0.001		
5100	0.002		
5160	0.003		
5220	0.009		
5280	0.001		
5340	0.000		
5400	0.009		
5460	0.008		
5520	0.001		
5580	0.001		
5640	0.000		
5700	0.000		
5760	0.000		
5820	0.000		
5880	0.000		
5940	0.000		
6000	0.000		
6060	0.002		
6120	0.002		
6180	0.000		
6240	0.000		
6300	0.000		
6360	0.000		
6420	0.000		
6480	0.000		
6540	0.000		
6600	0.000		
6660	0.001		
6720	0.001		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

6780	0.001		
6840	0.003		
6900	0.000		
6960	0.000		
7020	0.001		
7080	0.000		
7140	0.000		
7200	0.000		
7260	0.001		
7320	0.039		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_004
Test Start Time	9:33:13 AM
Test Start Date	5/7/2010
Test Length [D:H:M]	0:03:19
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.005
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.077
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	1
Errors	
Number of Samples	199
Number of STELS	1
STEL Start Time	10:34:37 AM
STEL Start Date	5/7/2010
STEL Average [mg/m3]	0.003
STEL Minimum [mg/m3]	0
STEL Maximum [mg/m3]	0.655

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.008		
120	0.022		
180	0.002		
240	0.021		
300	0.006		
360	0.000		
420	0.005		
480	0.007		
540	0.014		
600	0.003		
660	0.001		
720	0.002		
780	0.001		
840	0.001		
900	0.000		
960	0.001		
1020	0.018		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

1080	0.012		
1140	0.001		
1200	0.000		
1260	0.001		
1320	0.001		
1380	0.003		
1440	0.001		
1500	0.000		
1560	0.000		
1620	0.000		
1680	0.001		
1740	0.006		
1800	0.000		
1860	0.000		
1920	0.002		
1980	0.005		
2040	0.000		
2100	0.000		
2160	0.000		
2220	0.000		
2280	0.000		
2340	0.000		
2400	0.003		
2460	0.012		
2520	0.028		
2580	0.001		
2640	0.001		
2700	0.001		
2760	0.022		
2820	0.011		
2880	0.006		
2940	0.029		
3000	0.001		
3060	0.000		
3120	0.001		
3180	0.000		
3240	0.001		
3300	0.000		
3360	0.013		
3420	0.011		
3480	0.012		
3540	0.003		
3600	0.005		
3660	0.003		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

3720	0.051	1	
3780	0.001	1	
3840	0.000	1	
3900	0.000	1	
3960	0.000	1	
4020	0.001	1	
4080	0.000	1	
4140	0.000	1	
4200	0.001	1	
4260	0.000	1	
4320	0.000	1	
4380	0.000	1	
4440	0.001	1	
4500	0.000	1	
4560	0.001	1	
4620	0.001	1	
4680	0.005	1	
4740	0.016	1	
4800	0.003	1	
4860	0.002	1	
4920	0.000	1	
4980	0.001	1	
5040	0.001	1	
5100	0.000	1	
5160	0.003	1	
5220	0.033	1	
5280	0.019	1	
5340	0.002	1	
5400	0.019	1	
5460	0.031	1	
5520	0.010	1	
5580	0.022	1	
5640	0.009	1	
5700	0.001	1	
5760	0.001	1	
5820	0.000	1	
5880	0.000	1	
5940	0.001	1	
6000	0.000	1	
6060	0.000	1	
6120	0.000	1	
6180	0.000	1	
6240	0.000	1	
6300	0.000	1	

6360	0.000	1	
6420	0.000	1	
6480	0.001	1	
6540	0.001	1	
6600	0.000	1	
6660	0.001	1	
6720	0.001	1	
6780	0.000	1	
6840	0.000	1	
6900	0.000	1	
6960	0.000	1	
7020	0.000	1	
7080	0.000	1	
7140	0.004	1	
7200	0.001	1	
7260	0.015	1	
7320	0.002	1	
7380	0.011	1	
7440	0.003	1	
7500	0.001	1	
7560	0.002	1	
7620	0.000	1	
7680	0.000	1	
7740	0.000	1	
7800	0.000	1	
7860	0.000	1	
7920	0.001	1	
7980	0.003	1	
8040	0.077	1	
8100	0.034	1	
8160	0.005	1	
8220	0.001	1	
8280	0.002	1	
8340	0.007	1	
8400	0.004	1	
8460	0.001	1	
8520	0.000	1	
8580	0.000	1	
8640	0.000	1	
8700	0.000	1	
8760	0.001	1	
8820	0.000	1	
8880	0.001	1	
8940	0.005	1	

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

9000	0.001	1	
9060	0.000	1	
9120	0.001	1	
9180	0.000	1	
9240	0.001	1	
9300	0.002	1	
9360	0.003	1	
9420	0.001	1	
9480	0.000	1	
9540	0.000	1	
9600	0.002	1	
9660	0.001	1	
9720	0.001	1	
9780	0.000	1	
9840	0.000	1	
9900	0.000	1	
9960	0.001	1	
10020	0.002	1	
10080	0.002	1	
10140	0.005	1	
10200	0.007	1	
10260	0.037	1	
10320	0.002	1	
10380	0.000	1	
10440	0.000	1	
10500	0.000	1	
10560	0.000	1	
10620	0.001	1	
10680	0.001	1	
10740	0.000	1	
10800	0.000	1	
10860	0.002	1	
10920	0.024	1	
10980	0.019	1	
11040	0.004	1	
11100	0.000	1	
11160	0.000	1	
11220	0.001	1	
11280	0.001	1	
11340	0.002	1	
11400	0.028	1	
11460	0.010	1	
11520	0.006	1	
11580	0.015	1	

11640	0.001	1	
11700	0.006	1	
11760	0.006	1	
11820	0.001	1	
11880	0.002	1	
11940	0.005	1	

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.047
120	0.000
180	0.000
240	0.000
300	0.000
360	0.001
420	0.000
480	0.001
540	0.000
600	0.000
660	0.000
720	0.000
780	0.001
840	0.000
900	0.001

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_005
Test Start Time	12:54:51 PM
Test Start Date	5/7/2010
Test Length [D:H:M]	0:02:15
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.055
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	1
Errors	
Number of Samples	135

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.000		
120	0.001		
180	0.001		
240	0.001		
300	0.014		
360	0.000		
420	0.000		
480	0.000		
540	0.000		
600	0.001		
660	0.001		
720	0.000		
780	0.000		
840	0.003		
900	0.018		
960	0.048		
1020	0.007		
1080	0.003		
1140	0.035		
1200	0.014		
1260	0.013		
1320	0.003		
1380	0.000		
1440	0.001		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

1500	0.000		
1560	0.000		
1620	0.001		
1680	0.000		
1740	0.001		
1800	0.002		
1860	0.002		
1920	0.001		
1980	0.001		
2040	0.002		
2100	0.011		
2160	0.011		
2220	0.004		
2280	0.002		
2340	0.002		
2400	0.009		
2460	0.004		
2520	0.009		
2580	0.001		
2640	0.001		
2700	0.001		
2760	0.001		
2820	0.002		
2880	0.006		
2940	0.005		
3000	0.000		
3060	0.006		
3120	0.002		
3180	0.006		
3240	0.001		
3300	0.008		
3360	0.028		
3420	0.009		
3480	0.011		
3540	0.013		
3600	0.007		
3660	0.011		
3720	0.029		
3780	0.028		
3840	0.006		
3900	0.001		
3960	0.003		
4020	0.013		
4080	0.001		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

4140	0.022		
4200	0.002		
4260	0.001		
4320	0.013		
4380	0.026		
4440	0.052		
4500	0.026		
4560	0.014		
4620	0.007		
4680	0.005		
4740	0.003		
4800	0.003		
4860	0.000		
4920	0.001		
4980	0.001		
5040	0.000		
5100	0.000		
5160	0.001		
5220	0.001		
5280	0.001		
5340	0.000		
5400	0.001		
5460	0.001		
5520	0.006		
5580	0.006		
5640	0.026		
5700	0.007		
5760	0.025		
5820	0.005		
5880	0.001		
5940	0.000		
6000	0.055		
6060	0.002		
6120	0.007		
6180	0.002		
6240	0.012		
6300	0.002		
6360	0.000		
6420	0.000		
6480	0.000		
6540	0.003		
6600	0.017		
6660	0.000		
6720	0.002		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 7, 2010

6780	0.000		
6840	0.005		
6900	0.001		
6960	0.000		
7020	0.000		
7080	0.001		
7140	0.004		
7200	0.001		
7260	0.001		
7320	0.000		
7380	0.000		
7440	0.000		
7500	0.006		
7560	0.002		
7620	0.001		
7680	0.001		
7740	0.000		
7800	0.000		
7860	0.000		
7920	0.000		
7980	0.002		
8040	0.000		
8100	0.001		

Former Reliable Truss (246 River Road) Daily Construction/Excavation Monitoring Summary

Date: 5/10/2010

Weather: 40s, low 50s, partly cloudy, slight NW->SE breeze

Activity: Excavation of 3A

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	85202130	1230	0.010	0.003	0.832	Started at ~0733
ON SITE	85202244	1237	0.018	0.003	0.949	Started at ~0738
DOWN WIND	85300952502	1235	0.025	0.005	0.141	Started at ~0747
UPWIND		1523	0.015	0.003	1.990	Units stopped at about 1530
ON SITE						Units stopped at about 1530
DOWN WIND						Units stopped at about 1530
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						

NOTES

Worksite unit malfunctioned - I noticed when I took them down (all digital marking was shown on screen and I couldn’t turn it off via power button). Data may have been lost.

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 10, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	1
Test Abbreviation:	
Start Date:	5/10/2010
Start Time:	7:33:37
Duration (dd:hh:mm:ss):	0:08:27:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	507
Notes:	Upwind

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.015
Minimum:	0.003
Time of Minimum:	7:37:37
Date of Minimum:	5/10/2010
Maximum:	0.502
Time of Maximum:	15:07:37
Date of Maximum:	5/10/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/10/2010	7:34:37	0.005
5/10/2010	7:35:37	0.005
5/10/2010	7:36:37	0.008
5/10/2010	7:37:37	0.003
5/10/2010	7:38:37	0.004
5/10/2010	7:39:37	0.005
5/10/2010	7:40:37	0.004
5/10/2010	7:41:37	0.005
5/10/2010	7:42:37	0.005
5/10/2010	7:43:37	0.006
5/10/2010	7:44:37	0.004
5/10/2010	7:45:37	0.004
5/10/2010	7:46:37	0.004

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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5/10/2010	7:47:37	0.006
5/10/2010	7:48:37	0.014
5/10/2010	7:49:37	0.009
5/10/2010	7:50:37	0.005
5/10/2010	7:51:37	0.006
5/10/2010	7:52:37	0.005
5/10/2010	7:53:37	0.005
5/10/2010	7:54:37	0.004
5/10/2010	7:55:37	0.005
5/10/2010	7:56:37	0.011
5/10/2010	7:57:37	0.007
5/10/2010	7:58:37	0.006
5/10/2010	7:59:37	0.006
5/10/2010	8:00:37	0.004
5/10/2010	8:01:37	0.004
5/10/2010	8:02:37	0.006
5/10/2010	8:03:37	0.006
5/10/2010	8:04:37	0.006
5/10/2010	8:05:37	0.005
5/10/2010	8:06:37	0.009
5/10/2010	8:07:37	0.008
5/10/2010	8:08:37	0.005
5/10/2010	8:09:37	0.005
5/10/2010	8:10:37	0.005
5/10/2010	8:11:37	0.005
5/10/2010	8:12:37	0.006
5/10/2010	8:13:37	0.014
5/10/2010	8:14:37	0.007
5/10/2010	8:15:37	0.009
5/10/2010	8:16:37	0.01
5/10/2010	8:17:37	0.01
5/10/2010	8:18:37	0.005
5/10/2010	8:19:37	0.015
5/10/2010	8:20:37	0.008
5/10/2010	8:21:37	0.005
5/10/2010	8:22:37	0.004
5/10/2010	8:23:37	0.007
5/10/2010	8:24:37	0.007
5/10/2010	8:25:37	0.004
5/10/2010	8:26:37	0.005
5/10/2010	8:27:37	0.006
5/10/2010	8:28:37	0.005
5/10/2010	8:29:37	0.005
5/10/2010	8:30:37	0.005

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5/10/2010	8:31:37	0.005
5/10/2010	8:32:37	0.004
5/10/2010	8:33:37	0.005
5/10/2010	8:34:37	0.005
5/10/2010	8:35:37	0.015
5/10/2010	8:36:37	0.007
5/10/2010	8:37:37	0.006
5/10/2010	8:38:37	0.006
5/10/2010	8:39:37	0.006
5/10/2010	8:40:37	0.01
5/10/2010	8:41:37	0.006
5/10/2010	8:42:37	0.007
5/10/2010	8:43:37	0.005
5/10/2010	8:44:37	0.011
5/10/2010	8:45:37	0.007
5/10/2010	8:46:37	0.005
5/10/2010	8:47:37	0.005
5/10/2010	8:48:37	0.005
5/10/2010	8:49:37	0.005
5/10/2010	8:50:37	0.005
5/10/2010	8:51:37	0.009
5/10/2010	8:52:37	0.01
5/10/2010	8:53:37	0.005
5/10/2010	8:54:37	0.013
5/10/2010	8:55:37	0.008
5/10/2010	8:56:37	0.014
5/10/2010	8:57:37	0.006
5/10/2010	8:58:37	0.016
5/10/2010	8:59:37	0.013
5/10/2010	9:00:37	0.012
5/10/2010	9:01:37	0.005
5/10/2010	9:02:37	0.005
5/10/2010	9:03:37	0.006
5/10/2010	9:04:37	0.005
5/10/2010	9:05:37	0.006
5/10/2010	9:06:37	0.015
5/10/2010	9:07:37	0.005
5/10/2010	9:08:37	0.006
5/10/2010	9:09:37	0.005
5/10/2010	9:10:37	0.005
5/10/2010	9:11:37	0.087
5/10/2010	9:12:37	0.028
5/10/2010	9:13:37	0.006
5/10/2010	9:14:37	0.014

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5/10/2010	9:15:37	0.005
5/10/2010	9:16:37	0.005
5/10/2010	9:17:37	0.005
5/10/2010	9:18:37	0.005
5/10/2010	9:19:37	0.005
5/10/2010	9:20:37	0.007
5/10/2010	9:21:37	0.007
5/10/2010	9:22:37	0.005
5/10/2010	9:23:37	0.005
5/10/2010	9:24:37	0.018
5/10/2010	9:25:37	0.007
5/10/2010	9:26:37	0.008
5/10/2010	9:27:37	0.009
5/10/2010	9:28:37	0.005
5/10/2010	9:29:37	0.009
5/10/2010	9:30:37	0.006
5/10/2010	9:31:37	0.007
5/10/2010	9:32:37	0.018
5/10/2010	9:33:37	0.006
5/10/2010	9:34:37	0.006
5/10/2010	9:35:37	0.006
5/10/2010	9:36:37	0.006
5/10/2010	9:37:37	0.009
5/10/2010	9:38:37	0.008
5/10/2010	9:39:37	0.006
5/10/2010	9:40:37	0.006
5/10/2010	9:41:37	0.006
5/10/2010	9:42:37	0.006
5/10/2010	9:43:37	0.007
5/10/2010	9:44:37	0.018
5/10/2010	9:45:37	0.012
5/10/2010	9:46:37	0.009
5/10/2010	9:47:37	0.007
5/10/2010	9:48:37	0.008
5/10/2010	9:49:37	0.008
5/10/2010	9:50:37	0.013
5/10/2010	9:51:37	0.006
5/10/2010	9:52:37	0.007
5/10/2010	9:53:37	0.008
5/10/2010	9:54:37	0.006
5/10/2010	9:55:37	0.009
5/10/2010	9:56:37	0.01
5/10/2010	9:57:37	0.025
5/10/2010	9:58:37	0.01

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5/10/2010	9:59:37	0.008
5/10/2010	10:00:37	0.011
5/10/2010	10:01:37	0.009
5/10/2010	10:02:37	0.008
5/10/2010	10:03:37	0.006
5/10/2010	10:04:37	0.007
5/10/2010	10:05:37	0.011
5/10/2010	10:06:37	0.006
5/10/2010	10:07:37	0.009
5/10/2010	10:08:37	0.006
5/10/2010	10:09:37	0.015
5/10/2010	10:10:37	0.005
5/10/2010	10:11:37	0.006
5/10/2010	10:12:37	0.008
5/10/2010	10:13:37	0.021
5/10/2010	10:14:37	0.006
5/10/2010	10:15:37	0.006
5/10/2010	10:16:37	0.005
5/10/2010	10:17:37	0.077
5/10/2010	10:18:37	0.007
5/10/2010	10:19:37	0.005
5/10/2010	10:20:37	0.007
5/10/2010	10:21:37	0.007
5/10/2010	10:22:37	0.006
5/10/2010	10:23:37	0.014
5/10/2010	10:24:37	0.006
5/10/2010	10:25:37	0.006
5/10/2010	10:26:37	0.008
5/10/2010	10:27:37	0.006
5/10/2010	10:28:37	0.006
5/10/2010	10:29:37	0.006
5/10/2010	10:30:37	0.013
5/10/2010	10:31:37	0.006
5/10/2010	10:32:37	0.007
5/10/2010	10:33:37	0.006
5/10/2010	10:34:37	0.006
5/10/2010	10:35:37	0.008
5/10/2010	10:36:37	0.006
5/10/2010	10:37:37	0.006
5/10/2010	10:38:37	0.007
5/10/2010	10:39:37	0.014
5/10/2010	10:40:37	0.007
5/10/2010	10:41:37	0.018
5/10/2010	10:42:37	0.006

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5/10/2010	10:43:37	0.009
5/10/2010	10:44:37	0.008
5/10/2010	10:45:37	0.006
5/10/2010	10:46:37	0.006
5/10/2010	10:47:37	0.006
5/10/2010	10:48:37	0.007
5/10/2010	10:49:37	0.022
5/10/2010	10:50:37	0.007
5/10/2010	10:51:37	0.007
5/10/2010	10:52:37	0.007
5/10/2010	10:53:37	0.011
5/10/2010	10:54:37	0.01
5/10/2010	10:55:37	0.006
5/10/2010	10:56:37	0.006
5/10/2010	10:57:37	0.006
5/10/2010	10:58:37	0.01
5/10/2010	10:59:37	0.013
5/10/2010	11:00:37	0.006
5/10/2010	11:01:37	0.007
5/10/2010	11:02:37	0.008
5/10/2010	11:03:37	0.008
5/10/2010	11:04:37	0.009
5/10/2010	11:05:37	0.015
5/10/2010	11:06:37	0.017
5/10/2010	11:07:37	0.069
5/10/2010	11:08:37	0.01
5/10/2010	11:09:37	0.019
5/10/2010	11:10:37	0.035
5/10/2010	11:11:37	0.015
5/10/2010	11:12:37	0.008
5/10/2010	11:13:37	0.008
5/10/2010	11:14:37	0.009
5/10/2010	11:15:37	0.01
5/10/2010	11:16:37	0.006
5/10/2010	11:17:37	0.006
5/10/2010	11:18:37	0.006
5/10/2010	11:19:37	0.006
5/10/2010	11:20:37	0.006
5/10/2010	11:21:37	0.067
5/10/2010	11:22:37	0.006
5/10/2010	11:23:37	0.007
5/10/2010	11:24:37	0.007
5/10/2010	11:25:37	0.006
5/10/2010	11:26:37	0.009

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5/10/2010	11:27:37	0.007
5/10/2010	11:28:37	0.012
5/10/2010	11:29:37	0.008
5/10/2010	11:30:37	0.008
5/10/2010	11:31:37	0.009
5/10/2010	11:32:37	0.008
5/10/2010	11:33:37	0.007
5/10/2010	11:34:37	0.007
5/10/2010	11:35:37	0.009
5/10/2010	11:36:37	0.006
5/10/2010	11:37:37	0.009
5/10/2010	11:38:37	0.007
5/10/2010	11:39:37	0.009
5/10/2010	11:40:37	0.008
5/10/2010	11:41:37	0.006
5/10/2010	11:42:37	0.013
5/10/2010	11:43:37	0.009
5/10/2010	11:44:37	0.014
5/10/2010	11:45:37	0.007
5/10/2010	11:46:37	0.007
5/10/2010	11:47:37	0.007
5/10/2010	11:48:37	0.008
5/10/2010	11:49:37	0.009
5/10/2010	11:50:37	0.007
5/10/2010	11:51:37	0.007
5/10/2010	11:52:37	0.008
5/10/2010	11:53:37	0.008
5/10/2010	11:54:37	0.021
5/10/2010	11:55:37	0.015
5/10/2010	11:56:37	0.008
5/10/2010	11:57:37	0.006
5/10/2010	11:58:37	0.007
5/10/2010	11:59:37	0.007
5/10/2010	12:00:37	0.008
5/10/2010	12:01:37	0.01
5/10/2010	12:02:37	0.015
5/10/2010	12:03:37	0.008
5/10/2010	12:04:37	0.008
5/10/2010	12:05:37	0.007
5/10/2010	12:06:37	0.01
5/10/2010	12:07:37	0.008
5/10/2010	12:08:37	0.017
5/10/2010	12:09:37	0.008
5/10/2010	12:10:37	0.019

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5/10/2010	12:11:37	0.007
5/10/2010	12:12:37	0.019
5/10/2010	12:13:37	0.008
5/10/2010	12:14:37	0.008
5/10/2010	12:15:37	0.007
5/10/2010	12:16:37	0.008
5/10/2010	12:17:37	0.007
5/10/2010	12:18:37	0.008
5/10/2010	12:19:37	0.009
5/10/2010	12:20:37	0.008
5/10/2010	12:21:37	0.007
5/10/2010	12:22:37	0.007
5/10/2010	12:23:37	0.007
5/10/2010	12:24:37	0.007
5/10/2010	12:25:37	0.15
5/10/2010	12:26:37	0.016
5/10/2010	12:27:37	0.01
5/10/2010	12:28:37	0.008
5/10/2010	12:29:37	0.01
5/10/2010	12:30:37	0.041
5/10/2010	12:31:37	0.01
5/10/2010	12:32:37	0.01
5/10/2010	12:33:37	0.009
5/10/2010	12:34:37	0.008
5/10/2010	12:35:37	0.007
5/10/2010	12:36:37	0.011
5/10/2010	12:37:37	0.009
5/10/2010	12:38:37	0.009
5/10/2010	12:39:37	0.008
5/10/2010	12:40:37	0.024
5/10/2010	12:41:37	0.021
5/10/2010	12:42:37	0.042
5/10/2010	12:43:37	0.013
5/10/2010	12:44:37	0.009
5/10/2010	12:45:37	0.014
5/10/2010	12:46:37	0.03
5/10/2010	12:47:37	0.012
5/10/2010	12:48:37	0.007
5/10/2010	12:49:37	0.009
5/10/2010	12:50:37	0.007
5/10/2010	12:51:37	0.02
5/10/2010	12:52:37	0.014
5/10/2010	12:53:37	0.013
5/10/2010	12:54:37	0.013

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5/10/2010	12:55:37	0.008
5/10/2010	12:56:37	0.009
5/10/2010	12:57:37	0.01
5/10/2010	12:58:37	0.008
5/10/2010	12:59:37	0.008
5/10/2010	13:00:37	0.175
5/10/2010	13:01:37	0.019
5/10/2010	13:02:37	0.013
5/10/2010	13:03:37	0.01
5/10/2010	13:04:37	0.007
5/10/2010	13:05:37	0.008
5/10/2010	13:06:37	0.008
5/10/2010	13:07:37	0.011
5/10/2010	13:08:37	0.018
5/10/2010	13:09:37	0.008
5/10/2010	13:10:37	0.009
5/10/2010	13:11:37	0.008
5/10/2010	13:12:37	0.008
5/10/2010	13:13:37	0.01
5/10/2010	13:14:37	0.008
5/10/2010	13:15:37	0.009
5/10/2010	13:16:37	0.013
5/10/2010	13:17:37	0.009
5/10/2010	13:18:37	0.014
5/10/2010	13:19:37	0.008
5/10/2010	13:20:37	0.008
5/10/2010	13:21:37	0.008
5/10/2010	13:22:37	0.009
5/10/2010	13:23:37	0.009
5/10/2010	13:24:37	0.008
5/10/2010	13:25:37	0.009
5/10/2010	13:26:37	0.008
5/10/2010	13:27:37	0.009
5/10/2010	13:28:37	0.009
5/10/2010	13:29:37	0.008
5/10/2010	13:30:37	0.012
5/10/2010	13:31:37	0.029
5/10/2010	13:32:37	0.008
5/10/2010	13:33:37	0.008
5/10/2010	13:34:37	0.046
5/10/2010	13:35:37	0.013
5/10/2010	13:36:37	0.01
5/10/2010	13:37:37	0.01
5/10/2010	13:38:37	0.048

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5/10/2010	13:39:37	0.096
5/10/2010	13:40:37	0.024
5/10/2010	13:41:37	0.033
5/10/2010	13:42:37	0.054
5/10/2010	13:43:37	0.024
5/10/2010	13:44:37	0.018
5/10/2010	13:45:37	0.01
5/10/2010	13:46:37	0.105
5/10/2010	13:47:37	0.011
5/10/2010	13:48:37	0.008
5/10/2010	13:49:37	0.013
5/10/2010	13:50:37	0.009
5/10/2010	13:51:37	0.012
5/10/2010	13:52:37	0.01
5/10/2010	13:53:37	0.008
5/10/2010	13:54:37	0.012
5/10/2010	13:55:37	0.008
5/10/2010	13:56:37	0.013
5/10/2010	13:57:37	0.015
5/10/2010	13:58:37	0.013
5/10/2010	13:59:37	0.013
5/10/2010	14:00:37	0.013
5/10/2010	14:01:37	0.008
5/10/2010	14:02:37	0.019
5/10/2010	14:03:37	0.011
5/10/2010	14:04:37	0.018
5/10/2010	14:05:37	0.01
5/10/2010	14:06:37	0.01
5/10/2010	14:07:37	0.014
5/10/2010	14:08:37	0.02
5/10/2010	14:09:37	0.014
5/10/2010	14:10:37	0.009
5/10/2010	14:11:37	0.009
5/10/2010	14:12:37	0.009
5/10/2010	14:13:37	0.009
5/10/2010	14:14:37	0.013
5/10/2010	14:15:37	0.012
5/10/2010	14:16:37	0.016
5/10/2010	14:17:37	0.01
5/10/2010	14:18:37	0.009
5/10/2010	14:19:37	0.011
5/10/2010	14:20:37	0.009
5/10/2010	14:21:37	0.009
5/10/2010	14:22:37	0.015

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5/10/2010	14:23:37	0.012
5/10/2010	14:24:37	0.019
5/10/2010	14:25:37	0.015
5/10/2010	14:26:37	0.014
5/10/2010	14:27:37	0.011
5/10/2010	14:28:37	0.01
5/10/2010	14:29:37	0.01
5/10/2010	14:30:37	0.01
5/10/2010	14:31:37	0.029
5/10/2010	14:32:37	0.018
5/10/2010	14:33:37	0.01
5/10/2010	14:34:37	0.056
5/10/2010	14:35:37	0.008
5/10/2010	14:36:37	0.01
5/10/2010	14:37:37	0.028
5/10/2010	14:38:37	0.052
5/10/2010	14:39:37	0.051
5/10/2010	14:40:37	0.008
5/10/2010	14:41:37	0.008
5/10/2010	14:42:37	0.01
5/10/2010	14:43:37	0.009
5/10/2010	14:44:37	0.008
5/10/2010	14:45:37	0.009
5/10/2010	14:46:37	0.009
5/10/2010	14:47:37	0.011
5/10/2010	14:48:37	0.374
5/10/2010	14:49:37	0.051
5/10/2010	14:50:37	0.018
5/10/2010	14:51:37	0.008
5/10/2010	14:52:37	0.041
5/10/2010	14:53:37	0.013
5/10/2010	14:54:37	0.014
5/10/2010	14:55:37	0.011
5/10/2010	14:56:37	0.009
5/10/2010	14:57:37	0.009
5/10/2010	14:58:37	0.032
5/10/2010	14:59:37	0.028
5/10/2010	15:00:37	0.022
5/10/2010	15:01:37	0.009
5/10/2010	15:02:37	0.011
5/10/2010	15:03:37	0.012
5/10/2010	15:04:37	0.008
5/10/2010	15:05:37	0.106
5/10/2010	15:06:37	0.193

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5/10/2010	15:07:37	0.502
5/10/2010	15:08:37	0.019
5/10/2010	15:09:37	0.018
5/10/2010	15:10:37	0.024
5/10/2010	15:11:37	0.037
5/10/2010	15:12:37	0.037
5/10/2010	15:13:37	0.049
5/10/2010	15:14:37	0.021
5/10/2010	15:15:37	0.009
5/10/2010	15:16:37	0.009
5/10/2010	15:17:37	0.019
5/10/2010	15:18:37	0.008
5/10/2010	15:19:37	0.008
5/10/2010	15:20:37	0.016
5/10/2010	15:21:37	0.013
5/10/2010	15:22:37	0.009
5/10/2010	15:23:37	0.013
5/10/2010	15:24:37	0.068
5/10/2010	15:25:37	0.024
5/10/2010	15:26:37	0.019
5/10/2010	15:27:37	0.009
5/10/2010	15:28:37	0.008
5/10/2010	15:29:37	0.01
5/10/2010	15:30:37	0.024
5/10/2010	15:31:37	0.021
5/10/2010	15:32:37	0.01
5/10/2010	15:33:37	0.01
5/10/2010	15:34:37	0.012
5/10/2010	15:35:37	0.022
5/10/2010	15:36:37	0.026
5/10/2010	15:37:37	0.013
5/10/2010	15:38:37	0.017
5/10/2010	15:39:37	0.012
5/10/2010	15:40:37	0.018
5/10/2010	15:41:37	0.01
5/10/2010	15:42:37	0.012
5/10/2010	15:43:37	0.019
5/10/2010	15:44:37	0.008
5/10/2010	15:45:37	0.009
5/10/2010	15:46:37	0.015
5/10/2010	15:47:37	0.011
5/10/2010	15:48:37	0.015
5/10/2010	15:49:37	0.011
5/10/2010	15:50:37	0.011

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 10, 2010

5/10/2010	15:51:37	0.008
5/10/2010	15:52:37	0.011
5/10/2010	15:53:37	0.009
5/10/2010	15:54:37	0.023
5/10/2010	15:55:37	0.021
5/10/2010	15:56:37	0.011
5/10/2010	15:57:37	0.011
5/10/2010	15:58:37	0.014
5/10/2010	15:59:37	0.011
5/10/2010	16:00:37	0.025

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 10, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	1
Test Abbreviation:	
Start Date:	5/10/2010
Start Time:	7:41:21
Duration (dd:hh:mm:ss):	0:07:38:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	458
Notes:	Worksite/Nearest Property

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.026
Minimum:	0.004
Time of Minimum:	7:43:21
Date of Minimum:	5/10/2010
Maximum:	0.715
Time of Maximum:	15:09:21
Date of Maximum:	5/10/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/10/2010	7:42:21	0.007
5/10/2010	7:43:21	0.004
5/10/2010	7:44:21	0.011
5/10/2010	7:45:21	0.004
5/10/2010	7:46:21	0.007
5/10/2010	7:47:21	0.006
5/10/2010	7:48:21	0.005
5/10/2010	7:49:21	0.006
5/10/2010	7:50:21	0.007
5/10/2010	7:51:21	0.005
5/10/2010	7:52:21	0.006
5/10/2010	7:53:21	0.049
5/10/2010	7:54:21	0.023

5/10/2010	7:55:21	0.019
5/10/2010	7:56:21	0.007
5/10/2010	7:57:21	0.010
5/10/2010	7:58:21	0.008
5/10/2010	7:59:21	0.007
5/10/2010	8:00:21	0.005
5/10/2010	8:01:21	0.012
5/10/2010	8:02:21	0.015
5/10/2010	8:03:21	0.005
5/10/2010	8:04:21	0.008
5/10/2010	8:05:21	0.004
5/10/2010	8:06:21	0.005
5/10/2010	8:07:21	0.005
5/10/2010	8:08:21	0.008
5/10/2010	8:09:21	0.005
5/10/2010	8:10:21	0.006
5/10/2010	8:11:21	0.005
5/10/2010	8:12:21	0.005
5/10/2010	8:13:21	0.005
5/10/2010	8:14:21	0.014
5/10/2010	8:15:21	0.043
5/10/2010	8:16:21	0.009
5/10/2010	8:17:21	0.050
5/10/2010	8:18:21	0.012
5/10/2010	8:19:21	0.010
5/10/2010	8:20:21	0.039
5/10/2010	8:21:21	0.020
5/10/2010	8:22:21	0.022
5/10/2010	8:23:21	0.033
5/10/2010	8:24:21	0.006
5/10/2010	8:25:21	0.006
5/10/2010	8:26:21	0.006
5/10/2010	8:27:21	0.006
5/10/2010	8:28:21	0.007
5/10/2010	8:29:21	0.040
5/10/2010	8:30:21	0.011
5/10/2010	8:31:21	0.009
5/10/2010	8:32:21	0.008
5/10/2010	8:33:21	0.006
5/10/2010	8:34:21	0.008
5/10/2010	8:35:21	0.026
5/10/2010	8:36:21	0.032
5/10/2010	8:37:21	0.013
5/10/2010	8:38:21	0.008

5/10/2010	8:39:21	0.006
5/10/2010	8:40:21	0.006
5/10/2010	8:41:21	0.006
5/10/2010	8:42:21	0.007
5/10/2010	8:43:21	0.026
5/10/2010	8:44:21	0.031
5/10/2010	8:45:21	0.008
5/10/2010	8:46:21	0.006
5/10/2010	8:47:21	0.018
5/10/2010	8:48:21	0.008
5/10/2010	8:49:21	0.011
5/10/2010	8:50:21	0.032
5/10/2010	8:51:21	0.046
5/10/2010	8:52:21	0.011
5/10/2010	8:53:21	0.016
5/10/2010	8:54:21	0.031
5/10/2010	8:55:21	0.037
5/10/2010	8:56:21	0.008
5/10/2010	8:57:21	0.006
5/10/2010	8:58:21	0.006
5/10/2010	8:59:21	0.008
5/10/2010	9:00:21	0.006
5/10/2010	9:01:21	0.009
5/10/2010	9:02:21	0.014
5/10/2010	9:03:21	0.023
5/10/2010	9:04:21	0.015
5/10/2010	9:05:21	0.029
5/10/2010	9:06:21	0.038
5/10/2010	9:07:21	0.006
5/10/2010	9:08:21	0.014
5/10/2010	9:09:21	0.006
5/10/2010	9:10:21	0.006
5/10/2010	9:11:21	0.006
5/10/2010	9:12:21	0.024
5/10/2010	9:13:21	0.011
5/10/2010	9:14:21	0.007
5/10/2010	9:15:21	0.006
5/10/2010	9:16:21	0.007
5/10/2010	9:17:21	0.006
5/10/2010	9:18:21	0.007
5/10/2010	9:19:21	0.007
5/10/2010	9:20:21	0.007
5/10/2010	9:21:21	0.026
5/10/2010	9:22:21	0.008

5/10/2010	9:23:21	0.007
5/10/2010	9:24:21	0.011
5/10/2010	9:25:21	0.007
5/10/2010	9:26:21	0.007
5/10/2010	9:27:21	0.008
5/10/2010	9:28:21	0.013
5/10/2010	9:29:21	0.015
5/10/2010	9:30:21	0.010
5/10/2010	9:31:21	0.016
5/10/2010	9:32:21	0.021
5/10/2010	9:33:21	0.216
5/10/2010	9:34:21	0.070
5/10/2010	9:35:21	0.023
5/10/2010	9:36:21	0.009
5/10/2010	9:37:21	0.007
5/10/2010	9:38:21	0.006
5/10/2010	9:39:21	0.008
5/10/2010	9:40:21	0.009
5/10/2010	9:41:21	0.006
5/10/2010	9:42:21	0.008
5/10/2010	9:43:21	0.030
5/10/2010	9:44:21	0.007
5/10/2010	9:45:21	0.009
5/10/2010	9:46:21	0.018
5/10/2010	9:47:21	0.033
5/10/2010	9:48:21	0.034
5/10/2010	9:49:21	0.025
5/10/2010	9:50:21	0.068
5/10/2010	9:51:21	0.012
5/10/2010	9:52:21	0.010
5/10/2010	9:53:21	0.012
5/10/2010	9:54:21	0.012
5/10/2010	9:55:21	0.009
5/10/2010	9:56:21	0.008
5/10/2010	9:57:21	0.023
5/10/2010	9:58:21	0.108
5/10/2010	9:59:21	0.021
5/10/2010	10:00:21	0.024
5/10/2010	10:01:21	0.054
5/10/2010	10:02:21	0.058
5/10/2010	10:03:21	0.041
5/10/2010	10:04:21	0.052
5/10/2010	10:05:21	0.045
5/10/2010	10:06:21	0.027

5/10/2010	10:07:21	0.009
5/10/2010	10:08:21	0.011
5/10/2010	10:09:21	0.008
5/10/2010	10:10:21	0.018
5/10/2010	10:11:21	0.058
5/10/2010	10:12:21	0.032
5/10/2010	10:13:21	0.046
5/10/2010	10:14:21	0.009
5/10/2010	10:15:21	0.015
5/10/2010	10:16:21	0.015
5/10/2010	10:17:21	0.011
5/10/2010	10:18:21	0.007
5/10/2010	10:19:21	0.019
5/10/2010	10:20:21	0.052
5/10/2010	10:21:21	0.013
5/10/2010	10:22:21	0.036
5/10/2010	10:23:21	0.029
5/10/2010	10:24:21	0.026
5/10/2010	10:25:21	0.043
5/10/2010	10:26:21	0.072
5/10/2010	10:27:21	0.023
5/10/2010	10:28:21	0.017
5/10/2010	10:29:21	0.020
5/10/2010	10:30:21	0.008
5/10/2010	10:31:21	0.006
5/10/2010	10:32:21	0.008
5/10/2010	10:33:21	0.019
5/10/2010	10:34:21	0.022
5/10/2010	10:35:21	0.014
5/10/2010	10:36:21	0.007
5/10/2010	10:37:21	0.012
5/10/2010	10:38:21	0.012
5/10/2010	10:39:21	0.010
5/10/2010	10:40:21	0.007
5/10/2010	10:41:21	0.020
5/10/2010	10:42:21	0.023
5/10/2010	10:43:21	0.046
5/10/2010	10:44:21	0.012
5/10/2010	10:45:21	0.008
5/10/2010	10:46:21	0.014
5/10/2010	10:47:21	0.027
5/10/2010	10:48:21	0.015
5/10/2010	10:49:21	0.052
5/10/2010	10:50:21	0.007

5/10/2010	10:51:21	0.008
5/10/2010	10:52:21	0.006
5/10/2010	10:53:21	0.041
5/10/2010	10:54:21	0.040
5/10/2010	10:55:21	0.007
5/10/2010	10:56:21	0.013
5/10/2010	10:57:21	0.012
5/10/2010	10:58:21	0.006
5/10/2010	10:59:21	0.006
5/10/2010	11:00:21	0.010
5/10/2010	11:01:21	0.021
5/10/2010	11:02:21	0.019
5/10/2010	11:03:21	0.038
5/10/2010	11:04:21	0.037
5/10/2010	11:05:21	0.017
5/10/2010	11:06:21	0.011
5/10/2010	11:07:21	0.009
5/10/2010	11:08:21	0.055
5/10/2010	11:09:21	0.024
5/10/2010	11:10:21	0.013
5/10/2010	11:11:21	0.024
5/10/2010	11:12:21	0.143
5/10/2010	11:13:21	0.018
5/10/2010	11:14:21	0.007
5/10/2010	11:15:21	0.006
5/10/2010	11:16:21	0.008
5/10/2010	11:17:21	0.014
5/10/2010	11:18:21	0.008
5/10/2010	11:19:21	0.012
5/10/2010	11:20:21	0.006
5/10/2010	11:21:21	0.012
5/10/2010	11:22:21	0.007
5/10/2010	11:23:21	0.027
5/10/2010	11:24:21	0.012
5/10/2010	11:25:21	0.005
5/10/2010	11:26:21	0.005
5/10/2010	11:27:21	0.005
5/10/2010	11:28:21	0.034
5/10/2010	11:29:21	0.024
5/10/2010	11:30:21	0.029
5/10/2010	11:31:21	0.038
5/10/2010	11:32:21	0.006
5/10/2010	11:33:21	0.012
5/10/2010	11:34:21	0.020

5/10/2010	11:35:21	0.026
5/10/2010	11:36:21	0.065
5/10/2010	11:37:21	0.006
5/10/2010	11:38:21	0.007
5/10/2010	11:39:21	0.013
5/10/2010	11:40:21	0.011
5/10/2010	11:41:21	0.010
5/10/2010	11:42:21	0.012
5/10/2010	11:43:21	0.056
5/10/2010	11:44:21	0.018
5/10/2010	11:45:21	0.051
5/10/2010	11:46:21	0.006
5/10/2010	11:47:21	0.012
5/10/2010	11:48:21	0.011
5/10/2010	11:49:21	0.008
5/10/2010	11:50:21	0.016
5/10/2010	11:51:21	0.014
5/10/2010	11:52:21	0.009
5/10/2010	11:53:21	0.006
5/10/2010	11:54:21	0.009
5/10/2010	11:55:21	0.043
5/10/2010	11:56:21	0.013
5/10/2010	11:57:21	0.042
5/10/2010	11:58:21	0.005
5/10/2010	11:59:21	0.006
5/10/2010	12:00:21	0.011
5/10/2010	12:01:21	0.022
5/10/2010	12:02:21	0.021
5/10/2010	12:03:21	0.081
5/10/2010	12:04:21	0.083
5/10/2010	12:05:21	0.006
5/10/2010	12:06:21	0.014
5/10/2010	12:07:21	0.007
5/10/2010	12:08:21	0.006
5/10/2010	12:09:21	0.009
5/10/2010	12:10:21	0.008
5/10/2010	12:11:21	0.017
5/10/2010	12:12:21	0.006
5/10/2010	12:13:21	0.007
5/10/2010	12:14:21	0.009
5/10/2010	12:15:21	0.023
5/10/2010	12:16:21	0.009
5/10/2010	12:17:21	0.007
5/10/2010	12:18:21	0.006

5/10/2010	12:19:21	0.005
5/10/2010	12:20:21	0.016
5/10/2010	12:21:21	0.007
5/10/2010	12:22:21	0.007
5/10/2010	12:23:21	0.006
5/10/2010	12:24:21	0.005
5/10/2010	12:25:21	0.005
5/10/2010	12:26:21	0.005
5/10/2010	12:27:21	0.005
5/10/2010	12:28:21	0.005
5/10/2010	12:29:21	0.009
5/10/2010	12:30:21	0.007
5/10/2010	12:31:21	0.015
5/10/2010	12:32:21	0.005
5/10/2010	12:33:21	0.006
5/10/2010	12:34:21	0.005
5/10/2010	12:35:21	0.008
5/10/2010	12:36:21	0.005
5/10/2010	12:37:21	0.005
5/10/2010	12:38:21	0.005
5/10/2010	12:39:21	0.006
5/10/2010	12:40:21	0.009
5/10/2010	12:41:21	0.010
5/10/2010	12:42:21	0.015
5/10/2010	12:43:21	0.010
5/10/2010	12:44:21	0.024
5/10/2010	12:45:21	0.036
5/10/2010	12:46:21	0.066
5/10/2010	12:47:21	0.129
5/10/2010	12:48:21	0.077
5/10/2010	12:49:21	0.147
5/10/2010	12:50:21	0.008
5/10/2010	12:51:21	0.005
5/10/2010	12:52:21	0.004
5/10/2010	12:53:21	0.011
5/10/2010	12:54:21	0.048
5/10/2010	12:55:21	0.023
5/10/2010	12:56:21	0.034
5/10/2010	12:57:21	0.005
5/10/2010	12:58:21	0.204
5/10/2010	12:59:21	0.030
5/10/2010	13:00:21	0.006
5/10/2010	13:01:21	0.012
5/10/2010	13:02:21	0.059

5/10/2010	13:03:21	0.058
5/10/2010	13:04:21	0.092
5/10/2010	13:05:21	0.010
5/10/2010	13:06:21	0.011
5/10/2010	13:07:21	0.051
5/10/2010	13:08:21	0.089
5/10/2010	13:09:21	0.144
5/10/2010	13:10:21	0.033
5/10/2010	13:11:21	0.023
5/10/2010	13:12:21	0.009
5/10/2010	13:13:21	0.092
5/10/2010	13:14:21	0.011
5/10/2010	13:15:21	0.021
5/10/2010	13:16:21	0.015
5/10/2010	13:17:21	0.020
5/10/2010	13:18:21	0.195
5/10/2010	13:19:21	0.022
5/10/2010	13:20:21	0.005
5/10/2010	13:21:21	0.005
5/10/2010	13:22:21	0.033
5/10/2010	13:23:21	0.026
5/10/2010	13:24:21	0.012
5/10/2010	13:25:21	0.051
5/10/2010	13:26:21	0.008
5/10/2010	13:27:21	0.007
5/10/2010	13:28:21	0.025
5/10/2010	13:29:21	0.035
5/10/2010	13:30:21	0.011
5/10/2010	13:31:21	0.012
5/10/2010	13:32:21	0.012
5/10/2010	13:33:21	0.139
5/10/2010	13:34:21	0.014
5/10/2010	13:35:21	0.025
5/10/2010	13:36:21	0.039
5/10/2010	13:37:21	0.059
5/10/2010	13:38:21	0.057
5/10/2010	13:39:21	0.016
5/10/2010	13:40:21	0.021
5/10/2010	13:41:21	0.083
5/10/2010	13:42:21	0.031
5/10/2010	13:43:21	0.029
5/10/2010	13:44:21	0.041
5/10/2010	13:45:21	0.085
5/10/2010	13:46:21	0.039

5/10/2010	13:47:21	0.017
5/10/2010	13:48:21	0.323
5/10/2010	13:49:21	0.019
5/10/2010	13:50:21	0.015
5/10/2010	13:51:21	0.028
5/10/2010	13:52:21	0.026
5/10/2010	13:53:21	0.015
5/10/2010	13:54:21	0.016
5/10/2010	13:55:21	0.010
5/10/2010	13:56:21	0.021
5/10/2010	13:57:21	0.018
5/10/2010	13:58:21	0.020
5/10/2010	13:59:21	0.066
5/10/2010	14:00:21	0.089
5/10/2010	14:01:21	0.019
5/10/2010	14:02:21	0.007
5/10/2010	14:03:21	0.017
5/10/2010	14:04:21	0.050
5/10/2010	14:05:21	0.129
5/10/2010	14:06:21	0.013
5/10/2010	14:07:21	0.007
5/10/2010	14:08:21	0.009
5/10/2010	14:09:21	0.027
5/10/2010	14:10:21	0.052
5/10/2010	14:11:21	0.023
5/10/2010	14:12:21	0.028
5/10/2010	14:13:21	0.017
5/10/2010	14:14:21	0.008
5/10/2010	14:15:21	0.010
5/10/2010	14:16:21	0.131
5/10/2010	14:17:21	0.092
5/10/2010	14:18:21	0.042
5/10/2010	14:19:21	0.020
5/10/2010	14:20:21	0.009
5/10/2010	14:21:21	0.047
5/10/2010	14:22:21	0.061
5/10/2010	14:23:21	0.013
5/10/2010	14:24:21	0.039
5/10/2010	14:25:21	0.019
5/10/2010	14:26:21	0.018
5/10/2010	14:27:21	0.014
5/10/2010	14:28:21	0.038
5/10/2010	14:29:21	0.006
5/10/2010	14:30:21	0.007

5/10/2010	14:31:21	0.010
5/10/2010	14:32:21	0.017
5/10/2010	14:33:21	0.025
5/10/2010	14:34:21	0.034
5/10/2010	14:35:21	0.064
5/10/2010	14:36:21	0.009
5/10/2010	14:37:21	0.006
5/10/2010	14:38:21	0.005
5/10/2010	14:39:21	0.006
5/10/2010	14:40:21	0.006
5/10/2010	14:41:21	0.015
5/10/2010	14:42:21	0.008
5/10/2010	14:43:21	0.005
5/10/2010	14:44:21	0.006
5/10/2010	14:45:21	0.005
5/10/2010	14:46:21	0.005
5/10/2010	14:47:21	0.006
5/10/2010	14:48:21	0.016
5/10/2010	14:49:21	0.036
5/10/2010	14:50:21	0.086
5/10/2010	14:51:21	0.277
5/10/2010	14:52:21	0.014
5/10/2010	14:53:21	0.006
5/10/2010	14:54:21	0.017
5/10/2010	14:55:21	0.009
5/10/2010	14:56:21	0.005
5/10/2010	14:57:21	0.037
5/10/2010	14:58:21	0.005
5/10/2010	14:59:21	0.016
5/10/2010	15:00:21	0.232
5/10/2010	15:01:21	0.008
5/10/2010	15:02:21	0.007
5/10/2010	15:03:21	0.008
5/10/2010	15:04:21	0.007
5/10/2010	15:05:21	0.005
5/10/2010	15:06:21	0.005
5/10/2010	15:07:21	0.034
5/10/2010	15:08:21	0.031
5/10/2010	15:09:21	0.715
5/10/2010	15:10:21	0.006
5/10/2010	15:11:21	0.010
5/10/2010	15:12:21	0.051
5/10/2010	15:13:21	0.079
5/10/2010	15:14:21	0.025

5/10/2010	15:15:21	0.015
5/10/2010	15:16:21	0.008
5/10/2010	15:17:21	0.006
5/10/2010	15:18:21	0.005
5/10/2010	15:19:21	0.006

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 10, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_001
Test Start Time	7:43:25 AM
Test Start Date	5/10/2010
Test Length [D:H:M]	0:07:44
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.034
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.413
Mass TWA [mg/m3]	0.032
Photometric User Cal	1
Flow User Cal	1
Errors	
Number of Samples	464
Number of STELS	10
STEL Start Time	8:12:23 AM
STEL Start Date	5/10/2010
STEL Average [mg/m3]	0.035
STEL Minimum [mg/m3]	0.004
STEL Maximum [mg/m3]	0.566
STEL Start Time	8:31:22 AM
STEL Start Date	5/10/2010
STEL Average [mg/m3]	0.04
STEL Minimum [mg/m3]	0.006
STEL Maximum [mg/m3]	1.46
STEL Start Time	9:22:07 AM
STEL Start Date	5/10/2010
STEL Average [mg/m3]	0.022
STEL Minimum [mg/m3]	0.003
STEL Maximum [mg/m3]	0.575
STEL Start Time	12:44:00 PM
STEL Start Date	5/10/2010
STEL Average [mg/m3]	0.053
STEL Minimum [mg/m3]	0.008
STEL Maximum [mg/m3]	0.617

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 10, 2010

STEL Start Time	1:12:04 PM
STEL Start Date	5/10/2010
STEL Average [mg/m3]	0.053
STEL Minimum [mg/m3]	0.008
STEL Maximum [mg/m3]	1.66

STEL Start Time	1:31:49 PM
STEL Start Date	5/10/2010
STEL Average [mg/m3]	0.077
STEL Minimum [mg/m3]	0.007
STEL Maximum [mg/m3]	2.14

STEL Start Time	1:49:20 PM
STEL Start Date	5/10/2010
STEL Average [mg/m3]	0.064
STEL Minimum [mg/m3]	0.007
STEL Maximum [mg/m3]	0.953

STEL Start Time	2:20:24 PM
STEL Start Date	5/10/2010
STEL Average [mg/m3]	0.058
STEL Minimum [mg/m3]	0.007
STEL Maximum [mg/m3]	0.982

STEL Start Time	2:51:44 PM
STEL Start Date	5/10/2010
STEL Average [mg/m3]	0.07
STEL Minimum [mg/m3]	0.007
STEL Maximum [mg/m3]	1.92

STEL Start Time	3:06:44 PM
STEL Start Date	5/10/2010
STEL Average [mg/m3]	0.037
STEL Minimum [mg/m3]	0.007
STEL Maximum [mg/m3]	2.27

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.014		
120	0.017		
180	0.012		
240	0.015		
300	0.013		
360	0.018		
420	0.021		

480	0.011		
540	0.013		
600	0.013		
660	0.012		
720	0.014		
780	0.015		
840	0.049		
900	0.046		
960	0.033		
1020	0.039		
1080	0.040		
1140	0.034		
1200	0.053		
1260	0.045		
1320	0.035		
1380	0.029		
1440	0.047		
1500	0.039		
1560	0.021		
1620	0.023		
1680	0.023		
1740	0.079	1	
1800	0.056	1	
1860	0.057	1	
1920	0.027	1	
1980	0.034	1	
2040	0.082	1	
2100	0.023	1	
2160	0.007	1	
2220	0.005	1	
2280	0.007	1	
2340	0.012	1	
2400	0.074	1	
2460	0.027	1	
2520	0.054	1	
2580	0.015	1	
2640	0.029	1	
2700	0.025	1	
2760	0.026	1	
2820	0.030	1	
2880	0.100	1	
2940	0.098	1	
3000	0.038	1	
3060	0.022	1	

3120	0.029	1	
3180	0.026	1	
3240	0.032	1	
3300	0.018	1	
3360	0.021	1	
3420	0.014	1	
3480	0.039	1	
3540	0.037	1	
3600	0.022	1	
3660	0.061	1	
3720	0.019	1	
3780	0.058	1	
3840	0.015	1	
3900	0.044	1	
3960	0.020	1	
4020	0.032	1	
4080	0.014	1	
4140	0.013	1	
4200	0.008	1	
4260	0.007	1	
4320	0.014	1	
4380	0.013	1	
4440	0.007	1	
4500	0.007	1	
4560	0.011	1	
4620	0.024	1	
4680	0.013	1	
4740	0.008	1	
4800	0.011	1	
4860	0.010	1	
4920	0.008	1	
4980	0.006	1	
5040	0.006	1	
5100	0.025	1	
5160	0.019	1	
5220	0.006	1	
5280	0.005	1	
5340	0.006	1	
5400	0.006	1	
5460	0.010	1	
5520	0.006	1	
5580	0.010	1	
5640	0.007	1	
5700	0.009	1	

5760	0.011	1	
5820	0.007	1	
5880	0.019	1	
5940	0.035	1	
6000	0.008	1	
6060	0.006	1	
6120	0.023	1	
6180	0.054	1	
6240	0.026	1	
6300	0.011	1	
6360	0.033	1	
6420	0.031	1	
6480	0.009	1	
6540	0.028	1	
6600	0.011	1	
6660	0.010	1	
6720	0.018	1	
6780	0.018	1	
6840	0.013	1	
6900	0.015	1	
6960	0.014	1	
7020	0.048	1	
7080	0.008	1	
7140	0.025	1	
7200	0.040	1	
7260	0.020	1	
7320	0.047	1	
7380	0.010	1	
7440	0.013	1	
7500	0.007	1	
7560	0.008	1	
7620	0.009	1	
7680	0.010	1	
7740	0.031	1	
7800	0.012	1	
7860	0.032	1	
7920	0.017	1	
7980	0.009	1	
8040	0.021	1	
8100	0.023	1	
8160	0.035	1	
8220	0.011	1	
8280	0.007	1	
8340	0.033	1	

8400	0.039	1	
8460	0.027	1	
8520	0.011	1	
8580	0.011	1	
8640	0.036	1	
8700	0.014	1	
8760	0.007	1	
8820	0.052	1	
8880	0.024	1	
8940	0.005	1	
9000	0.006	1	
9060	0.013	1	
9120	0.006	1	
9180	0.018	1	
9240	0.016	1	
9300	0.009	1	
9360	0.008	1	
9420	0.021	1	
9480	0.019	1	
9540	0.019	1	
9600	0.083	1	
9660	0.054	1	
9720	0.030	1	
9780	0.015	1	
9840	0.030	1	
9900	0.049	1	
9960	0.029	1	
10020	0.040	1	
10080	0.018	1	
10140	0.044	1	
10200	0.032	1	
10260	0.027	1	
10320	0.015	1	
10380	0.042	1	
10440	0.020	1	
10500	0.016	1	
10560	0.018	1	
10620	0.033	1	
10680	0.025	1	
10740	0.024	1	
10800	0.019	1	
10860	0.037	1	
10920	0.016	1	
10980	0.044	1	

11040	0.045	1	
11100	0.014	1	
11160	0.015	1	
11220	0.066	1	
11280	0.053	1	
11340	0.031	1	
11400	0.017	1	
11460	0.020	1	
11520	0.057	1	
11580	0.062	1	
11640	0.100	1	
11700	0.044	1	
11760	0.041	1	
11820	0.033	1	
11880	0.026	1	
11940	0.019	1	
12000	0.044	1	
12060	0.024	1	
12120	0.014	1	
12180	0.026	1	
12240	0.141	1	
12300	0.024	1	
12360	0.026	1	
12420	0.013	1	
12480	0.013	1	
12540	0.012	1	
12600	0.026	1	
12660	0.014	1	
12720	0.011	1	
12780	0.012	1	
12840	0.012	1	
12900	0.016	1	
12960	0.020	1	
13020	0.023	1	
13080	0.012	1	
13140	0.019	1	
13200	0.025	1	
13260	0.012	1	
13320	0.011	1	
13380	0.013	1	
13440	0.020	1	
13500	0.049	1	
13560	0.047	1	
13620	0.040	1	

13680	0.054	1	
13740	0.032	1	
13800	0.059	1	
13860	0.035	1	
13920	0.017	1	
13980	0.017	1	
14040	0.020	1	
14100	0.054	1	
14160	0.016	1	
14220	0.060	1	
14280	0.033	1	
14340	0.031	1	
14400	0.015	1	
14460	0.017	1	
14520	0.024	1	
14580	0.022	1	
14640	0.027	1	
14700	0.032	1	
14760	0.056	1	
14820	0.025	1	
14880	0.014	1	
14940	0.025	1	
15000	0.042	1	
15060	0.030	1	
15120	0.053	1	
15180	0.038	1	
15240	0.015	1	
15300	0.051	1	
15360	0.031	1	
15420	0.040	1	
15480	0.034	1	
15540	0.012	1	
15600	0.011	1	
15660	0.010	1	
15720	0.042	1	
15780	0.023	1	
15840	0.034	1	
15900	0.020	1	
15960	0.016	1	
16020	0.025	1	
16080	0.014	1	
16140	0.010	1	
16200	0.010	1	
16260	0.010	1	

16320	0.013	1	
16380	0.012	1	
16440	0.011	1	
16500	0.023	1	
16560	0.011	1	
16620	0.010	1	
16680	0.010	1	
16740	0.011	1	
16800	0.011	1	
16860	0.020	1	
16920	0.012	1	
16980	0.011	1	
17040	0.012	1	
17100	0.012	1	
17160	0.010	1	
17220	0.011	1	
17280	0.010	1	
17340	0.011	1	
17400	0.014	1	
17460	0.009	1	
17520	0.010	1	
17580	0.041	1	
17640	0.086	1	
17700	0.022	1	
17760	0.016	1	
17820	0.018	1	
17880	0.117	1	
17940	0.043	1	
18000	0.058	1	
18060	0.071	1	
18120	0.019	1	
18180	0.064	1	
18240	0.152	1	
18300	0.016	1	
18360	0.085	1	
18420	0.039	1	
18480	0.022	1	
18540	0.019	1	
18600	0.078	1	
18660	0.059	1	
18720	0.024	1	
18780	0.017	1	
18840	0.058	1	
18900	0.082	1	

18960	0.027	1	
19020	0.009	1	
19080	0.015	1	
19140	0.016	1	
19200	0.011	1	
19260	0.025	1	
19320	0.015	1	
19380	0.010	1	
19440	0.011	1	
19500	0.038	1	
19560	0.016	1	
19620	0.010	1	
19680	0.012	1	
19740	0.266	1	
19800	0.073	1	
19860	0.030	1	
19920	0.227	1	
19980	0.019	1	
20040	0.011	1	
20100	0.010	1	
20160	0.016	1	
20220	0.027	1	
20280	0.012	1	
20340	0.015	1	
20400	0.018	1	
20460	0.036	1	
20520	0.040	1	
20580	0.025	1	
20640	0.030	1	
20700	0.027	1	
20760	0.025	1	
20820	0.011	1	
20880	0.014	1	
20940	0.075	1	
21000	0.036	1	
21060	0.014	1	
21120	0.015	1	
21180	0.024	1	
21240	0.012	1	
21300	0.021	1	
21360	0.019	1	
21420	0.059	1	
21480	0.016	1	
21540	0.098	1	

21600	0.356	1	
21660	0.033	1	
21720	0.281	1	
21780	0.104	1	
21840	0.029	1	
21900	0.030	1	
21960	0.063	1	
22020	0.034	1	
22080	0.014	1	
22140	0.073	1	
22200	0.018	1	
22260	0.017	1	
22320	0.107	1	
22380	0.018	1	
22440	0.255	1	
22500	0.050	1	
22560	0.169	1	
22620	0.091	1	
22680	0.032	1	
22740	0.010	1	
22800	0.010	1	
22860	0.033	1	
22920	0.043	1	
22980	0.009	1	
23040	0.016	1	
23100	0.058	1	
23160	0.057	1	
23220	0.031	1	
23280	0.112	1	
23340	0.018	1	
23400	0.038	1	
23460	0.016	1	
23520	0.010	1	
23580	0.070	1	
23640	0.048	1	
23700	0.060	1	
23760	0.017	1	
23820	0.062	1	
23880	0.243	1	
23940	0.013	1	
24000	0.024	1	
24060	0.030	1	
24120	0.027	1	
24180	0.037	1	

24240	0.070	1	
24300	0.053	1	
24360	0.022	1	
24420	0.213	1	
24480	0.030	1	
24540	0.046	1	
24600	0.009	1	
24660	0.015	1	
24720	0.015	1	
24780	0.021	1	
24840	0.017	1	
24900	0.011	1	
24960	0.011	1	
25020	0.011	1	
25080	0.010	1	
25140	0.014	1	
25200	0.024	1	
25260	0.020	1	
25320	0.108	1	
25380	0.133	1	
25440	0.019	1	
25500	0.011	1	
25560	0.017	1	
25620	0.012	1	
25680	0.019	1	
25740	0.174	1	
25800	0.022	1	
25860	0.029	1	
25920	0.072	1	
25980	0.019	1	
26040	0.045	1	
26100	0.014	1	
26160	0.011	1	
26220	0.010	1	
26280	0.010	1	
26340	0.021	1	
26400	0.217	1	
26460	0.413	1	
26520	0.012	1	
26580	0.013	1	
26640	0.224	1	
26700	0.031	1	
26760	0.035	1	
26820	0.014	1	

26880	0.013	1	
26940	0.009	1	
27000	0.014	1	
27060	0.010	1	
27120	0.010	1	
27180	0.009	1	
27240	0.014	1	
27300	0.031	1	
27360	0.022	1	
27420	0.051	1	
27480	0.063	1	
27540	0.021	1	
27600	0.012	1	
27660	0.010	1	
27720	0.010	1	
27780	0.008	1	
27840	0.010	1	

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.072
120	0.059
180	0.026
240	0.029
300	0.087
360	0.025
420	0.007
480	0.005
540	0.007
600	0.012
660	0.071
720	0.030
780	0.053
840	0.015
900	0.029

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.159
120	0.039
180	0.022
240	0.028
300	0.027
360	0.032

420	0.018
480	0.021
540	0.015
600	0.032
660	0.044
720	0.022
780	0.056
840	0.022
900	0.059

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.035
120	0.006
180	0.013
240	0.023
300	0.066
360	0.009
420	0.022
480	0.040
540	0.011
600	0.015
660	0.025
720	0.010
780	0.012
840	0.023
900	0.013

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.056
120	0.043
180	0.152
240	0.039
300	0.027
360	0.085
420	0.027
480	0.023
540	0.074
600	0.062
660	0.021
720	0.024
780	0.054
840	0.035

900	0.076

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.279
120	0.041
180	0.214
240	0.030
300	0.013
360	0.011
420	0.015
480	0.025
540	0.012
600	0.016
660	0.011
720	0.023
780	0.059
840	0.027
900	0.026

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.062
120	0.026
180	0.015
240	0.026
300	0.014
360	0.011
420	0.027
480	0.028
540	0.048
600	0.020
660	0.299
720	0.155
780	0.122
840	0.247
900	0.053

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.072
120	0.014
180	0.074
240	0.017

300	0.018
360	0.106
420	0.017
480	0.223
540	0.083
600	0.164
660	0.097
720	0.034
780	0.010
840	0.010
900	0.017

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.271
120	0.014
180	0.022
240	0.031
300	0.027
360	0.037
420	0.063
480	0.060
540	0.020
600	0.213
660	0.031
720	0.047
780	0.009
840	0.015
900	0.014

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.145
120	0.024
180	0.050
240	0.051
300	0.021
360	0.040
420	0.013
480	0.010
540	0.010
600	0.014
660	0.037
720	0.500

780	0.112
840	0.012
900	0.018

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.220
120	0.040
180	0.024
240	0.014
300	0.012
360	0.009
420	0.014
480	0.010
540	0.009
600	0.009
660	0.031
720	0.014
780	0.038
840	0.056
900	0.051

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 11, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	1
Test Abbreviation:	
Start Date:	5/11/2010
Start Time:	7:16:52
Duration (dd:hh:mm:ss):	0:08:41:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	521
Notes:	Upwind

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.017
Minimum:	0.006
Time of Minimum:	8:58:52
Date of Minimum:	5/11/2010
Maximum:	0.244
Time of Maximum:	13:00:52
Date of Maximum:	5/11/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/11/2010	7:17:52	0.014
5/11/2010	7:18:52	0.013
5/11/2010	7:19:52	0.014
5/11/2010	7:20:52	0.015
5/11/2010	7:21:52	0.013
5/11/2010	7:22:52	0.042
5/11/2010	7:23:52	0.021
5/11/2010	7:24:52	0.015
5/11/2010	7:25:52	0.019
5/11/2010	7:26:52	0.014
5/11/2010	7:27:52	0.014
5/11/2010	7:28:52	0.011
5/11/2010	7:29:52	0.012

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5/11/2010	7:30:52	0.011
5/11/2010	7:31:52	0.01
5/11/2010	7:32:52	0.013
5/11/2010	7:33:52	0.013
5/11/2010	7:34:52	0.01
5/11/2010	7:35:52	0.01
5/11/2010	7:36:52	0.013
5/11/2010	7:37:52	0.011
5/11/2010	7:38:52	0.011
5/11/2010	7:39:52	0.012
5/11/2010	7:40:52	0.015
5/11/2010	7:41:52	0.01
5/11/2010	7:42:52	0.01
5/11/2010	7:43:52	0.011
5/11/2010	7:44:52	0.011
5/11/2010	7:45:52	0.012
5/11/2010	7:46:52	0.014
5/11/2010	7:47:52	0.016
5/11/2010	7:48:52	0.017
5/11/2010	7:49:52	0.01
5/11/2010	7:50:52	0.01
5/11/2010	7:51:52	0.01
5/11/2010	7:52:52	0.01
5/11/2010	7:53:52	0.009
5/11/2010	7:54:52	0.009
5/11/2010	7:55:52	0.009
5/11/2010	7:56:52	0.009
5/11/2010	7:57:52	0.009
5/11/2010	7:58:52	0.009
5/11/2010	7:59:52	0.01
5/11/2010	8:00:52	0.008
5/11/2010	8:01:52	0.012
5/11/2010	8:02:52	0.008
5/11/2010	8:03:52	0.01
5/11/2010	8:04:52	0.007
5/11/2010	8:05:52	0.109
5/11/2010	8:06:52	0.008
5/11/2010	8:07:52	0.034
5/11/2010	8:08:52	0.008
5/11/2010	8:09:52	0.008
5/11/2010	8:10:52	0.008
5/11/2010	8:11:52	0.011
5/11/2010	8:12:52	0.012
5/11/2010	8:13:52	0.01

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5/11/2010	8:14:52	0.009
5/11/2010	8:15:52	0.011
5/11/2010	8:16:52	0.017
5/11/2010	8:17:52	0.012
5/11/2010	8:18:52	0.014
5/11/2010	8:19:52	0.013
5/11/2010	8:20:52	0.012
5/11/2010	8:21:52	0.009
5/11/2010	8:22:52	0.008
5/11/2010	8:23:52	0.008
5/11/2010	8:24:52	0.009
5/11/2010	8:25:52	0.009
5/11/2010	8:26:52	0.007
5/11/2010	8:27:52	0.007
5/11/2010	8:28:52	0.007
5/11/2010	8:29:52	0.008
5/11/2010	8:30:52	0.008
5/11/2010	8:31:52	0.01
5/11/2010	8:32:52	0.008
5/11/2010	8:33:52	0.007
5/11/2010	8:34:52	0.009
5/11/2010	8:35:52	0.01
5/11/2010	8:36:52	0.013
5/11/2010	8:37:52	0.031
5/11/2010	8:38:52	0.011
5/11/2010	8:39:52	0.027
5/11/2010	8:40:52	0.009
5/11/2010	8:41:52	0.007
5/11/2010	8:42:52	0.009
5/11/2010	8:43:52	0.008
5/11/2010	8:44:52	0.008
5/11/2010	8:45:52	0.01
5/11/2010	8:46:52	0.015
5/11/2010	8:47:52	0.012
5/11/2010	8:48:52	0.014
5/11/2010	8:49:52	0.013
5/11/2010	8:50:52	0.008
5/11/2010	8:51:52	0.011
5/11/2010	8:52:52	0.012
5/11/2010	8:53:52	0.007
5/11/2010	8:54:52	0.008
5/11/2010	8:55:52	0.007
5/11/2010	8:56:52	0.01
5/11/2010	8:57:52	0.008

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5/11/2010	8:58:52	0.006
5/11/2010	8:59:52	0.009
5/11/2010	9:00:52	0.01
5/11/2010	9:01:52	0.007
5/11/2010	9:02:52	0.008
5/11/2010	9:03:52	0.008
5/11/2010	9:04:52	0.009
5/11/2010	9:05:52	0.039
5/11/2010	9:06:52	0.009
5/11/2010	9:07:52	0.006
5/11/2010	9:08:52	0.009
5/11/2010	9:09:52	0.075
5/11/2010	9:10:52	0.008
5/11/2010	9:11:52	0.007
5/11/2010	9:12:52	0.008
5/11/2010	9:13:52	0.007
5/11/2010	9:14:52	0.008
5/11/2010	9:15:52	0.007
5/11/2010	9:16:52	0.007
5/11/2010	9:17:52	0.009
5/11/2010	9:18:52	0.008
5/11/2010	9:19:52	0.012
5/11/2010	9:20:52	0.012
5/11/2010	9:21:52	0.012
5/11/2010	9:22:52	0.008
5/11/2010	9:23:52	0.01
5/11/2010	9:24:52	0.011
5/11/2010	9:25:52	0.008
5/11/2010	9:26:52	0.008
5/11/2010	9:27:52	0.008
5/11/2010	9:28:52	0.008
5/11/2010	9:29:52	0.008
5/11/2010	9:30:52	0.008
5/11/2010	9:31:52	0.015
5/11/2010	9:32:52	0.009
5/11/2010	9:33:52	0.013
5/11/2010	9:34:52	0.011
5/11/2010	9:35:52	0.011
5/11/2010	9:36:52	0.009
5/11/2010	9:37:52	0.008
5/11/2010	9:38:52	0.01
5/11/2010	9:39:52	0.009
5/11/2010	9:40:52	0.009
5/11/2010	9:41:52	0.008

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5/11/2010	9:42:52	0.011
5/11/2010	9:43:52	0.02
5/11/2010	9:44:52	0.009
5/11/2010	9:45:52	0.009
5/11/2010	9:46:52	0.015
5/11/2010	9:47:52	0.008
5/11/2010	9:48:52	0.008
5/11/2010	9:49:52	0.008
5/11/2010	9:50:52	0.094
5/11/2010	9:51:52	0.149
5/11/2010	9:52:52	0.01
5/11/2010	9:53:52	0.016
5/11/2010	9:54:52	0.009
5/11/2010	9:55:52	0.095
5/11/2010	9:56:52	0.018
5/11/2010	9:57:52	0.066
5/11/2010	9:58:52	0.197
5/11/2010	9:59:52	0.046
5/11/2010	10:00:52	0.027
5/11/2010	10:01:52	0.012
5/11/2010	10:02:52	0.011
5/11/2010	10:03:52	0.012
5/11/2010	10:04:52	0.038
5/11/2010	10:05:52	0.029
5/11/2010	10:06:52	0.04
5/11/2010	10:07:52	0.012
5/11/2010	10:08:52	0.034
5/11/2010	10:09:52	0.076
5/11/2010	10:10:52	0.016
5/11/2010	10:11:52	0.034
5/11/2010	10:12:52	0.018
5/11/2010	10:13:52	0.013
5/11/2010	10:14:52	0.013
5/11/2010	10:15:52	0.016
5/11/2010	10:16:52	0.013
5/11/2010	10:17:52	0.011
5/11/2010	10:18:52	0.011
5/11/2010	10:19:52	0.011
5/11/2010	10:20:52	0.065
5/11/2010	10:21:52	0.047
5/11/2010	10:22:52	0.023
5/11/2010	10:23:52	0.011
5/11/2010	10:24:52	0.017
5/11/2010	10:25:52	0.02

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5/11/2010	10:26:52	0.023
5/11/2010	10:27:52	0.019
5/11/2010	10:28:52	0.038
5/11/2010	10:29:52	0.018
5/11/2010	10:30:52	0.014
5/11/2010	10:31:52	0.01
5/11/2010	10:32:52	0.009
5/11/2010	10:33:52	0.01
5/11/2010	10:34:52	0.009
5/11/2010	10:35:52	0.009
5/11/2010	10:36:52	0.013
5/11/2010	10:37:52	0.012
5/11/2010	10:38:52	0.009
5/11/2010	10:39:52	0.009
5/11/2010	10:40:52	0.031
5/11/2010	10:41:52	0.016
5/11/2010	10:42:52	0.009
5/11/2010	10:43:52	0.008
5/11/2010	10:44:52	0.012
5/11/2010	10:45:52	0.012
5/11/2010	10:46:52	0.016
5/11/2010	10:47:52	0.009
5/11/2010	10:48:52	0.01
5/11/2010	10:49:52	0.008
5/11/2010	10:50:52	0.009
5/11/2010	10:51:52	0.01
5/11/2010	10:52:52	0.009
5/11/2010	10:53:52	0.008
5/11/2010	10:54:52	0.011
5/11/2010	10:55:52	0.011
5/11/2010	10:56:52	0.009
5/11/2010	10:57:52	0.01
5/11/2010	10:58:52	0.009
5/11/2010	10:59:52	0.015
5/11/2010	11:00:52	0.013
5/11/2010	11:01:52	0.009
5/11/2010	11:02:52	0.015
5/11/2010	11:03:52	0.009
5/11/2010	11:04:52	0.014
5/11/2010	11:05:52	0.009
5/11/2010	11:06:52	0.009
5/11/2010	11:07:52	0.009
5/11/2010	11:08:52	0.008
5/11/2010	11:09:52	0.011

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5/11/2010	11:10:52	0.009
5/11/2010	11:11:52	0.011
5/11/2010	11:12:52	0.014
5/11/2010	11:13:52	0.018
5/11/2010	11:14:52	0.012
5/11/2010	11:15:52	0.01
5/11/2010	11:16:52	0.011
5/11/2010	11:17:52	0.018
5/11/2010	11:18:52	0.016
5/11/2010	11:19:52	0.02
5/11/2010	11:20:52	0.009
5/11/2010	11:21:52	0.009
5/11/2010	11:22:52	0.015
5/11/2010	11:23:52	0.013
5/11/2010	11:24:52	0.008
5/11/2010	11:25:52	0.009
5/11/2010	11:26:52	0.009
5/11/2010	11:27:52	0.01
5/11/2010	11:28:52	0.017
5/11/2010	11:29:52	0.016
5/11/2010	11:30:52	0.05
5/11/2010	11:31:52	0.035
5/11/2010	11:32:52	0.012
5/11/2010	11:33:52	0.01
5/11/2010	11:34:52	0.038
5/11/2010	11:35:52	0.042
5/11/2010	11:36:52	0.059
5/11/2010	11:37:52	0.012
5/11/2010	11:38:52	0.009
5/11/2010	11:39:52	0.008
5/11/2010	11:40:52	0.011
5/11/2010	11:41:52	0.012
5/11/2010	11:42:52	0.015
5/11/2010	11:43:52	0.06
5/11/2010	11:44:52	0.028
5/11/2010	11:45:52	0.009
5/11/2010	11:46:52	0.009
5/11/2010	11:47:52	0.014
5/11/2010	11:48:52	0.011
5/11/2010	11:49:52	0.011
5/11/2010	11:50:52	0.012
5/11/2010	11:51:52	0.023
5/11/2010	11:52:52	0.013
5/11/2010	11:53:52	0.012

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5/11/2010	11:54:52	0.014
5/11/2010	11:55:52	0.013
5/11/2010	11:56:52	0.011
5/11/2010	11:57:52	0.013
5/11/2010	11:58:52	0.009
5/11/2010	11:59:52	0.011
5/11/2010	12:00:52	0.012
5/11/2010	12:01:52	0.011
5/11/2010	12:02:52	0.011
5/11/2010	12:03:52	0.011
5/11/2010	12:04:52	0.009
5/11/2010	12:05:52	0.009
5/11/2010	12:06:52	0.009
5/11/2010	12:07:52	0.009
5/11/2010	12:08:52	0.009
5/11/2010	12:09:52	0.012
5/11/2010	12:10:52	0.01
5/11/2010	12:11:52	0.01
5/11/2010	12:12:52	0.009
5/11/2010	12:13:52	0.011
5/11/2010	12:14:52	0.009
5/11/2010	12:15:52	0.009
5/11/2010	12:16:52	0.01
5/11/2010	12:17:52	0.01
5/11/2010	12:18:52	0.008
5/11/2010	12:19:52	0.024
5/11/2010	12:20:52	0.008
5/11/2010	12:21:52	0.008
5/11/2010	12:22:52	0.011
5/11/2010	12:23:52	0.008
5/11/2010	12:24:52	0.017
5/11/2010	12:25:52	0.009
5/11/2010	12:26:52	0.013
5/11/2010	12:27:52	0.009
5/11/2010	12:28:52	0.009
5/11/2010	12:29:52	0.012
5/11/2010	12:30:52	0.008
5/11/2010	12:31:52	0.009
5/11/2010	12:32:52	0.009
5/11/2010	12:33:52	0.01
5/11/2010	12:34:52	0.012
5/11/2010	12:35:52	0.009
5/11/2010	12:36:52	0.01
5/11/2010	12:37:52	0.018

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5/11/2010	12:38:52	0.009
5/11/2010	12:39:52	0.01
5/11/2010	12:40:52	0.01
5/11/2010	12:41:52	0.015
5/11/2010	12:42:52	0.011
5/11/2010	12:43:52	0.01
5/11/2010	12:44:52	0.009
5/11/2010	12:45:52	0.033
5/11/2010	12:46:52	0.023
5/11/2010	12:47:52	0.013
5/11/2010	12:48:52	0.012
5/11/2010	12:49:52	0.01
5/11/2010	12:50:52	0.012
5/11/2010	12:51:52	0.028
5/11/2010	12:52:52	0.014
5/11/2010	12:53:52	0.011
5/11/2010	12:54:52	0.013
5/11/2010	12:55:52	0.011
5/11/2010	12:56:52	0.01
5/11/2010	12:57:52	0.01
5/11/2010	12:58:52	0.021
5/11/2010	12:59:52	0.016
5/11/2010	13:00:52	0.244
5/11/2010	13:01:52	0.013
5/11/2010	13:02:52	0.048
5/11/2010	13:03:52	0.027
5/11/2010	13:04:52	0.016
5/11/2010	13:05:52	0.026
5/11/2010	13:06:52	0.104
5/11/2010	13:07:52	0.012
5/11/2010	13:08:52	0.01
5/11/2010	13:09:52	0.038
5/11/2010	13:10:52	0.02
5/11/2010	13:11:52	0.015
5/11/2010	13:12:52	0.011
5/11/2010	13:13:52	0.015
5/11/2010	13:14:52	0.013
5/11/2010	13:15:52	0.016
5/11/2010	13:16:52	0.015
5/11/2010	13:17:52	0.009
5/11/2010	13:18:52	0.022
5/11/2010	13:19:52	0.013
5/11/2010	13:20:52	0.011
5/11/2010	13:21:52	0.016

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5/11/2010	13:22:52	0.017
5/11/2010	13:23:52	0.041
5/11/2010	13:24:52	0.06
5/11/2010	13:25:52	0.026
5/11/2010	13:26:52	0.026
5/11/2010	13:27:52	0.018
5/11/2010	13:28:52	0.01
5/11/2010	13:29:52	0.019
5/11/2010	13:30:52	0.009
5/11/2010	13:31:52	0.009
5/11/2010	13:32:52	0.008
5/11/2010	13:33:52	0.009
5/11/2010	13:34:52	0.011
5/11/2010	13:35:52	0.017
5/11/2010	13:36:52	0.018
5/11/2010	13:37:52	0.015
5/11/2010	13:38:52	0.012
5/11/2010	13:39:52	0.011
5/11/2010	13:40:52	0.012
5/11/2010	13:41:52	0.02
5/11/2010	13:42:52	0.01
5/11/2010	13:43:52	0.01
5/11/2010	13:44:52	0.042
5/11/2010	13:45:52	0.031
5/11/2010	13:46:52	0.011
5/11/2010	13:47:52	0.01
5/11/2010	13:48:52	0.01
5/11/2010	13:49:52	0.019
5/11/2010	13:50:52	0.017
5/11/2010	13:51:52	0.012
5/11/2010	13:52:52	0.01
5/11/2010	13:53:52	0.013
5/11/2010	13:54:52	0.01
5/11/2010	13:55:52	0.011
5/11/2010	13:56:52	0.016
5/11/2010	13:57:52	0.02
5/11/2010	13:58:52	0.01
5/11/2010	13:59:52	0.011
5/11/2010	14:00:52	0.011
5/11/2010	14:01:52	0.012
5/11/2010	14:02:52	0.012
5/11/2010	14:03:52	0.012
5/11/2010	14:04:52	0.013
5/11/2010	14:05:52	0.013

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5/11/2010	14:06:52	0.014
5/11/2010	14:07:52	0.013
5/11/2010	14:08:52	0.012
5/11/2010	14:09:52	0.014
5/11/2010	14:10:52	0.013
5/11/2010	14:11:52	0.015
5/11/2010	14:12:52	0.014
5/11/2010	14:13:52	0.015
5/11/2010	14:14:52	0.016
5/11/2010	14:15:52	0.022
5/11/2010	14:16:52	0.013
5/11/2010	14:17:52	0.014
5/11/2010	14:18:52	0.017
5/11/2010	14:19:52	0.017
5/11/2010	14:20:52	0.013
5/11/2010	14:21:52	0.021
5/11/2010	14:22:52	0.016
5/11/2010	14:23:52	0.013
5/11/2010	14:24:52	0.013
5/11/2010	14:25:52	0.013
5/11/2010	14:26:52	0.013
5/11/2010	14:27:52	0.013
5/11/2010	14:28:52	0.013
5/11/2010	14:29:52	0.014
5/11/2010	14:30:52	0.012
5/11/2010	14:31:52	0.013
5/11/2010	14:32:52	0.013
5/11/2010	14:33:52	0.014
5/11/2010	14:34:52	0.013
5/11/2010	14:35:52	0.012
5/11/2010	14:36:52	0.012
5/11/2010	14:37:52	0.015
5/11/2010	14:38:52	0.012
5/11/2010	14:39:52	0.013
5/11/2010	14:40:52	0.017
5/11/2010	14:41:52	0.013
5/11/2010	14:42:52	0.014
5/11/2010	14:43:52	0.019
5/11/2010	14:44:52	0.013
5/11/2010	14:45:52	0.013
5/11/2010	14:46:52	0.013
5/11/2010	14:47:52	0.018
5/11/2010	14:48:52	0.012
5/11/2010	14:49:52	0.013

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5/11/2010	14:50:52	0.014
5/11/2010	14:51:52	0.014
5/11/2010	14:52:52	0.014
5/11/2010	14:53:52	0.013
5/11/2010	14:54:52	0.012
5/11/2010	14:55:52	0.012
5/11/2010	14:56:52	0.017
5/11/2010	14:57:52	0.019
5/11/2010	14:58:52	0.013
5/11/2010	14:59:52	0.017
5/11/2010	15:00:52	0.013
5/11/2010	15:01:52	0.018
5/11/2010	15:02:52	0.012
5/11/2010	15:03:52	0.02
5/11/2010	15:04:52	0.04
5/11/2010	15:05:52	0.014
5/11/2010	15:06:52	0.043
5/11/2010	15:07:52	0.242
5/11/2010	15:08:52	0.178
5/11/2010	15:09:52	0.025
5/11/2010	15:10:52	0.019
5/11/2010	15:11:52	0.013
5/11/2010	15:12:52	0.011
5/11/2010	15:13:52	0.012
5/11/2010	15:14:52	0.013
5/11/2010	15:15:52	0.015
5/11/2010	15:16:52	0.088
5/11/2010	15:17:52	0.017
5/11/2010	15:18:52	0.021
5/11/2010	15:19:52	0.016
5/11/2010	15:20:52	0.014
5/11/2010	15:21:52	0.026
5/11/2010	15:22:52	0.013
5/11/2010	15:23:52	0.012
5/11/2010	15:24:52	0.013
5/11/2010	15:25:52	0.013
5/11/2010	15:26:52	0.02
5/11/2010	15:27:52	0.012
5/11/2010	15:28:52	0.013
5/11/2010	15:29:52	0.013
5/11/2010	15:30:52	0.011
5/11/2010	15:31:52	0.013
5/11/2010	15:32:52	0.013
5/11/2010	15:33:52	0.011

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 11, 2010

5/11/2010	15:34:52	0.016
5/11/2010	15:35:52	0.012
5/11/2010	15:36:52	0.013
5/11/2010	15:37:52	0.015
5/11/2010	15:38:52	0.031
5/11/2010	15:39:52	0.013
5/11/2010	15:40:52	0.013
5/11/2010	15:41:52	0.012
5/11/2010	15:42:52	0.013
5/11/2010	15:43:52	0.012
5/11/2010	15:44:52	0.012
5/11/2010	15:45:52	0.013
5/11/2010	15:46:52	0.018
5/11/2010	15:47:52	0.014
5/11/2010	15:48:52	0.013
5/11/2010	15:49:52	0.014
5/11/2010	15:50:52	0.014
5/11/2010	15:51:52	0.017
5/11/2010	15:52:52	0.013
5/11/2010	15:53:52	0.015
5/11/2010	15:54:52	0.014
5/11/2010	15:55:52	0.013
5/11/2010	15:56:52	0.014
5/11/2010	15:57:52	0.015

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 11 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	1
Test Abbreviation:	
Start Date:	5/11/2010
Start Time:	7:35:31
Duration (dd:hh:mm:ss):	0:07:57:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	477
Notes:	Worksite/Near Property

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.015
Minimum:	0.005
Time of Minimum:	9:01:31
Date of Minimum:	5/11/2010
Maximum:	0.551
Time of Maximum:	11:37:31
Date of Maximum:	5/11/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/11/2010	7:36:31	0.035
5/11/2010	7:37:31	0.036
5/11/2010	7:38:31	0.009
5/11/2010	7:39:31	0.009
5/11/2010	7:40:31	0.009
5/11/2010	7:41:31	0.010
5/11/2010	7:42:31	0.067
5/11/2010	7:43:31	0.010
5/11/2010	7:44:31	0.010
5/11/2010	7:45:31	0.009
5/11/2010	7:46:31	0.008
5/11/2010	7:47:31	0.011
5/11/2010	7:48:31	0.052

5/11/2010	7:49:31	0.085
5/11/2010	7:50:31	0.009
5/11/2010	7:51:31	0.009
5/11/2010	7:52:31	0.010
5/11/2010	7:53:31	0.010
5/11/2010	7:54:31	0.008
5/11/2010	7:55:31	0.009
5/11/2010	7:56:31	0.008
5/11/2010	7:57:31	0.012
5/11/2010	7:58:31	0.112
5/11/2010	7:59:31	0.012
5/11/2010	8:00:31	0.007
5/11/2010	8:01:31	0.008
5/11/2010	8:02:31	0.008
5/11/2010	8:03:31	0.017
5/11/2010	8:04:31	0.011
5/11/2010	8:05:31	0.022
5/11/2010	8:06:31	0.019
5/11/2010	8:07:31	0.015
5/11/2010	8:08:31	0.010
5/11/2010	8:09:31	0.019
5/11/2010	8:10:31	0.011
5/11/2010	8:11:31	0.008
5/11/2010	8:12:31	0.019
5/11/2010	8:13:31	0.007
5/11/2010	8:14:31	0.008
5/11/2010	8:15:31	0.008
5/11/2010	8:16:31	0.013
5/11/2010	8:17:31	0.014
5/11/2010	8:18:31	0.007
5/11/2010	8:19:31	0.010
5/11/2010	8:20:31	0.007
5/11/2010	8:21:31	0.009
5/11/2010	8:22:31	0.007
5/11/2010	8:23:31	0.007
5/11/2010	8:24:31	0.007
5/11/2010	8:25:31	0.009
5/11/2010	8:26:31	0.009
5/11/2010	8:27:31	0.009
5/11/2010	8:28:31	0.009
5/11/2010	8:29:31	0.009
5/11/2010	8:30:31	0.009
5/11/2010	8:31:31	0.010
5/11/2010	8:32:31	0.008

5/11/2010	8:33:31	0.008
5/11/2010	8:34:31	0.007
5/11/2010	8:35:31	0.006
5/11/2010	8:36:31	0.007
5/11/2010	8:37:31	0.006
5/11/2010	8:38:31	0.006
5/11/2010	8:39:31	0.006
5/11/2010	8:40:31	0.024
5/11/2010	8:41:31	0.011
5/11/2010	8:42:31	0.007
5/11/2010	8:43:31	0.014
5/11/2010	8:44:31	0.010
5/11/2010	8:45:31	0.007
5/11/2010	8:46:31	0.006
5/11/2010	8:47:31	0.006
5/11/2010	8:48:31	0.006
5/11/2010	8:49:31	0.006
5/11/2010	8:50:31	0.012
5/11/2010	8:51:31	0.009
5/11/2010	8:52:31	0.007
5/11/2010	8:53:31	0.006
5/11/2010	8:54:31	0.011
5/11/2010	8:55:31	0.008
5/11/2010	8:56:31	0.007
5/11/2010	8:57:31	0.006
5/11/2010	8:58:31	0.007
5/11/2010	8:59:31	0.006
5/11/2010	9:00:31	0.006
5/11/2010	9:01:31	0.005
5/11/2010	9:02:31	0.006
5/11/2010	9:03:31	0.007
5/11/2010	9:04:31	0.006
5/11/2010	9:05:31	0.006
5/11/2010	9:06:31	0.007
5/11/2010	9:07:31	0.006
5/11/2010	9:08:31	0.007
5/11/2010	9:09:31	0.006
5/11/2010	9:10:31	0.006
5/11/2010	9:11:31	0.006
5/11/2010	9:12:31	0.006
5/11/2010	9:13:31	0.007
5/11/2010	9:14:31	0.007
5/11/2010	9:15:31	0.007
5/11/2010	9:16:31	0.007

5/11/2010	9:17:31	0.007
5/11/2010	9:18:31	0.007
5/11/2010	9:19:31	0.007
5/11/2010	9:20:31	0.007
5/11/2010	9:21:31	0.008
5/11/2010	9:22:31	0.007
5/11/2010	9:23:31	0.007
5/11/2010	9:24:31	0.007
5/11/2010	9:25:31	0.007
5/11/2010	9:26:31	0.009
5/11/2010	9:27:31	0.024
5/11/2010	9:28:31	0.027
5/11/2010	9:29:31	0.032
5/11/2010	9:30:31	0.016
5/11/2010	9:31:31	0.033
5/11/2010	9:32:31	0.106
5/11/2010	9:33:31	0.015
5/11/2010	9:34:31	0.011
5/11/2010	9:35:31	0.008
5/11/2010	9:36:31	0.008
5/11/2010	9:37:31	0.008
5/11/2010	9:38:31	0.009
5/11/2010	9:39:31	0.009
5/11/2010	9:40:31	0.012
5/11/2010	9:41:31	0.020
5/11/2010	9:42:31	0.009
5/11/2010	9:43:31	0.012
5/11/2010	9:44:31	0.011
5/11/2010	9:45:31	0.010
5/11/2010	9:46:31	0.013
5/11/2010	9:47:31	0.008
5/11/2010	9:48:31	0.008
5/11/2010	9:49:31	0.008
5/11/2010	9:50:31	0.009
5/11/2010	9:51:31	0.009
5/11/2010	9:52:31	0.008
5/11/2010	9:53:31	0.009
5/11/2010	9:54:31	0.009
5/11/2010	9:55:31	0.011
5/11/2010	9:56:31	0.010
5/11/2010	9:57:31	0.009
5/11/2010	9:58:31	0.009
5/11/2010	9:59:31	0.008
5/11/2010	10:00:31	0.009

5/11/2010	10:01:31	0.009
5/11/2010	10:02:31	0.009
5/11/2010	10:03:31	0.009
5/11/2010	10:04:31	0.009
5/11/2010	10:05:31	0.010
5/11/2010	10:06:31	0.009
5/11/2010	10:07:31	0.009
5/11/2010	10:08:31	0.009
5/11/2010	10:09:31	0.010
5/11/2010	10:10:31	0.010
5/11/2010	10:11:31	0.055
5/11/2010	10:12:31	0.012
5/11/2010	10:13:31	0.010
5/11/2010	10:14:31	0.013
5/11/2010	10:15:31	0.010
5/11/2010	10:16:31	0.010
5/11/2010	10:17:31	0.010
5/11/2010	10:18:31	0.010
5/11/2010	10:19:31	0.010
5/11/2010	10:20:31	0.011
5/11/2010	10:21:31	0.037
5/11/2010	10:22:31	0.069
5/11/2010	10:23:31	0.016
5/11/2010	10:24:31	0.010
5/11/2010	10:25:31	0.019
5/11/2010	10:26:31	0.070
5/11/2010	10:27:31	0.027
5/11/2010	10:28:31	0.012
5/11/2010	10:29:31	0.009
5/11/2010	10:30:31	0.010
5/11/2010	10:31:31	0.010
5/11/2010	10:32:31	0.010
5/11/2010	10:33:31	0.010
5/11/2010	10:34:31	0.010
5/11/2010	10:35:31	0.010
5/11/2010	10:36:31	0.010
5/11/2010	10:37:31	0.010
5/11/2010	10:38:31	0.010
5/11/2010	10:39:31	0.010
5/11/2010	10:40:31	0.011
5/11/2010	10:41:31	0.009
5/11/2010	10:42:31	0.009
5/11/2010	10:43:31	0.010
5/11/2010	10:44:31	0.035

5/11/2010	10:45:31	0.041
5/11/2010	10:46:31	0.014
5/11/2010	10:47:31	0.010
5/11/2010	10:48:31	0.010
5/11/2010	10:49:31	0.010
5/11/2010	10:50:31	0.010
5/11/2010	10:51:31	0.009
5/11/2010	10:52:31	0.009
5/11/2010	10:53:31	0.009
5/11/2010	10:54:31	0.011
5/11/2010	10:55:31	0.009
5/11/2010	10:56:31	0.010
5/11/2010	10:57:31	0.010
5/11/2010	10:58:31	0.018
5/11/2010	10:59:31	0.011
5/11/2010	11:00:31	0.010
5/11/2010	11:01:31	0.010
5/11/2010	11:02:31	0.016
5/11/2010	11:03:31	0.013
5/11/2010	11:04:31	0.039
5/11/2010	11:05:31	0.038
5/11/2010	11:06:31	0.013
5/11/2010	11:07:31	0.056
5/11/2010	11:08:31	0.021
5/11/2010	11:09:31	0.017
5/11/2010	11:10:31	0.011
5/11/2010	11:11:31	0.012
5/11/2010	11:12:31	0.009
5/11/2010	11:13:31	0.010
5/11/2010	11:14:31	0.009
5/11/2010	11:15:31	0.009
5/11/2010	11:16:31	0.012
5/11/2010	11:17:31	0.009
5/11/2010	11:18:31	0.011
5/11/2010	11:19:31	0.012
5/11/2010	11:20:31	0.011
5/11/2010	11:21:31	0.016
5/11/2010	11:22:31	0.010
5/11/2010	11:23:31	0.009
5/11/2010	11:24:31	0.009
5/11/2010	11:25:31	0.009
5/11/2010	11:26:31	0.009
5/11/2010	11:27:31	0.010
5/11/2010	11:28:31	0.011

5/11/2010	11:29:31	0.010
5/11/2010	11:30:31	0.010
5/11/2010	11:31:31	0.016
5/11/2010	11:32:31	0.010
5/11/2010	11:33:31	0.009
5/11/2010	11:34:31	0.010
5/11/2010	11:35:31	0.009
5/11/2010	11:36:31	0.036
5/11/2010	11:37:31	0.551
5/11/2010	11:38:31	0.077
5/11/2010	11:39:31	0.034
5/11/2010	11:40:31	0.012
5/11/2010	11:41:31	0.010
5/11/2010	11:42:31	0.013
5/11/2010	11:43:31	0.044
5/11/2010	11:44:31	0.009
5/11/2010	11:45:31	0.009
5/11/2010	11:46:31	0.009
5/11/2010	11:47:31	0.009
5/11/2010	11:48:31	0.009
5/11/2010	11:49:31	0.009
5/11/2010	11:50:31	0.011
5/11/2010	11:51:31	0.010
5/11/2010	11:52:31	0.023
5/11/2010	11:53:31	0.013
5/11/2010	11:54:31	0.009
5/11/2010	11:55:31	0.010
5/11/2010	11:56:31	0.010
5/11/2010	11:57:31	0.011
5/11/2010	11:58:31	0.032
5/11/2010	11:59:31	0.028
5/11/2010	12:00:31	0.012
5/11/2010	12:01:31	0.050
5/11/2010	12:02:31	0.022
5/11/2010	12:03:31	0.010
5/11/2010	12:04:31	0.013
5/11/2010	12:05:31	0.011
5/11/2010	12:06:31	0.010
5/11/2010	12:07:31	0.015
5/11/2010	12:08:31	0.009
5/11/2010	12:09:31	0.009
5/11/2010	12:10:31	0.010
5/11/2010	12:11:31	0.009
5/11/2010	12:12:31	0.009

5/11/2010	12:13:31	0.010
5/11/2010	12:14:31	0.012
5/11/2010	12:15:31	0.011
5/11/2010	12:16:31	0.009
5/11/2010	12:17:31	0.009
5/11/2010	12:18:31	0.009
5/11/2010	12:19:31	0.009
5/11/2010	12:20:31	0.009
5/11/2010	12:21:31	0.008
5/11/2010	12:22:31	0.010
5/11/2010	12:23:31	0.021
5/11/2010	12:24:31	0.019
5/11/2010	12:25:31	0.011
5/11/2010	12:26:31	0.013
5/11/2010	12:27:31	0.010
5/11/2010	12:28:31	0.008
5/11/2010	12:29:31	0.008
5/11/2010	12:30:31	0.008
5/11/2010	12:31:31	0.008
5/11/2010	12:32:31	0.008
5/11/2010	12:33:31	0.009
5/11/2010	12:34:31	0.018
5/11/2010	12:35:31	0.032
5/11/2010	12:36:31	0.011
5/11/2010	12:37:31	0.008
5/11/2010	12:38:31	0.011
5/11/2010	12:39:31	0.021
5/11/2010	12:40:31	0.035
5/11/2010	12:41:31	0.018
5/11/2010	12:42:31	0.010
5/11/2010	12:43:31	0.010
5/11/2010	12:44:31	0.009
5/11/2010	12:45:31	0.008
5/11/2010	12:46:31	0.008
5/11/2010	12:47:31	0.008
5/11/2010	12:48:31	0.011
5/11/2010	12:49:31	0.011
5/11/2010	12:50:31	0.015
5/11/2010	12:51:31	0.011
5/11/2010	12:52:31	0.008
5/11/2010	12:53:31	0.008
5/11/2010	12:54:31	0.008
5/11/2010	12:55:31	0.008
5/11/2010	12:56:31	0.012

5/11/2010	12:57:31	0.018
5/11/2010	12:58:31	0.008
5/11/2010	12:59:31	0.010
5/11/2010	13:00:31	0.008
5/11/2010	13:01:31	0.015
5/11/2010	13:02:31	0.018
5/11/2010	13:03:31	0.010
5/11/2010	13:04:31	0.011
5/11/2010	13:05:31	0.008
5/11/2010	13:06:31	0.011
5/11/2010	13:07:31	0.008
5/11/2010	13:08:31	0.008
5/11/2010	13:09:31	0.046
5/11/2010	13:10:31	0.017
5/11/2010	13:11:31	0.019
5/11/2010	13:12:31	0.010
5/11/2010	13:13:31	0.012
5/11/2010	13:14:31	0.018
5/11/2010	13:15:31	0.111
5/11/2010	13:16:31	0.008
5/11/2010	13:17:31	0.007
5/11/2010	13:18:31	0.008
5/11/2010	13:19:31	0.007
5/11/2010	13:20:31	0.008
5/11/2010	13:21:31	0.008
5/11/2010	13:22:31	0.007
5/11/2010	13:23:31	0.008
5/11/2010	13:24:31	0.013
5/11/2010	13:25:31	0.008
5/11/2010	13:26:31	0.007
5/11/2010	13:27:31	0.007
5/11/2010	13:28:31	0.008
5/11/2010	13:29:31	0.008
5/11/2010	13:30:31	0.008
5/11/2010	13:31:31	0.139
5/11/2010	13:32:31	0.027
5/11/2010	13:33:31	0.008
5/11/2010	13:34:31	0.131
5/11/2010	13:35:31	0.022
5/11/2010	13:36:31	0.022
5/11/2010	13:37:31	0.008
5/11/2010	13:38:31	0.008
5/11/2010	13:39:31	0.009
5/11/2010	13:40:31	0.009

5/11/2010	13:41:31	0.010
5/11/2010	13:42:31	0.008
5/11/2010	13:43:31	0.008
5/11/2010	13:44:31	0.008
5/11/2010	13:45:31	0.008
5/11/2010	13:46:31	0.008
5/11/2010	13:47:31	0.009
5/11/2010	13:48:31	0.022
5/11/2010	13:49:31	0.037
5/11/2010	13:50:31	0.011
5/11/2010	13:51:31	0.012
5/11/2010	13:52:31	0.008
5/11/2010	13:53:31	0.016
5/11/2010	13:54:31	0.017
5/11/2010	13:55:31	0.013
5/11/2010	13:56:31	0.037
5/11/2010	13:57:31	0.014
5/11/2010	13:58:31	0.011
5/11/2010	13:59:31	0.009
5/11/2010	14:00:31	0.008
5/11/2010	14:01:31	0.021
5/11/2010	14:02:31	0.010
5/11/2010	14:03:31	0.011
5/11/2010	14:04:31	0.011
5/11/2010	14:05:31	0.011
5/11/2010	14:06:31	0.012
5/11/2010	14:07:31	0.011
5/11/2010	14:08:31	0.012
5/11/2010	14:09:31	0.011
5/11/2010	14:10:31	0.012
5/11/2010	14:11:31	0.011
5/11/2010	14:12:31	0.011
5/11/2010	14:13:31	0.011
5/11/2010	14:14:31	0.016
5/11/2010	14:15:31	0.012
5/11/2010	14:16:31	0.012
5/11/2010	14:17:31	0.011
5/11/2010	14:18:31	0.012
5/11/2010	14:19:31	0.011
5/11/2010	14:20:31	0.011
5/11/2010	14:21:31	0.013
5/11/2010	14:22:31	0.012
5/11/2010	14:23:31	0.012
5/11/2010	14:24:31	0.011

5/11/2010	14:25:31	0.011
5/11/2010	14:26:31	0.012
5/11/2010	14:27:31	0.012
5/11/2010	14:28:31	0.012
5/11/2010	14:29:31	0.014
5/11/2010	14:30:31	0.012
5/11/2010	14:31:31	0.013
5/11/2010	14:32:31	0.011
5/11/2010	14:33:31	0.013
5/11/2010	14:34:31	0.013
5/11/2010	14:35:31	0.012
5/11/2010	14:36:31	0.011
5/11/2010	14:37:31	0.012
5/11/2010	14:38:31	0.011
5/11/2010	14:39:31	0.012
5/11/2010	14:40:31	0.011
5/11/2010	14:41:31	0.012
5/11/2010	14:42:31	0.012
5/11/2010	14:43:31	0.012
5/11/2010	14:44:31	0.012
5/11/2010	14:45:31	0.012
5/11/2010	14:46:31	0.013
5/11/2010	14:47:31	0.012
5/11/2010	14:48:31	0.013
5/11/2010	14:49:31	0.013
5/11/2010	14:50:31	0.013
5/11/2010	14:51:31	0.013
5/11/2010	14:52:31	0.013
5/11/2010	14:53:31	0.013
5/11/2010	14:54:31	0.016
5/11/2010	14:55:31	0.012
5/11/2010	14:56:31	0.012
5/11/2010	14:57:31	0.013
5/11/2010	14:58:31	0.013
5/11/2010	14:59:31	0.013
5/11/2010	15:00:31	0.012
5/11/2010	15:01:31	0.012
5/11/2010	15:02:31	0.013
5/11/2010	15:03:31	0.012
5/11/2010	15:04:31	0.012
5/11/2010	15:05:31	0.012
5/11/2010	15:06:31	0.012
5/11/2010	15:07:31	0.012
5/11/2010	15:08:31	0.011

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 11 2010

5/11/2010	15:09:31	0.012
5/11/2010	15:10:31	0.012
5/11/2010	15:11:31	0.013
5/11/2010	15:12:31	0.012
5/11/2010	15:13:31	0.012
5/11/2010	15:14:31	0.011
5/11/2010	15:15:31	0.012
5/11/2010	15:16:31	0.012
5/11/2010	15:17:31	0.012
5/11/2010	15:18:31	0.012
5/11/2010	15:19:31	0.012
5/11/2010	15:20:31	0.013
5/11/2010	15:21:31	0.012
5/11/2010	15:22:31	0.012
5/11/2010	15:23:31	0.012
5/11/2010	15:24:31	0.013
5/11/2010	15:25:31	0.012
5/11/2010	15:26:31	0.012
5/11/2010	15:27:31	0.013
5/11/2010	15:28:31	0.013
5/11/2010	15:29:31	0.012
5/11/2010	15:30:31	0.013
5/11/2010	15:31:31	0.012
5/11/2010	15:32:31	0.012

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 11, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_002
Test Start Time	7:26:12 AM
Test Start Date	5/11/2010
Test Length [D:H:M]	0:07:48
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.012
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.047
Mass TWA [mg/m3]	0.012
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	468
Number of STELS	1
STEL Start Time	9:17:24 AM
STEL Start Date	5/11/2010
STEL Average [mg/m3]	0.017
STEL Minimum [mg/m3]	0.009
STEL Maximum [mg/m3]	0.674

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.017		
120	0.017		
180	0.024		
240	0.024		
300	0.015		
360	0.013		
420	0.019		
480	0.045		
540	0.022		
600	0.016		
660	0.021		
720	0.038		
780	0.032		
840	0.042		
900	0.032		
960	0.042		
1020	0.022		

1080	0.042		
1140	0.018		
1200	0.022		
1260	0.015		
1320	0.026		
1380	0.015		
1440	0.015		
1500	0.030		
1560	0.019		
1620	0.022		
1680	0.014		
1740	0.014		
1800	0.014		
1860	0.013		
1920	0.012		
1980	0.011		
2040	0.012		
2100	0.014		
2160	0.016		
2220	0.013		
2280	0.011		
2340	0.015		
2400	0.011		
2460	0.024		
2520	0.012		
2580	0.017		
2640	0.016		
2700	0.023		
2760	0.017		
2820	0.018		
2880	0.013		
2940	0.015		
3000	0.011		
3060	0.013		
3120	0.017		
3180	0.023		
3240	0.014		
3300	0.013		
3360	0.019		
3420	0.021		
3480	0.016		
3540	0.017		
3600	0.018		
3660	0.016		

3720	0.013		
3780	0.016		
3840	0.010		
3900	0.011		
3960	0.011		
4020	0.010		
4080	0.010		
4140	0.035		
4200	0.019		
4260	0.011		
4320	0.013		
4380	0.032		
4440	0.015		
4500	0.025		
4560	0.022		
4620	0.016		
4680	0.017		
4740	0.012		
4800	0.042		
4860	0.025		
4920	0.016		
4980	0.014		
5040	0.014		
5100	0.011		
5160	0.010		
5220	0.012		
5280	0.014		
5340	0.009		
5400	0.010		
5460	0.012		
5520	0.014		
5580	0.011		
5640	0.009		
5700	0.011		
5760	0.010		
5820	0.011		
5880	0.011		
5940	0.010		
6000	0.010		
6060	0.010		
6120	0.011		
6180	0.011		
6240	0.011		
6300	0.011		

6360	0.010		
6420	0.010		
6480	0.010		
6540	0.011		
6600	0.011		
6660	0.010		
6720	0.033	1	
6780	0.010	1	
6840	0.021	1	
6900	0.021	1	
6960	0.018	1	
7020	0.013	1	
7080	0.012	1	
7140	0.012	1	
7200	0.011	1	
7260	0.027	1	
7320	0.026	1	
7380	0.019	1	
7440	0.018	1	
7500	0.011	1	
7560	0.011	1	
7620	0.011	1	
7680	0.012	1	
7740	0.012	1	
7800	0.013	1	
7860	0.019	1	
7920	0.013	1	
7980	0.013	1	
8040	0.013	1	
8100	0.012	1	
8160	0.010	1	
8220	0.010	1	
8280	0.011	1	
8340	0.012	1	
8400	0.010	1	
8460	0.010	1	
8520	0.010	1	
8580	0.010	1	
8640	0.013	1	
8700	0.012	1	
8760	0.011	1	
8820	0.010	1	
8880	0.010	1	
8940	0.010	1	

9000	0.010	1	
9060	0.010	1	
9120	0.010	1	
9180	0.011	1	
9240	0.011	1	
9300	0.010	1	
9360	0.010	1	
9420	0.010	1	
9480	0.010	1	
9540	0.013	1	
9600	0.015	1	
9660	0.012	1	
9720	0.014	1	
9780	0.012	1	
9840	0.012	1	
9900	0.014	1	
9960	0.013	1	
10020	0.010	1	
10080	0.010	1	
10140	0.011	1	
10200	0.011	1	
10260	0.015	1	
10320	0.018	1	
10380	0.018	1	
10440	0.029	1	
10500	0.014	1	
10560	0.029	1	
10620	0.016	1	
10680	0.009	1	
10740	0.017	1	
10800	0.015	1	
10860	0.015	1	
10920	0.014	1	
10980	0.009	1	
11040	0.009	1	
11100	0.009	1	
11160	0.009	1	
11220	0.012	1	
11280	0.012	1	
11340	0.010	1	
11400	0.009	1	
11460	0.008	1	
11520	0.008	1	
11580	0.009	1	

11640	0.009	1	
11700	0.013	1	
11760	0.016	1	
11820	0.012	1	
11880	0.015	1	
11940	0.010	1	
12000	0.009	1	
12060	0.008	1	
12120	0.008	1	
12180	0.008	1	
12240	0.008	1	
12300	0.010	1	
12360	0.008	1	
12420	0.021	1	
12480	0.009	1	
12540	0.008	1	
12600	0.009	1	
12660	0.016	1	
12720	0.009	1	
12780	0.012	1	
12840	0.014	1	
12900	0.008	1	
12960	0.008	1	
13020	0.007	1	
13080	0.007	1	
13140	0.007	1	
13200	0.007	1	
13260	0.008	1	
13320	0.007	1	
13380	0.007	1	
13440	0.006	1	
13500	0.007	1	
13560	0.007	1	
13620	0.008	1	
13680	0.012	1	
13740	0.010	1	
13800	0.013	1	
13860	0.010	1	
13920	0.007	1	
13980	0.007	1	
14040	0.007	1	
14100	0.007	1	
14160	0.007	1	
14220	0.008	1	

14280	0.007	1	
14340	0.007	1	
14400	0.012	1	
14460	0.014	1	
14520	0.007	1	
14580	0.006	1	
14640	0.007	1	
14700	0.007	1	
14760	0.035	1	
14820	0.031	1	
14880	0.016	1	
14940	0.025	1	
15000	0.009	1	
15060	0.007	1	
15120	0.010	1	
15180	0.008	1	
15240	0.007	1	
15300	0.008	1	
15360	0.007	1	
15420	0.007	1	
15480	0.010	1	
15540	0.007	1	
15600	0.007	1	
15660	0.008	1	
15720	0.021	1	
15780	0.007	1	
15840	0.007	1	
15900	0.007	1	
15960	0.011	1	
16020	0.010	1	
16080	0.016	1	
16140	0.013	1	
16200	0.019	1	
16260	0.019	1	
16320	0.008	1	
16380	0.007	1	
16440	0.007	1	
16500	0.007	1	
16560	0.007	1	
16620	0.007	1	
16680	0.007	1	
16740	0.006	1	
16800	0.007	1	
16860	0.006	1	

16920	0.006	1	
16980	0.007	1	
17040	0.008	1	
17100	0.006	1	
17160	0.006	1	
17220	0.006	1	
17280	0.006	1	
17340	0.006	1	
17400	0.006	1	
17460	0.006	1	
17520	0.006	1	
17580	0.006	1	
17640	0.007	1	
17700	0.008	1	
17760	0.007	1	
17820	0.006	1	
17880	0.006	1	
17940	0.005	1	
18000	0.005	1	
18060	0.006	1	
18120	0.005	1	
18180	0.006	1	
18240	0.006	1	
18300	0.009	1	
18360	0.006	1	
18420	0.006	1	
18480	0.007	1	
18540	0.007	1	
18600	0.007	1	
18660	0.007	1	
18720	0.006	1	
18780	0.006	1	
18840	0.006	1	
18900	0.006	1	
18960	0.006	1	
19020	0.007	1	
19080	0.006	1	
19140	0.006	1	
19200	0.007	1	
19260	0.007	1	
19320	0.006	1	
19380	0.006	1	
19440	0.005	1	
19500	0.006	1	

19560	0.006	1	
19620	0.006	1	
19680	0.007	1	
19740	0.007	1	
19800	0.008	1	
19860	0.009	1	
19920	0.008	1	
19980	0.008	1	
20040	0.009	1	
20100	0.006	1	
20160	0.006	1	
20220	0.007	1	
20280	0.028	1	
20340	0.025	1	
20400	0.007	1	
20460	0.007	1	
20520	0.008	1	
20580	0.017	1	
20640	0.047	1	
20700	0.011	1	
20760	0.006	1	
20820	0.012	1	
20880	0.006	1	
20940	0.005	1	
21000	0.006	1	
21060	0.006	1	
21120	0.008	1	
21180	0.038	1	
21240	0.014	1	
21300	0.006	1	
21360	0.007	1	
21420	0.014	1	
21480	0.028	1	
21540	0.007	1	
21600	0.017	1	
21660	0.010	1	
21720	0.006	1	
21780	0.006	1	
21840	0.006	1	
21900	0.007	1	
21960	0.007	1	
22020	0.006	1	
22080	0.007	1	
22140	0.008	1	

22200	0.008	1	
22260	0.008	1	
22320	0.006	1	
22380	0.010	1	
22440	0.009	1	
22500	0.006	1	
22560	0.007	1	
22620	0.008	1	
22680	0.007	1	
22740	0.008	1	
22800	0.008	1	
22860	0.007	1	
22920	0.012	1	
22980	0.016	1	
23040	0.012	1	
23100	0.010	1	
23160	0.011	1	
23220	0.010	1	
23280	0.009	1	
23340	0.007	1	
23400	0.009	1	
23460	0.009	1	
23520	0.011	1	
23580	0.011	1	
23640	0.014	1	
23700	0.011	1	
23760	0.011	1	
23820	0.011	1	
23880	0.011	1	
23940	0.011	1	
24000	0.012	1	
24060	0.012	1	
24120	0.012	1	
24180	0.012	1	
24240	0.012	1	
24300	0.012	1	
24360	0.012	1	
24420	0.011	1	
24480	0.012	1	
24540	0.012	1	
24600	0.012	1	
24660	0.012	1	
24720	0.012	1	
24780	0.011	1	

24840	0.012	1	
24900	0.012	1	
24960	0.012	1	
25020	0.011	1	
25080	0.012	1	
25140	0.012	1	
25200	0.011	1	
25260	0.012	1	
25320	0.012	1	
25380	0.011	1	
25440	0.011	1	
25500	0.011	1	
25560	0.011	1	
25620	0.011	1	
25680	0.011	1	
25740	0.011	1	
25800	0.011	1	
25860	0.011	1	
25920	0.011	1	
25980	0.011	1	
26040	0.011	1	
26100	0.011	1	
26160	0.012	1	2
26220	0.012	1	2
26280	0.012	1	
26340	0.012	1	2
26400	0.011	1	2
26460	0.012	1	
26520	0.012	1	
26580	0.012	1	
26640	0.011	1	
26700	0.012	1	
26760	0.012	1	
26820	0.013	1	2
26880	0.014	1	2
26940	0.011	1	
27000	0.011	1	
27060	0.011	1	
27120	0.011	1	
27180	0.011	1	
27240	0.011	1	2
27300	0.011	1	2
27360	0.011	1	2
27420	0.011	1	

27480	0.010	1	
27540	0.011	1	2
27600	0.010	1	2
27660	0.007	1	2
27720	0.010	1	
27780	0.010	1	
27840	0.010	1	
27900	0.011	1	
27960	0.011	1	
28020	0.011	1	
28080	0.011	1	2

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.032
120	0.010
180	0.024
240	0.020
300	0.016
360	0.013
420	0.012
480	0.012
540	0.013
600	0.031
660	0.021
720	0.020
780	0.016
840	0.011
900	0.011

Former Reliable Truss (246 River Road) Daily Construction/Excavation Monitoring Summary

Date: 5/13/2010

Weather: Low 50s, sunny, slight N->S breeze

Activity: Grubbing near street, soil stabilization mixing (TEI)

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	85202130	0833	0.014	0.007	0.021	Started at ~0758
ON SITE	85202244	0827	0.114	0.010	4.17	Started at ~0750
DOWN WIND	85300952502	0825	0.033	0.019	0.145	Started at ~0745
UPWIND		0904	0.014	0.004	0.043	
ON SITE		0857	0.156	0.007	7.21	High dust due to stabilization mixing
DOWN WIND		0859	0.022	0.003	0.145	Unit had stopped- flow error, started manual_004
UPWIND		0937	0.013	0.004	0.045	
ON SITE		0939	0.127	0.006	7.21	High dust due to stabilization mixing
DOWN WIND		0940	0.008	0.003	0.016	Unit stopped - adjusted flow to 1.7 LPM, started manual_005
UPWIND		1139				No longer recording - started Test 3
ON SITE		1141	0.156	0.006	17.7	High dust due to stabilization mixing
DOWN WIND		1143	0.014	0.005	0.045	Stopped again - starting manual_006
UPWIND		1235	0.014	0.009	0.020	
ON SITE		1243	0.127	0.004	17.7	Stabilization no longer occuring
DOWN WIND		1245	0.006	0.001	0.036	Stopped again - did not restart. Called U.S. Env.
UPWIND		1338	0.017	0.014	0.224	Wind switched direction, moved and starting Test 4
ON SITE		1339	0.109	0.009	17.7	
DOWN WIND						
UPWIND		1430	0.017	0.011	0.094	
ON SITE		1439	0.095	0.004	17.7	
DOWN WIND						
UPWIND		1500	0.019	0.004	0.135	
ON SITE		1508	0.093	0.011	17.7	
DOWN WIND						

NOTES

Downwind unit started stopping every 13 minutes. I called U.S. and they aren't sure what's wrong with the unit. I will try it again tomorrow.

High dust early on associated with stabilization mixing - the stabilization compound is very, very dry (reactive with water) and fine. I instructed operator to take care not to generate too much dust, since it cannot come into contact with water or it will not be efficient at stabilization. The mixing excavator broke down around 1200 and was not fixed by the end of the day.

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	2
Test Abbreviation:	
Start Date:	5/13/2010
Start Time:	7:59:29
Duration (dd:hh:mm:ss):	0:02:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	120
Notes:	Upwind

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.013
Minimum:	0.01
Time of Minimum:	9:31:29
Date of Minimum:	5/13/2010
Maximum:	0.021
Time of Maximum:	9:05:29
Date of Maximum:	5/13/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/13/2010	8:00:29	0.015
5/13/2010	8:01:29	0.015
5/13/2010	8:02:29	0.015
5/13/2010	8:03:29	0.015
5/13/2010	8:04:29	0.015
5/13/2010	8:05:29	0.015
5/13/2010	8:06:29	0.017
5/13/2010	8:07:29	0.015
5/13/2010	8:08:29	0.015
5/13/2010	8:09:29	0.015
5/13/2010	8:10:29	0.015
5/13/2010	8:11:29	0.015
5/13/2010	8:12:29	0.015

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

5/13/2010	8:13:29	0.014
5/13/2010	8:14:29	0.014
5/13/2010	8:15:29	0.014
5/13/2010	8:16:29	0.015
5/13/2010	8:17:29	0.014
5/13/2010	8:18:29	0.014
5/13/2010	8:19:29	0.015
5/13/2010	8:20:29	0.014
5/13/2010	8:21:29	0.014
5/13/2010	8:22:29	0.014
5/13/2010	8:23:29	0.014
5/13/2010	8:24:29	0.014
5/13/2010	8:25:29	0.014
5/13/2010	8:26:29	0.014
5/13/2010	8:27:29	0.014
5/13/2010	8:28:29	0.014
5/13/2010	8:29:29	0.013
5/13/2010	8:30:29	0.013
5/13/2010	8:31:29	0.013
5/13/2010	8:32:29	0.014
5/13/2010	8:33:29	0.014
5/13/2010	8:34:29	0.011
5/13/2010	8:35:29	0.014
5/13/2010	8:36:29	0.014
5/13/2010	8:37:29	0.014
5/13/2010	8:38:29	0.014
5/13/2010	8:39:29	0.013
5/13/2010	8:40:29	0.014
5/13/2010	8:41:29	0.014
5/13/2010	8:42:29	0.013
5/13/2010	8:43:29	0.014
5/13/2010	8:44:29	0.014
5/13/2010	8:45:29	0.013
5/13/2010	8:46:29	0.014
5/13/2010	8:47:29	0.014
5/13/2010	8:48:29	0.014
5/13/2010	8:49:29	0.015
5/13/2010	8:50:29	0.014
5/13/2010	8:51:29	0.014
5/13/2010	8:52:29	0.014
5/13/2010	8:53:29	0.013
5/13/2010	8:54:29	0.014
5/13/2010	8:55:29	0.015
5/13/2010	8:56:29	0.014

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

5/13/2010	8:57:29	0.014
5/13/2010	8:58:29	0.014
5/13/2010	8:59:29	0.014
5/13/2010	9:00:29	0.013
5/13/2010	9:01:29	0.013
5/13/2010	9:02:29	0.014
5/13/2010	9:03:29	0.013
5/13/2010	9:04:29	0.014
5/13/2010	9:05:29	0.021
5/13/2010	9:06:29	0.016
5/13/2010	9:07:29	0.012
5/13/2010	9:08:29	0.013
5/13/2010	9:09:29	0.012
5/13/2010	9:10:29	0.012
5/13/2010	9:11:29	0.012
5/13/2010	9:12:29	0.011
5/13/2010	9:13:29	0.012
5/13/2010	9:14:29	0.011
5/13/2010	9:15:29	0.012
5/13/2010	9:16:29	0.012
5/13/2010	9:17:29	0.012
5/13/2010	9:18:29	0.012
5/13/2010	9:19:29	0.012
5/13/2010	9:20:29	0.011
5/13/2010	9:21:29	0.011
5/13/2010	9:22:29	0.012
5/13/2010	9:23:29	0.012
5/13/2010	9:24:29	0.012
5/13/2010	9:25:29	0.011
5/13/2010	9:26:29	0.012
5/13/2010	9:27:29	0.012
5/13/2010	9:28:29	0.011
5/13/2010	9:29:29	0.011
5/13/2010	9:30:29	0.011
5/13/2010	9:31:29	0.010
5/13/2010	9:32:29	0.011
5/13/2010	9:33:29	0.011
5/13/2010	9:34:29	0.011
5/13/2010	9:35:29	0.011
5/13/2010	9:36:29	0.011
5/13/2010	9:37:29	0.016
5/13/2010	9:38:29	0.010
5/13/2010	9:39:29	0.011
5/13/2010	9:40:29	0.011

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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5/13/2010	9:41:29	0.011
5/13/2010	9:42:29	0.011
5/13/2010	9:43:29	0.011
5/13/2010	9:44:29	0.011
5/13/2010	9:45:29	0.011
5/13/2010	9:46:29	0.011
5/13/2010	9:47:29	0.012
5/13/2010	9:48:29	0.011
5/13/2010	9:49:29	0.011
5/13/2010	9:50:29	0.011
5/13/2010	9:51:29	0.012
5/13/2010	9:52:29	0.011
5/13/2010	9:53:29	0.011
5/13/2010	9:54:29	0.011
5/13/2010	9:55:29	0.011
5/13/2010	9:56:29	0.011
5/13/2010	9:57:29	0.012
5/13/2010	9:58:29	0.012
5/13/2010	9:59:29	0.011

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	3
Test Abbreviation:	
Start Date:	5/13/2010
Start Time:	11:40:03
Duration (dd:hh:mm:ss):	0:02:02:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	122
Notes:	Upwind, new location

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.017
Minimum:	0.013
Time of Minimum:	11:41:03
Date of Minimum:	5/13/2010
Maximum:	0.065
Time of Maximum:	13:32:03
Date of Maximum:	5/13/2010

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

Calibration

Sensor: Aerosol
Cal. date 4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/13/2010	11:41:03	0.013
5/13/2010	11:42:03	0.013
5/13/2010	11:43:03	0.013
5/13/2010	11:44:03	0.013
5/13/2010	11:45:03	0.013
5/13/2010	11:46:03	0.013
5/13/2010	11:47:03	0.014
5/13/2010	11:48:03	0.014
5/13/2010	11:49:03	0.014
5/13/2010	11:50:03	0.014
5/13/2010	11:51:03	0.014
5/13/2010	11:52:03	0.014
5/13/2010	11:53:03	0.014
5/13/2010	11:54:03	0.014
5/13/2010	11:55:03	0.014
5/13/2010	11:56:03	0.014
5/13/2010	11:57:03	0.014
5/13/2010	11:58:03	0.013
5/13/2010	11:59:03	0.014
5/13/2010	12:00:03	0.014
5/13/2010	12:01:03	0.014
5/13/2010	12:02:03	0.014
5/13/2010	12:03:03	0.014
5/13/2010	12:04:03	0.014
5/13/2010	12:05:03	0.013
5/13/2010	12:06:03	0.013
5/13/2010	12:07:03	0.014
5/13/2010	12:08:03	0.013
5/13/2010	12:09:03	0.013
5/13/2010	12:10:03	0.014
5/13/2010	12:11:03	0.013
5/13/2010	12:12:03	0.014
5/13/2010	12:13:03	0.013
5/13/2010	12:14:03	0.013
5/13/2010	12:15:03	0.014
5/13/2010	12:16:03	0.013
5/13/2010	12:17:03	0.014
5/13/2010	12:18:03	0.015

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

5/13/2010	12:19:03	0.014
5/13/2010	12:20:03	0.013
5/13/2010	12:21:03	0.015
5/13/2010	12:22:03	0.014
5/13/2010	12:23:03	0.014
5/13/2010	12:24:03	0.014
5/13/2010	12:25:03	0.014
5/13/2010	12:26:03	0.013
5/13/2010	12:27:03	0.014
5/13/2010	12:28:03	0.014
5/13/2010	12:29:03	0.014
5/13/2010	12:30:03	0.014
5/13/2010	12:31:03	0.013
5/13/2010	12:32:03	0.014
5/13/2010	12:33:03	0.014
5/13/2010	12:34:03	0.014
5/13/2010	12:35:03	0.014
5/13/2010	12:36:03	0.014
5/13/2010	12:37:03	0.014
5/13/2010	12:38:03	0.013
5/13/2010	12:39:03	0.013
5/13/2010	12:40:03	0.014
5/13/2010	12:41:03	0.018
5/13/2010	12:42:03	0.016
5/13/2010	12:43:03	0.027
5/13/2010	12:44:03	0.023
5/13/2010	12:45:03	0.016
5/13/2010	12:46:03	0.014
5/13/2010	12:47:03	0.015
5/13/2010	12:48:03	0.015
5/13/2010	12:49:03	0.015
5/13/2010	12:50:03	0.015
5/13/2010	12:51:03	0.015
5/13/2010	12:52:03	0.014
5/13/2010	12:53:03	0.014
5/13/2010	12:54:03	0.016
5/13/2010	12:55:03	0.026
5/13/2010	12:56:03	0.035
5/13/2010	12:57:03	0.021
5/13/2010	12:58:03	0.021
5/13/2010	12:59:03	0.042
5/13/2010	13:00:03	0.020
5/13/2010	13:01:03	0.028
5/13/2010	13:02:03	0.028

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

5/13/2010	13:03:03	0.020
5/13/2010	13:04:03	0.016
5/13/2010	13:05:03	0.028
5/13/2010	13:06:03	0.025
5/13/2010	13:07:03	0.021
5/13/2010	13:08:03	0.017
5/13/2010	13:09:03	0.020
5/13/2010	13:10:03	0.019
5/13/2010	13:11:03	0.018
5/13/2010	13:12:03	0.017
5/13/2010	13:13:03	0.014
5/13/2010	13:14:03	0.015
5/13/2010	13:15:03	0.014
5/13/2010	13:16:03	0.015
5/13/2010	13:17:03	0.061
5/13/2010	13:18:03	0.019
5/13/2010	13:19:03	0.015
5/13/2010	13:20:03	0.015
5/13/2010	13:21:03	0.014
5/13/2010	13:22:03	0.015
5/13/2010	13:23:03	0.013
5/13/2010	13:24:03	0.019
5/13/2010	13:25:03	0.019
5/13/2010	13:26:03	0.015
5/13/2010	13:27:03	0.016
5/13/2010	13:28:03	0.018
5/13/2010	13:29:03	0.016
5/13/2010	13:30:03	0.014
5/13/2010	13:31:03	0.014
5/13/2010	13:32:03	0.065
5/13/2010	13:33:03	0.014
5/13/2010	13:34:03	0.014
5/13/2010	13:35:03	0.017
5/13/2010	13:36:03	0.016
5/13/2010	13:37:03	0.015
5/13/2010	13:38:03	0.014
5/13/2010	13:39:03	0.017
5/13/2010	13:40:03	0.017
5/13/2010	13:41:03	0.014
5/13/2010	13:42:03	0.014

Model: Dust Trak
Model Number: 8520

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

Serial Number:	85202130
Test ID:	4
Test Abbreviation:	
Start Date:	5/13/2010
Start Time:	13:42:41
Duration (dd:hh:mm:ss):	0:01:17:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	77
Notes:	Upwind, new location

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.019
Minimum:	0.014
Time of Minimum:	13:45:41
Date of Minimum:	5/13/2010
Maximum:	0.05
Time of Maximum:	14:58:41
Date of Maximum:	5/13/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/13/2010	13:43:41	0.015
5/13/2010	13:44:41	0.016
5/13/2010	13:45:41	0.014
5/13/2010	13:46:41	0.014
5/13/2010	13:47:41	0.022
5/13/2010	13:48:41	0.014
5/13/2010	13:49:41	0.016
5/13/2010	13:50:41	0.015
5/13/2010	13:51:41	0.015
5/13/2010	13:52:41	0.015
5/13/2010	13:53:41	0.015
5/13/2010	13:54:41	0.016
5/13/2010	13:55:41	0.016
5/13/2010	13:56:41	0.021
5/13/2010	13:57:41	0.017
5/13/2010	13:58:41	0.016

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

5/13/2010	13:59:41	0.015
5/13/2010	14:00:41	0.015
5/13/2010	14:01:41	0.015
5/13/2010	14:02:41	0.015
5/13/2010	14:03:41	0.015
5/13/2010	14:04:41	0.032
5/13/2010	14:05:41	0.029
5/13/2010	14:06:41	0.016
5/13/2010	14:07:41	0.020
5/13/2010	14:08:41	0.018
5/13/2010	14:09:41	0.018
5/13/2010	14:10:41	0.015
5/13/2010	14:11:41	0.015
5/13/2010	14:12:41	0.015
5/13/2010	14:13:41	0.016
5/13/2010	14:14:41	0.016
5/13/2010	14:15:41	0.015
5/13/2010	14:16:41	0.015
5/13/2010	14:17:41	0.016
5/13/2010	14:18:41	0.017
5/13/2010	14:19:41	0.017
5/13/2010	14:20:41	0.016
5/13/2010	14:21:41	0.016
5/13/2010	14:22:41	0.015
5/13/2010	14:23:41	0.016
5/13/2010	14:24:41	0.017
5/13/2010	14:25:41	0.015
5/13/2010	14:26:41	0.015
5/13/2010	14:27:41	0.018
5/13/2010	14:28:41	0.020
5/13/2010	14:29:41	0.017
5/13/2010	14:30:41	0.015
5/13/2010	14:31:41	0.023
5/13/2010	14:32:41	0.018
5/13/2010	14:33:41	0.017
5/13/2010	14:34:41	0.019
5/13/2010	14:35:41	0.019
5/13/2010	14:36:41	0.018
5/13/2010	14:37:41	0.018
5/13/2010	14:38:41	0.017
5/13/2010	14:39:41	0.016
5/13/2010	14:40:41	0.033
5/13/2010	14:41:41	0.018
5/13/2010	14:42:41	0.024

Dust Monitoring Data - Upwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

5/13/2010	14:43:41	0.039
5/13/2010	14:44:41	0.026
5/13/2010	14:45:41	0.022
5/13/2010	14:46:41	0.020
5/13/2010	14:47:41	0.020
5/13/2010	14:48:41	0.019
5/13/2010	14:49:41	0.022
5/13/2010	14:50:41	0.028
5/13/2010	14:51:41	0.027
5/13/2010	14:52:41	0.030
5/13/2010	14:53:41	0.021
5/13/2010	14:54:41	0.020
5/13/2010	14:55:41	0.020
5/13/2010	14:56:41	0.019
5/13/2010	14:57:41	0.027
5/13/2010	14:58:41	0.050
5/13/2010	14:59:41	0.023

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	2
Test Abbreviation:	
Start Date:	5/13/2010
Start Time:	7:53:59
Duration (dd:hh:mm:ss):	0:07:17:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	437
Notes:	Worksite/Near Property

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.093
Minimum:	0.006
Time of Minimum:	12:38:59
Date of Minimum:	5/13/2010
Maximum:	4.253
Time of Maximum:	10:04:59
Date of Maximum:	5/13/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/13/2010	7:54:59	0.022
5/13/2010	7:55:59	0.019
5/13/2010	7:56:59	0.032
5/13/2010	7:57:59	0.027
5/13/2010	7:58:59	0.024
5/13/2010	7:59:59	0.017
5/13/2010	8:00:59	0.599
5/13/2010	8:01:59	0.763
5/13/2010	8:02:59	0.048
5/13/2010	8:03:59	0.019
5/13/2010	8:04:59	0.037
5/13/2010	8:05:59	0.020
5/13/2010	8:06:59	0.017

5/13/2010	8:07:59	0.020
5/13/2010	8:08:59	0.024
5/13/2010	8:09:59	0.020
5/13/2010	8:10:59	0.019
5/13/2010	8:11:59	0.019
5/13/2010	8:12:59	0.016
5/13/2010	8:13:59	0.024
5/13/2010	8:14:59	0.037
5/13/2010	8:15:59	0.046
5/13/2010	8:16:59	0.052
5/13/2010	8:17:59	0.060
5/13/2010	8:18:59	0.039
5/13/2010	8:19:59	0.178
5/13/2010	8:20:59	0.854
5/13/2010	8:21:59	0.190
5/13/2010	8:22:59	0.696
5/13/2010	8:23:59	0.045
5/13/2010	8:24:59	0.017
5/13/2010	8:25:59	0.014
5/13/2010	8:26:59	0.012
5/13/2010	8:27:59	0.016
5/13/2010	8:28:59	0.022
5/13/2010	8:29:59	0.023
5/13/2010	8:30:59	0.026
5/13/2010	8:31:59	0.016
5/13/2010	8:32:59	0.028
5/13/2010	8:33:59	0.015
5/13/2010	8:34:59	0.013
5/13/2010	8:35:59	0.020
5/13/2010	8:36:59	0.011
5/13/2010	8:37:59	0.016
5/13/2010	8:38:59	0.012
5/13/2010	8:39:59	0.026
5/13/2010	8:40:59	0.016
5/13/2010	8:41:59	0.012
5/13/2010	8:42:59	0.011
5/13/2010	8:43:59	0.011
5/13/2010	8:44:59	0.013
5/13/2010	8:45:59	0.047
5/13/2010	8:46:59	0.013
5/13/2010	8:47:59	2.740
5/13/2010	8:48:59	1.267
5/13/2010	8:49:59	0.322
5/13/2010	8:50:59	0.605

5/13/2010	8:51:59	0.294
5/13/2010	8:52:59	0.091
5/13/2010	8:53:59	0.123
5/13/2010	8:54:59	0.104
5/13/2010	8:55:59	0.198
5/13/2010	8:56:59	0.083
5/13/2010	8:57:59	0.019
5/13/2010	8:58:59	0.025
5/13/2010	8:59:59	0.028
5/13/2010	9:00:59	0.087
5/13/2010	9:01:59	0.021
5/13/2010	9:02:59	0.012
5/13/2010	9:03:59	0.015
5/13/2010	9:04:59	0.011
5/13/2010	9:05:59	0.021
5/13/2010	9:06:59	0.048
5/13/2010	9:07:59	0.331
5/13/2010	9:08:59	0.021
5/13/2010	9:09:59	0.068
5/13/2010	9:10:59	0.045
5/13/2010	9:11:59	0.013
5/13/2010	9:12:59	0.012
5/13/2010	9:13:59	0.014
5/13/2010	9:14:59	0.098
5/13/2010	9:15:59	0.031
5/13/2010	9:16:59	0.030
5/13/2010	9:17:59	0.016
5/13/2010	9:18:59	0.055
5/13/2010	9:19:59	1.546
5/13/2010	9:20:59	0.101
5/13/2010	9:21:59	0.049
5/13/2010	9:22:59	0.013
5/13/2010	9:23:59	0.309
5/13/2010	9:24:59	0.120
5/13/2010	9:25:59	0.010
5/13/2010	9:26:59	0.010
5/13/2010	9:27:59	0.012
5/13/2010	9:28:59	0.016
5/13/2010	9:29:59	0.012
5/13/2010	9:30:59	0.008
5/13/2010	9:31:59	0.021
5/13/2010	9:32:59	0.058
5/13/2010	9:33:59	0.016
5/13/2010	9:34:59	0.012

5/13/2010	9:35:59	0.010
5/13/2010	9:36:59	0.019
5/13/2010	9:37:59	0.017
5/13/2010	9:38:59	0.013
5/13/2010	9:39:59	0.020
5/13/2010	9:40:59	0.011
5/13/2010	9:41:59	0.073
5/13/2010	9:42:59	0.012
5/13/2010	9:43:59	0.010
5/13/2010	9:44:59	0.028
5/13/2010	9:45:59	0.012
5/13/2010	9:46:59	0.009
5/13/2010	9:47:59	0.009
5/13/2010	9:48:59	0.008
5/13/2010	9:49:59	0.011
5/13/2010	9:50:59	0.026
5/13/2010	9:51:59	0.042
5/13/2010	9:52:59	0.025
5/13/2010	9:53:59	0.013
5/13/2010	9:54:59	0.586
5/13/2010	9:55:59	0.847
5/13/2010	9:56:59	2.275
5/13/2010	9:57:59	1.181
5/13/2010	9:58:59	0.279
5/13/2010	9:59:59	0.046
5/13/2010	10:00:59	0.069
5/13/2010	10:01:59	1.053
5/13/2010	10:02:59	0.030
5/13/2010	10:03:59	0.460
5/13/2010	10:04:59	4.253
5/13/2010	10:05:59	0.899
5/13/2010	10:06:59	0.033
5/13/2010	10:07:59	0.019
5/13/2010	10:08:59	0.011
5/13/2010	10:09:59	0.008
5/13/2010	10:10:59	0.034
5/13/2010	10:11:59	0.204
5/13/2010	10:12:59	0.045
5/13/2010	10:13:59	0.099
5/13/2010	10:14:59	1.244
5/13/2010	10:15:59	0.080
5/13/2010	10:16:59	0.279
5/13/2010	10:17:59	0.046
5/13/2010	10:18:59	0.027

5/13/2010	10:19:59	0.029
5/13/2010	10:20:59	0.015
5/13/2010	10:21:59	0.024
5/13/2010	10:22:59	0.011
5/13/2010	10:23:59	0.064
5/13/2010	10:24:59	0.448
5/13/2010	10:25:59	0.235
5/13/2010	10:26:59	0.437
5/13/2010	10:27:59	0.440
5/13/2010	10:28:59	0.137
5/13/2010	10:29:59	0.091
5/13/2010	10:30:59	0.042
5/13/2010	10:31:59	0.017
5/13/2010	10:32:59	0.021
5/13/2010	10:33:59	0.093
5/13/2010	10:34:59	0.264
5/13/2010	10:35:59	0.168
5/13/2010	10:36:59	0.034
5/13/2010	10:37:59	0.089
5/13/2010	10:38:59	1.990
5/13/2010	10:39:59	0.075
5/13/2010	10:40:59	0.097
5/13/2010	10:41:59	0.119
5/13/2010	10:42:59	0.012
5/13/2010	10:43:59	0.036
5/13/2010	10:44:59	0.009
5/13/2010	10:45:59	0.018
5/13/2010	10:46:59	0.011
5/13/2010	10:47:59	0.009
5/13/2010	10:48:59	0.009
5/13/2010	10:49:59	0.011
5/13/2010	10:50:59	0.010
5/13/2010	10:51:59	0.011
5/13/2010	10:52:59	0.019
5/13/2010	10:53:59	0.028
5/13/2010	10:54:59	0.074
5/13/2010	10:55:59	0.264
5/13/2010	10:56:59	0.012
5/13/2010	10:57:59	0.013
5/13/2010	10:58:59	0.009
5/13/2010	10:59:59	0.012
5/13/2010	11:00:59	0.014
5/13/2010	11:01:59	0.010
5/13/2010	11:02:59	0.046

5/13/2010	11:03:59	0.011
5/13/2010	11:04:59	0.013
5/13/2010	11:05:59	0.021
5/13/2010	11:06:59	0.018
5/13/2010	11:07:59	0.012
5/13/2010	11:08:59	0.021
5/13/2010	11:09:59	0.041
5/13/2010	11:10:59	0.018
5/13/2010	11:11:59	0.021
5/13/2010	11:12:59	0.030
5/13/2010	11:13:59	0.015
5/13/2010	11:14:59	0.036
5/13/2010	11:15:59	0.018
5/13/2010	11:16:59	0.044
5/13/2010	11:17:59	0.094
5/13/2010	11:18:59	1.213
5/13/2010	11:19:59	0.057
5/13/2010	11:20:59	0.013
5/13/2010	11:21:59	0.043
5/13/2010	11:22:59	0.031
5/13/2010	11:23:59	0.012
5/13/2010	11:24:59	0.010
5/13/2010	11:25:59	0.015
5/13/2010	11:26:59	0.010
5/13/2010	11:27:59	0.009
5/13/2010	11:28:59	0.014
5/13/2010	11:29:59	0.009
5/13/2010	11:30:59	0.067
5/13/2010	11:31:59	0.011
5/13/2010	11:32:59	0.057
5/13/2010	11:33:59	0.025
5/13/2010	11:34:59	0.011
5/13/2010	11:35:59	0.025
5/13/2010	11:36:59	0.014
5/13/2010	11:37:59	0.021
5/13/2010	11:38:59	0.071
5/13/2010	11:39:59	0.020
5/13/2010	11:40:59	0.012
5/13/2010	11:41:59	0.011
5/13/2010	11:42:59	0.020
5/13/2010	11:43:59	0.048
5/13/2010	11:44:59	0.022
5/13/2010	11:45:59	0.011
5/13/2010	11:46:59	0.028

5/13/2010	11:47:59	0.015
5/13/2010	11:48:59	0.014
5/13/2010	11:49:59	0.016
5/13/2010	11:50:59	0.019
5/13/2010	11:51:59	0.009
5/13/2010	11:52:59	0.011
5/13/2010	11:53:59	0.009
5/13/2010	11:54:59	0.016
5/13/2010	11:55:59	0.009
5/13/2010	11:56:59	0.009
5/13/2010	11:57:59	0.008
5/13/2010	11:58:59	0.035
5/13/2010	11:59:59	0.161
5/13/2010	12:00:59	0.054
5/13/2010	12:01:59	0.190
5/13/2010	12:02:59	0.012
5/13/2010	12:03:59	0.008
5/13/2010	12:04:59	0.009
5/13/2010	12:05:59	0.008
5/13/2010	12:06:59	0.009
5/13/2010	12:07:59	0.008
5/13/2010	12:08:59	0.008
5/13/2010	12:09:59	0.008
5/13/2010	12:10:59	0.007
5/13/2010	12:11:59	0.007
5/13/2010	12:12:59	0.007
5/13/2010	12:13:59	0.007
5/13/2010	12:14:59	0.008
5/13/2010	12:15:59	0.007
5/13/2010	12:16:59	0.010
5/13/2010	12:17:59	0.008
5/13/2010	12:18:59	0.010
5/13/2010	12:19:59	0.008
5/13/2010	12:20:59	0.008
5/13/2010	12:21:59	0.008
5/13/2010	12:22:59	0.007
5/13/2010	12:23:59	0.007
5/13/2010	12:24:59	0.007
5/13/2010	12:25:59	0.007
5/13/2010	12:26:59	0.007
5/13/2010	12:27:59	0.008
5/13/2010	12:28:59	0.007
5/13/2010	12:29:59	0.007
5/13/2010	12:30:59	0.007

5/13/2010	12:31:59	0.007
5/13/2010	12:32:59	0.007
5/13/2010	12:33:59	0.007
5/13/2010	12:34:59	0.008
5/13/2010	12:35:59	0.009
5/13/2010	12:36:59	0.009
5/13/2010	12:37:59	0.007
5/13/2010	12:38:59	0.006
5/13/2010	12:39:59	0.137
5/13/2010	12:40:59	0.022
5/13/2010	12:41:59	0.012
5/13/2010	12:42:59	0.011
5/13/2010	12:43:59	0.016
5/13/2010	12:44:59	0.011
5/13/2010	12:45:59	0.049
5/13/2010	12:46:59	0.023
5/13/2010	12:47:59	0.010
5/13/2010	12:48:59	0.009
5/13/2010	12:49:59	0.013
5/13/2010	12:50:59	0.009
5/13/2010	12:51:59	0.028
5/13/2010	12:52:59	0.016
5/13/2010	12:53:59	0.008
5/13/2010	12:54:59	0.009
5/13/2010	12:55:59	0.009
5/13/2010	12:56:59	0.024
5/13/2010	12:57:59	0.009
5/13/2010	12:58:59	0.009
5/13/2010	12:59:59	0.012
5/13/2010	13:00:59	0.009
5/13/2010	13:01:59	0.008
5/13/2010	13:02:59	0.011
5/13/2010	13:03:59	0.009
5/13/2010	13:04:59	0.011
5/13/2010	13:05:59	0.012
5/13/2010	13:06:59	0.009
5/13/2010	13:07:59	0.017
5/13/2010	13:08:59	0.009
5/13/2010	13:09:59	0.010
5/13/2010	13:10:59	0.013
5/13/2010	13:11:59	0.010
5/13/2010	13:12:59	0.009
5/13/2010	13:13:59	0.010
5/13/2010	13:14:59	0.008

5/13/2010	13:15:59	0.015
5/13/2010	13:16:59	0.013
5/13/2010	13:17:59	0.010
5/13/2010	13:18:59	0.025
5/13/2010	13:19:59	0.023
5/13/2010	13:20:59	0.008
5/13/2010	13:21:59	0.009
5/13/2010	13:22:59	0.010
5/13/2010	13:23:59	0.011
5/13/2010	13:24:59	0.012
5/13/2010	13:25:59	0.013
5/13/2010	13:26:59	0.040
5/13/2010	13:27:59	0.010
5/13/2010	13:28:59	0.009
5/13/2010	13:29:59	0.008
5/13/2010	13:30:59	0.008
5/13/2010	13:31:59	0.008
5/13/2010	13:32:59	0.009
5/13/2010	13:33:59	0.012
5/13/2010	13:34:59	0.011
5/13/2010	13:35:59	0.229
5/13/2010	13:36:59	0.008
5/13/2010	13:37:59	0.011
5/13/2010	13:38:59	0.009
5/13/2010	13:39:59	0.014
5/13/2010	13:40:59	0.020
5/13/2010	13:41:59	0.035
5/13/2010	13:42:59	0.066
5/13/2010	13:43:59	0.011
5/13/2010	13:44:59	0.011
5/13/2010	13:45:59	0.008
5/13/2010	13:46:59	0.011
5/13/2010	13:47:59	0.010
5/13/2010	13:48:59	0.010
5/13/2010	13:49:59	0.009
5/13/2010	13:50:59	0.009
5/13/2010	13:51:59	0.008
5/13/2010	13:52:59	0.010
5/13/2010	13:53:59	0.010
5/13/2010	13:54:59	0.009
5/13/2010	13:55:59	0.009
5/13/2010	13:56:59	0.010
5/13/2010	13:57:59	0.018
5/13/2010	13:58:59	0.015

5/13/2010	13:59:59	0.030
5/13/2010	14:00:59	0.011
5/13/2010	14:01:59	0.011
5/13/2010	14:02:59	0.022
5/13/2010	14:03:59	0.048
5/13/2010	14:04:59	0.020
5/13/2010	14:05:59	0.012
5/13/2010	14:06:59	0.016
5/13/2010	14:07:59	0.012
5/13/2010	14:08:59	0.011
5/13/2010	14:09:59	0.019
5/13/2010	14:10:59	0.017
5/13/2010	14:11:59	0.012
5/13/2010	14:12:59	0.009
5/13/2010	14:13:59	0.010
5/13/2010	14:14:59	0.014
5/13/2010	14:15:59	0.010
5/13/2010	14:16:59	0.011
5/13/2010	14:17:59	0.009
5/13/2010	14:18:59	0.012
5/13/2010	14:19:59	0.013
5/13/2010	14:20:59	0.010
5/13/2010	14:21:59	0.016
5/13/2010	14:22:59	0.010
5/13/2010	14:23:59	0.045
5/13/2010	14:24:59	0.014
5/13/2010	14:25:59	0.013
5/13/2010	14:26:59	0.010
5/13/2010	14:27:59	0.024
5/13/2010	14:28:59	0.011
5/13/2010	14:29:59	0.011
5/13/2010	14:30:59	0.012
5/13/2010	14:31:59	0.012
5/13/2010	14:32:59	0.017
5/13/2010	14:33:59	0.012
5/13/2010	14:34:59	0.011
5/13/2010	14:35:59	0.011
5/13/2010	14:36:59	0.013
5/13/2010	14:37:59	0.013
5/13/2010	14:38:59	0.022
5/13/2010	14:39:59	0.017
5/13/2010	14:40:59	0.013
5/13/2010	14:41:59	0.013
5/13/2010	14:42:59	0.197

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

5/13/2010	14:43:59	0.018
5/13/2010	14:44:59	0.017
5/13/2010	14:45:59	0.015
5/13/2010	14:46:59	0.015
5/13/2010	14:47:59	0.174
5/13/2010	14:48:59	0.653
5/13/2010	14:49:59	0.166
5/13/2010	14:50:59	0.013
5/13/2010	14:51:59	0.023
5/13/2010	14:52:59	0.025
5/13/2010	14:53:59	0.017
5/13/2010	14:54:59	0.014
5/13/2010	14:55:59	0.018
5/13/2010	14:56:59	0.033
5/13/2010	14:57:59	0.020
5/13/2010	14:58:59	0.015
5/13/2010	14:59:59	0.066
5/13/2010	15:00:59	0.020
5/13/2010	15:01:59	0.013
5/13/2010	15:02:59	0.013
5/13/2010	15:03:59	0.013
5/13/2010	15:04:59	0.019
5/13/2010	15:05:59	0.014
5/13/2010	15:06:59	0.016
5/13/2010	15:07:59	0.055
5/13/2010	15:08:59	0.016
5/13/2010	15:09:59	0.017
5/13/2010	15:10:59	0.014

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_003
Test Start Time	7:44:23 AM
Test Start Date	5/13/2010
Test Length [D:H:M]	0:01:12
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.022
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.145
Mass TWA [mg/m3]	0.003
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	72
Number of STELS	1
STEL Start Time	8:14:51 AM
STEL Start Date	5/13/2010
STEL Average [mg/m3]	0.025
STEL Minimum [mg/m3]	0.002
STEL Maximum [mg/m3]	0.531

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.028		
120	0.036		
180	0.031		
240	0.036		
300	0.049		
360	0.031		
420	0.027		
480	0.023		
540	0.032		
600	0.027		
660	0.026		
720	0.039		
780	0.057		
840	0.022		
900	0.025		
960	0.031		
1020	0.036		

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

1080	0.037		
1140	0.022		
1200	0.030		
1260	0.022		
1320	0.026		
1380	0.032		
1440	0.023		
1500	0.021		
1560	0.033		
1620	0.024		
1680	0.021		
1740	0.029		
1800	0.020		
1860	0.145	1	
1920	0.027	1	
1980	0.027	1	
2040	0.034	1	
2100	0.019	1	
2160	0.025	1	
2220	0.036	1	
2280	0.020	1	
2340	0.013	1	
2400	0.010	1	
2460	0.011	1	
2520	0.011	1	
2580	0.008	1	
2640	0.007	1	
2700	0.008	1	
2760	0.017	1	
2820	0.009	1	
2880	0.008	1	
2940	0.008	1	
3000	0.006	1	
3060	0.004	1	
3120	0.004	1	
3180	0.006	1	2
3240	0.004	1	
3300	0.003	1	
3360	0.020	1	2
3420	0.027	1	
3480	0.004	1	2
3540	0.010	1	
3600	0.011	1	2
3660	0.032	1	2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

3720	0.022	1	2
3780	0.005	1	2
3840	0.012	1	2
3900	0.037	1	2
3960	0.011	1	2
4020	0.005	1	2
4080	0.004	1	2
4140	0.004	1	2
4200	0.011	1	2
4260	0.016	1	2
4320	0.017	1	2

STEL Data

Elapsed Time [s]	Mass [mg/m3]
60	0.130
120	0.025
180	0.026
240	0.029
300	0.022
360	0.032
420	0.023
480	0.021
540	0.011
600	0.009
660	0.013
720	0.010
780	0.007
840	0.007
900	0.015

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_004
Test Start Time	8:57:36 AM
Test Start Date	5/13/2010
Test Length [D:H:M]	0:00:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.008
Mass Minimum [mg/m3]	0.003
Mass Maximum [mg/m3]	0.016
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.008		2
120	0.007		2
180	0.016		2
240	0.016		2
300	0.012		2
360	0.007		2
420	0.008		2
480	0.004		2
540	0.003		2
600	0.007		2
660	0.006		2
720	0.009		2
780	0.004		2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_005
Test Start Time	9:40:10 AM
Test Start Date	5/13/2010
Test Length [D:H:M]	0:00:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.014
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.045
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.005		2
120	0.006		2
180	0.012		2
240	0.007		2
300	0.013		2
360	0.011		2
420	0.013		2
480	0.005		2
540	0.007		2
600	0.045		2
660	0.024		2
720	0.008		2
780	0.022		2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 13, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_006
Test Start Time	11:46:07 AM
Test Start Date	5/13/2010
Test Length [D:H:M]	0:00:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.006
Mass Minimum [mg/m3]	0.001
Mass Maximum [mg/m3]	0.036
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.003		2
120	0.003		2
180	0.003		2
240	0.001		2
300	0.004		2
360	0.036		2
420	0.016		2
480	0.003		2
540	0.002		2
600	0.001		2
660	0.001		2
720	0.003		2
780	0.001		2

Former Reliable Truss (246 River Road) Daily Construction/Excavation Monitoring Summary

Date: 5/14/2010

Weather: 50s, SW->NW breeze, drizzly at times

Activity: Excavation of 3A/2A, backfilling of 3A, stockpile stabilization

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	85202130	0923	0.021	0.013	1.00	Started at ~0750
ON SITE	85202244	0926	0.016	0.012	0.043	Started at ~0738
DOWN WIND	85300952502					Started at ~0805
UPWIND		1200	0.025	0.013	1.00	
ON SITE		1202	0.023	0.011	0.221	
DOWN WIND						Unit had stopped - started manual_008
UPWIND		1336	0.030	0.013	1.00	
ON SITE		1338	0.027	0.011	0.283	
DOWN WIND						Unit had stopped - not restarting unit
UPWIND		1524	0.034	0.013	1.02	
ON SITE		1522	0.031	0.011	0.283	
DOWN WIND						
UPWIND						Units stopped at about 1515
ON SITE						Units stopped at about 1515
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						

NOTES

Downwind unit still not logging more than 13 minutes at a time, even after some maintanence. I am dropping unit off at U.S. on my way home.

Had trouble starting the upwind unit - had continual "error 6" warnings on startup. Eventually it powered up.

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TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	5
Test Abbreviation:	
Start Date:	5/14/2010
Start Time:	7:57:32
Duration (dd:hh:mm:ss):	0:07:28:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	448
Notes:	Upwind

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.034
Minimum:	0.014
Time of Minimum:	7:58:32
Date of Minimum:	5/14/2010
Maximum:	0.244
Time of Maximum:	14:51:32
Date of Maximum:	5/14/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/14/2010	7:58:32	0.014
5/14/2010	7:59:32	0.014
5/14/2010	8:00:32	0.014
5/14/2010	8:01:32	0.014
5/14/2010	8:02:32	0.014
5/14/2010	8:03:32	0.015
5/14/2010	8:04:32	0.016
5/14/2010	8:05:32	0.015
5/14/2010	8:06:32	0.014
5/14/2010	8:07:32	0.016
5/14/2010	8:08:32	0.015
5/14/2010	8:09:32	0.017
5/14/2010	8:10:32	0.017

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5/14/2010	8:11:32	0.014
5/14/2010	8:12:32	0.016
5/14/2010	8:13:32	0.016
5/14/2010	8:14:32	0.015
5/14/2010	8:15:32	0.016
5/14/2010	8:16:32	0.015
5/14/2010	8:17:32	0.015
5/14/2010	8:18:32	0.015
5/14/2010	8:19:32	0.015
5/14/2010	8:20:32	0.016
5/14/2010	8:21:32	0.016
5/14/2010	8:22:32	0.016
5/14/2010	8:23:32	0.015
5/14/2010	8:24:32	0.015
5/14/2010	8:25:32	0.015
5/14/2010	8:26:32	0.019
5/14/2010	8:27:32	0.016
5/14/2010	8:28:32	0.016
5/14/2010	8:29:32	0.015
5/14/2010	8:30:32	0.015
5/14/2010	8:31:32	0.016
5/14/2010	8:32:32	0.015
5/14/2010	8:33:32	0.015
5/14/2010	8:34:32	0.015
5/14/2010	8:35:32	0.015
5/14/2010	8:36:32	0.015
5/14/2010	8:37:32	0.015
5/14/2010	8:38:32	0.015
5/14/2010	8:39:32	0.015
5/14/2010	8:40:32	0.016
5/14/2010	8:41:32	0.015
5/14/2010	8:42:32	0.015
5/14/2010	8:43:32	0.015
5/14/2010	8:44:32	0.015
5/14/2010	8:45:32	0.015
5/14/2010	8:46:32	0.028
5/14/2010	8:47:32	0.036
5/14/2010	8:48:32	0.030
5/14/2010	8:49:32	0.026
5/14/2010	8:50:32	0.025
5/14/2010	8:51:32	0.026
5/14/2010	8:52:32	0.072
5/14/2010	8:53:32	0.044
5/14/2010	8:54:32	0.033

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5/14/2010	8:55:32	0.076
5/14/2010	8:56:32	0.201
5/14/2010	8:57:32	0.019
5/14/2010	8:58:32	0.017
5/14/2010	8:59:32	0.036
5/14/2010	9:00:32	0.017
5/14/2010	9:01:32	0.017
5/14/2010	9:02:32	0.017
5/14/2010	9:03:32	0.017
5/14/2010	9:04:32	0.017
5/14/2010	9:05:32	0.018
5/14/2010	9:06:32	0.019
5/14/2010	9:07:32	0.017
5/14/2010	9:08:32	0.017
5/14/2010	9:09:32	0.017
5/14/2010	9:10:32	0.017
5/14/2010	9:11:32	0.021
5/14/2010	9:12:32	0.017
5/14/2010	9:13:32	0.017
5/14/2010	9:14:32	0.018
5/14/2010	9:15:32	0.018
5/14/2010	9:16:32	0.018
5/14/2010	9:17:32	0.018
5/14/2010	9:18:32	0.019
5/14/2010	9:19:32	0.019
5/14/2010	9:20:32	0.019
5/14/2010	9:21:32	0.019
5/14/2010	9:22:32	0.019
5/14/2010	9:23:32	0.019
5/14/2010	9:24:32	0.020
5/14/2010	9:25:32	0.019
5/14/2010	9:26:32	0.019
5/14/2010	9:27:32	0.020
5/14/2010	9:28:32	0.020
5/14/2010	9:29:32	0.020
5/14/2010	9:30:32	0.021
5/14/2010	9:31:32	0.020
5/14/2010	9:32:32	0.020
5/14/2010	9:33:32	0.020
5/14/2010	9:34:32	0.020
5/14/2010	9:35:32	0.021
5/14/2010	9:36:32	0.020
5/14/2010	9:37:32	0.022
5/14/2010	9:38:32	0.021

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5/14/2010	9:39:32	0.021
5/14/2010	9:40:32	0.022
5/14/2010	9:41:32	0.022
5/14/2010	9:42:32	0.021
5/14/2010	9:43:32	0.022
5/14/2010	9:44:32	0.021
5/14/2010	9:45:32	0.021
5/14/2010	9:46:32	0.021
5/14/2010	9:47:32	0.021
5/14/2010	9:48:32	0.023
5/14/2010	9:49:32	0.023
5/14/2010	9:50:32	0.026
5/14/2010	9:51:32	0.022
5/14/2010	9:52:32	0.022
5/14/2010	9:53:32	0.022
5/14/2010	9:54:32	0.022
5/14/2010	9:55:32	0.022
5/14/2010	9:56:32	0.022
5/14/2010	9:57:32	0.022
5/14/2010	9:58:32	0.022
5/14/2010	9:59:32	0.024
5/14/2010	10:00:32	0.024
5/14/2010	10:01:32	0.024
5/14/2010	10:02:32	0.023
5/14/2010	10:03:32	0.023
5/14/2010	10:04:32	0.024
5/14/2010	10:05:32	0.025
5/14/2010	10:06:32	0.024
5/14/2010	10:07:32	0.025
5/14/2010	10:08:32	0.024
5/14/2010	10:09:32	0.025
5/14/2010	10:10:32	0.026
5/14/2010	10:11:32	0.025
5/14/2010	10:12:32	0.026
5/14/2010	10:13:32	0.025
5/14/2010	10:14:32	0.027
5/14/2010	10:15:32	0.027
5/14/2010	10:16:32	0.027
5/14/2010	10:17:32	0.026
5/14/2010	10:18:32	0.026
5/14/2010	10:19:32	0.027
5/14/2010	10:20:32	0.028
5/14/2010	10:21:32	0.028
5/14/2010	10:22:32	0.028

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5/14/2010	10:23:32	0.027
5/14/2010	10:24:32	0.028
5/14/2010	10:25:32	0.030
5/14/2010	10:26:32	0.029
5/14/2010	10:27:32	0.028
5/14/2010	10:28:32	0.029
5/14/2010	10:29:32	0.029
5/14/2010	10:30:32	0.027
5/14/2010	10:31:32	0.027
5/14/2010	10:32:32	0.027
5/14/2010	10:33:32	0.028
5/14/2010	10:34:32	0.028
5/14/2010	10:35:32	0.029
5/14/2010	10:36:32	0.029
5/14/2010	10:37:32	0.028
5/14/2010	10:38:32	0.029
5/14/2010	10:39:32	0.030
5/14/2010	10:40:32	0.030
5/14/2010	10:41:32	0.029
5/14/2010	10:42:32	0.028
5/14/2010	10:43:32	0.028
5/14/2010	10:44:32	0.029
5/14/2010	10:45:32	0.030
5/14/2010	10:46:32	0.030
5/14/2010	10:47:32	0.028
5/14/2010	10:48:32	0.028
5/14/2010	10:49:32	0.027
5/14/2010	10:50:32	0.028
5/14/2010	10:51:32	0.029
5/14/2010	10:52:32	0.040
5/14/2010	10:53:32	0.029
5/14/2010	10:54:32	0.029
5/14/2010	10:55:32	0.030
5/14/2010	10:56:32	0.029
5/14/2010	10:57:32	0.028
5/14/2010	10:58:32	0.027
5/14/2010	10:59:32	0.028
5/14/2010	11:00:32	0.028
5/14/2010	11:01:32	0.029
5/14/2010	11:02:32	0.028
5/14/2010	11:03:32	0.028
5/14/2010	11:04:32	0.028
5/14/2010	11:05:32	0.029
5/14/2010	11:06:32	0.029

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5/14/2010	11:07:32	0.029
5/14/2010	11:08:32	0.029
5/14/2010	11:09:32	0.029
5/14/2010	11:10:32	0.029
5/14/2010	11:11:32	0.029
5/14/2010	11:12:32	0.029
5/14/2010	11:13:32	0.028
5/14/2010	11:14:32	0.029
5/14/2010	11:15:32	0.029
5/14/2010	11:16:32	0.029
5/14/2010	11:17:32	0.029
5/14/2010	11:18:32	0.029
5/14/2010	11:19:32	0.029
5/14/2010	11:20:32	0.029
5/14/2010	11:21:32	0.030
5/14/2010	11:22:32	0.031
5/14/2010	11:23:32	0.030
5/14/2010	11:24:32	0.030
5/14/2010	11:25:32	0.030
5/14/2010	11:26:32	0.030
5/14/2010	11:27:32	0.030
5/14/2010	11:28:32	0.031
5/14/2010	11:29:32	0.030
5/14/2010	11:30:32	0.030
5/14/2010	11:31:32	0.031
5/14/2010	11:32:32	0.030
5/14/2010	11:33:32	0.033
5/14/2010	11:34:32	0.031
5/14/2010	11:35:32	0.031
5/14/2010	11:36:32	0.031
5/14/2010	11:37:32	0.031
5/14/2010	11:38:32	0.031
5/14/2010	11:39:32	0.040
5/14/2010	11:40:32	0.035
5/14/2010	11:41:32	0.032
5/14/2010	11:42:32	0.033
5/14/2010	11:43:32	0.033
5/14/2010	11:44:32	0.032
5/14/2010	11:45:32	0.031
5/14/2010	11:46:32	0.031
5/14/2010	11:47:32	0.034
5/14/2010	11:48:32	0.034
5/14/2010	11:49:32	0.033
5/14/2010	11:50:32	0.033

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5/14/2010	11:51:32	0.034
5/14/2010	11:52:32	0.035
5/14/2010	11:53:32	0.033
5/14/2010	11:54:32	0.032
5/14/2010	11:55:32	0.033
5/14/2010	11:56:32	0.032
5/14/2010	11:57:32	0.032
5/14/2010	11:58:32	0.035
5/14/2010	11:59:32	0.035
5/14/2010	12:00:32	0.036
5/14/2010	12:01:32	0.035
5/14/2010	12:02:32	0.035
5/14/2010	12:03:32	0.033
5/14/2010	12:04:32	0.035
5/14/2010	12:05:32	0.036
5/14/2010	12:06:32	0.033
5/14/2010	12:07:32	0.033
5/14/2010	12:08:32	0.031
5/14/2010	12:09:32	0.032
5/14/2010	12:10:32	0.033
5/14/2010	12:11:32	0.032
5/14/2010	12:12:32	0.032
5/14/2010	12:13:32	0.033
5/14/2010	12:14:32	0.032
5/14/2010	12:15:32	0.033
5/14/2010	12:16:32	0.034
5/14/2010	12:17:32	0.033
5/14/2010	12:18:32	0.033
5/14/2010	12:19:32	0.037
5/14/2010	12:20:32	0.035
5/14/2010	12:21:32	0.034
5/14/2010	12:22:32	0.034
5/14/2010	12:23:32	0.035
5/14/2010	12:24:32	0.034
5/14/2010	12:25:32	0.034
5/14/2010	12:26:32	0.034
5/14/2010	12:27:32	0.034
5/14/2010	12:28:32	0.035
5/14/2010	12:29:32	0.040
5/14/2010	12:30:32	0.037
5/14/2010	12:31:32	0.034
5/14/2010	12:32:32	0.033
5/14/2010	12:33:32	0.035
5/14/2010	12:34:32	0.035

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5/14/2010	12:35:32	0.035
5/14/2010	12:36:32	0.036
5/14/2010	12:37:32	0.035
5/14/2010	12:38:32	0.037
5/14/2010	12:39:32	0.038
5/14/2010	12:40:32	0.037
5/14/2010	12:41:32	0.037
5/14/2010	12:42:32	0.041
5/14/2010	12:43:32	0.036
5/14/2010	12:44:32	0.037
5/14/2010	12:45:32	0.036
5/14/2010	12:46:32	0.036
5/14/2010	12:47:32	0.049
5/14/2010	12:48:32	0.054
5/14/2010	12:49:32	0.045
5/14/2010	12:50:32	0.056
5/14/2010	12:51:32	0.062
5/14/2010	12:52:32	0.046
5/14/2010	12:53:32	0.136
5/14/2010	12:54:32	0.060
5/14/2010	12:55:32	0.048
5/14/2010	12:56:32	0.037
5/14/2010	12:57:32	0.037
5/14/2010	12:58:32	0.036
5/14/2010	12:59:32	0.037
5/14/2010	13:00:32	0.038
5/14/2010	13:01:32	0.038
5/14/2010	13:02:32	0.040
5/14/2010	13:03:32	0.044
5/14/2010	13:04:32	0.057
5/14/2010	13:05:32	0.038
5/14/2010	13:06:32	0.060
5/14/2010	13:07:32	0.037
5/14/2010	13:08:32	0.037
5/14/2010	13:09:32	0.035
5/14/2010	13:10:32	0.070
5/14/2010	13:11:32	0.040
5/14/2010	13:12:32	0.036
5/14/2010	13:13:32	0.038
5/14/2010	13:14:32	0.044
5/14/2010	13:15:32	0.037
5/14/2010	13:16:32	0.040
5/14/2010	13:17:32	0.045
5/14/2010	13:18:32	0.046

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5/14/2010	13:19:32	0.043
5/14/2010	13:20:32	0.041
5/14/2010	13:21:32	0.037
5/14/2010	13:22:32	0.038
5/14/2010	13:23:32	0.039
5/14/2010	13:24:32	0.035
5/14/2010	13:25:32	0.041
5/14/2010	13:26:32	0.086
5/14/2010	13:27:32	0.069
5/14/2010	13:28:32	0.039
5/14/2010	13:29:32	0.048
5/14/2010	13:30:32	0.036
5/14/2010	13:31:32	0.037
5/14/2010	13:32:32	0.047
5/14/2010	13:33:32	0.041
5/14/2010	13:34:32	0.038
5/14/2010	13:35:32	0.044
5/14/2010	13:36:32	0.047
5/14/2010	13:37:32	0.040
5/14/2010	13:38:32	0.039
5/14/2010	13:39:32	0.039
5/14/2010	13:40:32	0.038
5/14/2010	13:41:32	0.047
5/14/2010	13:42:32	0.036
5/14/2010	13:43:32	0.036
5/14/2010	13:44:32	0.037
5/14/2010	13:45:32	0.042
5/14/2010	13:46:32	0.055
5/14/2010	13:47:32	0.043
5/14/2010	13:48:32	0.041
5/14/2010	13:49:32	0.038
5/14/2010	13:50:32	0.049
5/14/2010	13:51:32	0.047
5/14/2010	13:52:32	0.045
5/14/2010	13:53:32	0.053
5/14/2010	13:54:32	0.045
5/14/2010	13:55:32	0.041
5/14/2010	13:56:32	0.041
5/14/2010	13:57:32	0.039
5/14/2010	13:58:32	0.039
5/14/2010	13:59:32	0.040
5/14/2010	14:00:32	0.039
5/14/2010	14:01:32	0.037
5/14/2010	14:02:32	0.038

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5/14/2010	14:03:32	0.042
5/14/2010	14:04:32	0.039
5/14/2010	14:05:32	0.039
5/14/2010	14:06:32	0.038
5/14/2010	14:07:32	0.042
5/14/2010	14:08:32	0.038
5/14/2010	14:09:32	0.043
5/14/2010	14:10:32	0.039
5/14/2010	14:11:32	0.038
5/14/2010	14:12:32	0.039
5/14/2010	14:13:32	0.098
5/14/2010	14:14:32	0.046
5/14/2010	14:15:32	0.089
5/14/2010	14:16:32	0.132
5/14/2010	14:17:32	0.045
5/14/2010	14:18:32	0.045
5/14/2010	14:19:32	0.045
5/14/2010	14:20:32	0.042
5/14/2010	14:21:32	0.041
5/14/2010	14:22:32	0.055
5/14/2010	14:23:32	0.195
5/14/2010	14:24:32	0.140
5/14/2010	14:25:32	0.042
5/14/2010	14:26:32	0.038
5/14/2010	14:27:32	0.083
5/14/2010	14:28:32	0.059
5/14/2010	14:29:32	0.044
5/14/2010	14:30:32	0.040
5/14/2010	14:31:32	0.047
5/14/2010	14:32:32	0.039
5/14/2010	14:33:32	0.039
5/14/2010	14:34:32	0.039
5/14/2010	14:35:32	0.040
5/14/2010	14:36:32	0.039
5/14/2010	14:37:32	0.040
5/14/2010	14:38:32	0.075
5/14/2010	14:39:32	0.038
5/14/2010	14:40:32	0.041
5/14/2010	14:41:32	0.039
5/14/2010	14:42:32	0.041
5/14/2010	14:43:32	0.040
5/14/2010	14:44:32	0.038
5/14/2010	14:45:32	0.041
5/14/2010	14:46:32	0.041

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5/14/2010	14:47:32	0.042
5/14/2010	14:48:32	0.040
5/14/2010	14:49:32	0.039
5/14/2010	14:50:32	0.074
5/14/2010	14:51:32	0.244
5/14/2010	14:52:32	0.039
5/14/2010	14:53:32	0.038
5/14/2010	14:54:32	0.038
5/14/2010	14:55:32	0.040
5/14/2010	14:56:32	0.038
5/14/2010	14:57:32	0.039
5/14/2010	14:58:32	0.041
5/14/2010	14:59:32	0.040
5/14/2010	15:00:32	0.043
5/14/2010	15:01:32	0.039
5/14/2010	15:02:32	0.038
5/14/2010	15:03:32	0.041
5/14/2010	15:04:32	0.040
5/14/2010	15:05:32	0.039
5/14/2010	15:06:32	0.040
5/14/2010	15:07:32	0.040
5/14/2010	15:08:32	0.040
5/14/2010	15:09:32	0.039
5/14/2010	15:10:32	0.039
5/14/2010	15:11:32	0.041
5/14/2010	15:12:32	0.038
5/14/2010	15:13:32	0.042
5/14/2010	15:14:32	0.039
5/14/2010	15:15:32	0.039
5/14/2010	15:16:32	0.072
5/14/2010	15:17:32	0.049
5/14/2010	15:18:32	0.041
5/14/2010	15:19:32	0.041
5/14/2010	15:20:32	0.039
5/14/2010	15:21:32	0.039
5/14/2010	15:22:32	0.039
5/14/2010	15:23:32	0.038
5/14/2010	15:24:32	0.053
5/14/2010	15:25:32	0.055

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 14, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	3
Test Abbreviation:	
Start Date:	5/14/2010
Start Time:	7:41:44
Duration (dd:hh:mm:ss):	0:07:44:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	464
Notes:	Worksite/Nearest Property

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.031
Minimum:	0.013
Time of Minimum:	8:37:44
Date of Minimum:	5/14/2010
Maximum:	0.128
Time of Maximum:	13:56:44
Date of Maximum:	5/14/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/14/2010	7:42:44	0.014
5/14/2010	7:43:44	0.014
5/14/2010	7:44:44	0.015
5/14/2010	7:45:44	0.015
5/14/2010	7:46:44	0.014
5/14/2010	7:47:44	0.016
5/14/2010	7:48:44	0.015
5/14/2010	7:49:44	0.014
5/14/2010	7:50:44	0.015
5/14/2010	7:51:44	0.016
5/14/2010	7:52:44	0.015
5/14/2010	7:53:44	0.016
5/14/2010	7:54:44	0.019

5/14/2010	7:55:44	0.016
5/14/2010	7:56:44	0.016
5/14/2010	7:57:44	0.018
5/14/2010	7:58:44	0.016
5/14/2010	7:59:44	0.015
5/14/2010	8:00:44	0.015
5/14/2010	8:01:44	0.015
5/14/2010	8:02:44	0.014
5/14/2010	8:03:44	0.015
5/14/2010	8:04:44	0.015
5/14/2010	8:05:44	0.015
5/14/2010	8:06:44	0.014
5/14/2010	8:07:44	0.014
5/14/2010	8:08:44	0.014
5/14/2010	8:09:44	0.018
5/14/2010	8:10:44	0.015
5/14/2010	8:11:44	0.015
5/14/2010	8:12:44	0.016
5/14/2010	8:13:44	0.015
5/14/2010	8:14:44	0.014
5/14/2010	8:15:44	0.015
5/14/2010	8:16:44	0.014
5/14/2010	8:17:44	0.015
5/14/2010	8:18:44	0.014
5/14/2010	8:19:44	0.014
5/14/2010	8:20:44	0.014
5/14/2010	8:21:44	0.014
5/14/2010	8:22:44	0.015
5/14/2010	8:23:44	0.014
5/14/2010	8:24:44	0.015
5/14/2010	8:25:44	0.014
5/14/2010	8:26:44	0.015
5/14/2010	8:27:44	0.017
5/14/2010	8:28:44	0.014
5/14/2010	8:29:44	0.015
5/14/2010	8:30:44	0.015
5/14/2010	8:31:44	0.015
5/14/2010	8:32:44	0.014
5/14/2010	8:33:44	0.014
5/14/2010	8:34:44	0.015
5/14/2010	8:35:44	0.014
5/14/2010	8:36:44	0.014
5/14/2010	8:37:44	0.013
5/14/2010	8:38:44	0.014

5/14/2010	8:39:44	0.014
5/14/2010	8:40:44	0.013
5/14/2010	8:41:44	0.013
5/14/2010	8:42:44	0.014
5/14/2010	8:43:44	0.014
5/14/2010	8:44:44	0.014
5/14/2010	8:45:44	0.014
5/14/2010	8:46:44	0.014
5/14/2010	8:47:44	0.014
5/14/2010	8:48:44	0.015
5/14/2010	8:49:44	0.015
5/14/2010	8:50:44	0.016
5/14/2010	8:51:44	0.016
5/14/2010	8:52:44	0.016
5/14/2010	8:53:44	0.016
5/14/2010	8:54:44	0.018
5/14/2010	8:55:44	0.025
5/14/2010	8:56:44	0.018
5/14/2010	8:57:44	0.017
5/14/2010	8:58:44	0.018
5/14/2010	8:59:44	0.016
5/14/2010	9:00:44	0.016
5/14/2010	9:01:44	0.016
5/14/2010	9:02:44	0.020
5/14/2010	9:03:44	0.017
5/14/2010	9:04:44	0.017
5/14/2010	9:05:44	0.016
5/14/2010	9:06:44	0.017
5/14/2010	9:07:44	0.016
5/14/2010	9:08:44	0.016
5/14/2010	9:09:44	0.016
5/14/2010	9:10:44	0.017
5/14/2010	9:11:44	0.017
5/14/2010	9:12:44	0.017
5/14/2010	9:13:44	0.017
5/14/2010	9:14:44	0.018
5/14/2010	9:15:44	0.017
5/14/2010	9:16:44	0.018
5/14/2010	9:17:44	0.017
5/14/2010	9:18:44	0.017
5/14/2010	9:19:44	0.017
5/14/2010	9:20:44	0.018
5/14/2010	9:21:44	0.019
5/14/2010	9:22:44	0.019

5/14/2010	9:23:44	0.019
5/14/2010	9:24:44	0.018
5/14/2010	9:25:44	0.020
5/14/2010	9:26:44	0.019
5/14/2010	9:27:44	0.019
5/14/2010	9:28:44	0.022
5/14/2010	9:29:44	0.023
5/14/2010	9:30:44	0.029
5/14/2010	9:31:44	0.023
5/14/2010	9:32:44	0.028
5/14/2010	9:33:44	0.055
5/14/2010	9:34:44	0.030
5/14/2010	9:35:44	0.022
5/14/2010	9:36:44	0.022
5/14/2010	9:37:44	0.021
5/14/2010	9:38:44	0.021
5/14/2010	9:39:44	0.020
5/14/2010	9:40:44	0.021
5/14/2010	9:41:44	0.021
5/14/2010	9:42:44	0.021
5/14/2010	9:43:44	0.020
5/14/2010	9:44:44	0.022
5/14/2010	9:45:44	0.022
5/14/2010	9:46:44	0.022
5/14/2010	9:47:44	0.021
5/14/2010	9:48:44	0.021
5/14/2010	9:49:44	0.022
5/14/2010	9:50:44	0.022
5/14/2010	9:51:44	0.023
5/14/2010	9:52:44	0.023
5/14/2010	9:53:44	0.024
5/14/2010	9:54:44	0.022
5/14/2010	9:55:44	0.023
5/14/2010	9:56:44	0.022
5/14/2010	9:57:44	0.022
5/14/2010	9:58:44	0.022
5/14/2010	9:59:44	0.022
5/14/2010	10:00:44	0.023
5/14/2010	10:01:44	0.024
5/14/2010	10:02:44	0.025
5/14/2010	10:03:44	0.024
5/14/2010	10:04:44	0.024
5/14/2010	10:05:44	0.023
5/14/2010	10:06:44	0.024

5/14/2010	10:07:44	0.024
5/14/2010	10:08:44	0.024
5/14/2010	10:09:44	0.025
5/14/2010	10:10:44	0.026
5/14/2010	10:11:44	0.026
5/14/2010	10:12:44	0.025
5/14/2010	10:13:44	0.025
5/14/2010	10:14:44	0.025
5/14/2010	10:15:44	0.026
5/14/2010	10:16:44	0.027
5/14/2010	10:17:44	0.028
5/14/2010	10:18:44	0.028
5/14/2010	10:19:44	0.027
5/14/2010	10:20:44	0.027
5/14/2010	10:21:44	0.028
5/14/2010	10:22:44	0.029
5/14/2010	10:23:44	0.030
5/14/2010	10:24:44	0.028
5/14/2010	10:25:44	0.029
5/14/2010	10:26:44	0.028
5/14/2010	10:27:44	0.030
5/14/2010	10:28:44	0.030
5/14/2010	10:29:44	0.027
5/14/2010	10:30:44	0.027
5/14/2010	10:31:44	0.029
5/14/2010	10:32:44	0.028
5/14/2010	10:33:44	0.028
5/14/2010	10:34:44	0.027
5/14/2010	10:35:44	0.029
5/14/2010	10:36:44	0.027
5/14/2010	10:37:44	0.028
5/14/2010	10:38:44	0.030
5/14/2010	10:39:44	0.028
5/14/2010	10:40:44	0.028
5/14/2010	10:41:44	0.029
5/14/2010	10:42:44	0.030
5/14/2010	10:43:44	0.031
5/14/2010	10:44:44	0.028
5/14/2010	10:45:44	0.028
5/14/2010	10:46:44	0.028
5/14/2010	10:47:44	0.030
5/14/2010	10:48:44	0.030
5/14/2010	10:49:44	0.030
5/14/2010	10:50:44	0.028

5/14/2010	10:51:44	0.028
5/14/2010	10:52:44	0.027
5/14/2010	10:53:44	0.028
5/14/2010	10:54:44	0.030
5/14/2010	10:55:44	0.030
5/14/2010	10:56:44	0.028
5/14/2010	10:57:44	0.029
5/14/2010	10:58:44	0.029
5/14/2010	10:59:44	0.028
5/14/2010	11:00:44	0.028
5/14/2010	11:01:44	0.028
5/14/2010	11:02:44	0.027
5/14/2010	11:03:44	0.028
5/14/2010	11:04:44	0.029
5/14/2010	11:05:44	0.029
5/14/2010	11:06:44	0.028
5/14/2010	11:07:44	0.029
5/14/2010	11:08:44	0.029
5/14/2010	11:09:44	0.029
5/14/2010	11:10:44	0.029
5/14/2010	11:11:44	0.029
5/14/2010	11:12:44	0.028
5/14/2010	11:13:44	0.029
5/14/2010	11:14:44	0.029
5/14/2010	11:15:44	0.028
5/14/2010	11:16:44	0.029
5/14/2010	11:17:44	0.029
5/14/2010	11:18:44	0.029
5/14/2010	11:19:44	0.029
5/14/2010	11:20:44	0.029
5/14/2010	11:21:44	0.029
5/14/2010	11:22:44	0.029
5/14/2010	11:23:44	0.029
5/14/2010	11:24:44	0.031
5/14/2010	11:25:44	0.030
5/14/2010	11:26:44	0.029
5/14/2010	11:27:44	0.030
5/14/2010	11:28:44	0.031
5/14/2010	11:29:44	0.031
5/14/2010	11:30:44	0.030
5/14/2010	11:31:44	0.030
5/14/2010	11:32:44	0.030
5/14/2010	11:33:44	0.030
5/14/2010	11:34:44	0.030

5/14/2010	11:35:44	0.031
5/14/2010	11:36:44	0.031
5/14/2010	11:37:44	0.032
5/14/2010	11:38:44	0.033
5/14/2010	11:39:44	0.031
5/14/2010	11:40:44	0.033
5/14/2010	11:41:44	0.067
5/14/2010	11:42:44	0.033
5/14/2010	11:43:44	0.034
5/14/2010	11:44:44	0.034
5/14/2010	11:45:44	0.033
5/14/2010	11:46:44	0.033
5/14/2010	11:47:44	0.032
5/14/2010	11:48:44	0.032
5/14/2010	11:49:44	0.033
5/14/2010	11:50:44	0.034
5/14/2010	11:51:44	0.034
5/14/2010	11:52:44	0.033
5/14/2010	11:53:44	0.034
5/14/2010	11:54:44	0.035
5/14/2010	11:55:44	0.072
5/14/2010	11:56:44	0.033
5/14/2010	11:57:44	0.033
5/14/2010	11:58:44	0.034
5/14/2010	11:59:44	0.033
5/14/2010	12:00:44	0.033
5/14/2010	12:01:44	0.034
5/14/2010	12:02:44	0.035
5/14/2010	12:03:44	0.035
5/14/2010	12:04:44	0.037
5/14/2010	12:05:44	0.033
5/14/2010	12:06:44	0.035
5/14/2010	12:07:44	0.036
5/14/2010	12:08:44	0.034
5/14/2010	12:09:44	0.034
5/14/2010	12:10:44	0.034
5/14/2010	12:11:44	0.034
5/14/2010	12:12:44	0.033
5/14/2010	12:13:44	0.034
5/14/2010	12:14:44	0.035
5/14/2010	12:15:44	0.034
5/14/2010	12:16:44	0.034
5/14/2010	12:17:44	0.034
5/14/2010	12:18:44	0.037

5/14/2010	12:19:44	0.036
5/14/2010	12:20:44	0.035
5/14/2010	12:21:44	0.040
5/14/2010	12:22:44	0.038
5/14/2010	12:23:44	0.035
5/14/2010	12:24:44	0.035
5/14/2010	12:25:44	0.035
5/14/2010	12:26:44	0.036
5/14/2010	12:27:44	0.036
5/14/2010	12:28:44	0.037
5/14/2010	12:29:44	0.035
5/14/2010	12:30:44	0.036
5/14/2010	12:31:44	0.036
5/14/2010	12:32:44	0.039
5/14/2010	12:33:44	0.034
5/14/2010	12:34:44	0.036
5/14/2010	12:35:44	0.035
5/14/2010	12:36:44	0.036
5/14/2010	12:37:44	0.037
5/14/2010	12:38:44	0.038
5/14/2010	12:39:44	0.037
5/14/2010	12:40:44	0.038
5/14/2010	12:41:44	0.038
5/14/2010	12:42:44	0.038
5/14/2010	12:43:44	0.038
5/14/2010	12:44:44	0.048
5/14/2010	12:45:44	0.041
5/14/2010	12:46:44	0.038
5/14/2010	12:47:44	0.037
5/14/2010	12:48:44	0.037
5/14/2010	12:49:44	0.039
5/14/2010	12:50:44	0.043
5/14/2010	12:51:44	0.038
5/14/2010	12:52:44	0.038
5/14/2010	12:53:44	0.039
5/14/2010	12:54:44	0.043
5/14/2010	12:55:44	0.042
5/14/2010	12:56:44	0.044
5/14/2010	12:57:44	0.039
5/14/2010	12:58:44	0.040
5/14/2010	12:59:44	0.038
5/14/2010	13:00:44	0.038
5/14/2010	13:01:44	0.039
5/14/2010	13:02:44	0.038

5/14/2010	13:03:44	0.038
5/14/2010	13:04:44	0.038
5/14/2010	13:05:44	0.039
5/14/2010	13:06:44	0.039
5/14/2010	13:07:44	0.038
5/14/2010	13:08:44	0.038
5/14/2010	13:09:44	0.038
5/14/2010	13:10:44	0.037
5/14/2010	13:11:44	0.037
5/14/2010	13:12:44	0.076
5/14/2010	13:13:44	0.044
5/14/2010	13:14:44	0.040
5/14/2010	13:15:44	0.038
5/14/2010	13:16:44	0.038
5/14/2010	13:17:44	0.038
5/14/2010	13:18:44	0.037
5/14/2010	13:19:44	0.039
5/14/2010	13:20:44	0.037
5/14/2010	13:21:44	0.044
5/14/2010	13:22:44	0.038
5/14/2010	13:23:44	0.039
5/14/2010	13:24:44	0.039
5/14/2010	13:25:44	0.042
5/14/2010	13:26:44	0.038
5/14/2010	13:27:44	0.037
5/14/2010	13:28:44	0.039
5/14/2010	13:29:44	0.038
5/14/2010	13:30:44	0.050
5/14/2010	13:31:44	0.038
5/14/2010	13:32:44	0.039
5/14/2010	13:33:44	0.037
5/14/2010	13:34:44	0.042
5/14/2010	13:35:44	0.042
5/14/2010	13:36:44	0.040
5/14/2010	13:37:44	0.039
5/14/2010	13:38:44	0.041
5/14/2010	13:39:44	0.040
5/14/2010	13:40:44	0.039
5/14/2010	13:41:44	0.041
5/14/2010	13:42:44	0.039
5/14/2010	13:43:44	0.039
5/14/2010	13:44:44	0.038
5/14/2010	13:45:44	0.037
5/14/2010	13:46:44	0.040

5/14/2010	13:47:44	0.040
5/14/2010	13:48:44	0.045
5/14/2010	13:49:44	0.043
5/14/2010	13:50:44	0.045
5/14/2010	13:51:44	0.040
5/14/2010	13:52:44	0.041
5/14/2010	13:53:44	0.046
5/14/2010	13:54:44	0.042
5/14/2010	13:55:44	0.087
5/14/2010	13:56:44	0.128
5/14/2010	13:57:44	0.045
5/14/2010	13:58:44	0.040
5/14/2010	13:59:44	0.044
5/14/2010	14:00:44	0.039
5/14/2010	14:01:44	0.040
5/14/2010	14:02:44	0.040
5/14/2010	14:03:44	0.039
5/14/2010	14:04:44	0.039
5/14/2010	14:05:44	0.046
5/14/2010	14:06:44	0.058
5/14/2010	14:07:44	0.039
5/14/2010	14:08:44	0.038
5/14/2010	14:09:44	0.039
5/14/2010	14:10:44	0.038
5/14/2010	14:11:44	0.040
5/14/2010	14:12:44	0.045
5/14/2010	14:13:44	0.039
5/14/2010	14:14:44	0.040
5/14/2010	14:15:44	0.050
5/14/2010	14:16:44	0.090
5/14/2010	14:17:44	0.065
5/14/2010	14:18:44	0.069
5/14/2010	14:19:44	0.039
5/14/2010	14:20:44	0.045
5/14/2010	14:21:44	0.044
5/14/2010	14:22:44	0.042
5/14/2010	14:23:44	0.040
5/14/2010	14:24:44	0.038
5/14/2010	14:25:44	0.041
5/14/2010	14:26:44	0.062
5/14/2010	14:27:44	0.041
5/14/2010	14:28:44	0.038
5/14/2010	14:29:44	0.046
5/14/2010	14:30:44	0.042

5/14/2010	14:31:44	0.042
5/14/2010	14:32:44	0.041
5/14/2010	14:33:44	0.043
5/14/2010	14:34:44	0.039
5/14/2010	14:35:44	0.040
5/14/2010	14:36:44	0.039
5/14/2010	14:37:44	0.038
5/14/2010	14:38:44	0.039
5/14/2010	14:39:44	0.039
5/14/2010	14:40:44	0.044
5/14/2010	14:41:44	0.038
5/14/2010	14:42:44	0.039
5/14/2010	14:43:44	0.038
5/14/2010	14:44:44	0.040
5/14/2010	14:45:44	0.036
5/14/2010	14:46:44	0.037
5/14/2010	14:47:44	0.041
5/14/2010	14:48:44	0.041
5/14/2010	14:49:44	0.039
5/14/2010	14:50:44	0.039
5/14/2010	14:51:44	0.038
5/14/2010	14:52:44	0.047
5/14/2010	14:53:44	0.070
5/14/2010	14:54:44	0.040
5/14/2010	14:55:44	0.036
5/14/2010	14:56:44	0.036
5/14/2010	14:57:44	0.036
5/14/2010	14:58:44	0.038
5/14/2010	14:59:44	0.038
5/14/2010	15:00:44	0.037
5/14/2010	15:01:44	0.041
5/14/2010	15:02:44	0.039
5/14/2010	15:03:44	0.036
5/14/2010	15:04:44	0.045
5/14/2010	15:05:44	0.036
5/14/2010	15:06:44	0.040
5/14/2010	15:07:44	0.038
5/14/2010	15:08:44	0.038
5/14/2010	15:09:44	0.037
5/14/2010	15:10:44	0.036
5/14/2010	15:11:44	0.047
5/14/2010	15:12:44	0.039
5/14/2010	15:13:44	0.037
5/14/2010	15:14:44	0.036

5/14/2010	15:15:44	0.036
5/14/2010	15:16:44	0.035
5/14/2010	15:17:44	0.036
5/14/2010	15:18:44	0.052
5/14/2010	15:19:44	0.078
5/14/2010	15:20:44	0.040
5/14/2010	15:21:44	0.038
5/14/2010	15:22:44	0.038
5/14/2010	15:23:44	0.036
5/14/2010	15:24:44	0.036
5/14/2010	15:25:44	0.035

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 14, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_007
Test Start Time	8:01:36 AM
Test Start Date	5/14/2010
Test Length [D:H:M]	0:00:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.024
Mass Minimum [mg/m3]	0.013
Mass Maximum [mg/m3]	0.04
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.040		2
120	0.027		2
180	0.020		2
240	0.024		2
300	0.036		2
360	0.017		2
420	0.021		2
480	0.013		2
540	0.017		2
600	0.027		2
660	0.026		2
720	0.021		2
780	0.021		2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 14, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_008
Test Start Time	9:30:32 AM
Test Start Date	5/14/2010
Test Length [D:H:M]	0:00:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.033
Mass Minimum [mg/m3]	0.012
Mass Maximum [mg/m3]	0.066
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.066	1	2
120	0.035	1	2
180	0.012	1	2
240	0.037	1	2
300	0.042	1	2
360	0.033	1	2
420	0.030	1	2
480	0.042	1	2
540	0.019	1	2
600	0.051	1	2
660	0.022	1	2
720	0.021	1	2
780	0.016	1	2

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 14, 2010

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530092502
Firmware Version	2
Calibration Date	6/15/2009
Test Name	MANUAL_009
Test Start Time	1:53:07 PM
Test Start Date	5/14/2010
Test Length [D:H:M]	0:00:13
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.052
Mass Minimum [mg/m3]	0.039
Mass Maximum [mg/m3]	0.068
Mass TWA [mg/m3]	0
Photometric User Cal	1
Flow User Cal	1
Errors	2
Number of Samples	13

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.054		2
120	0.043		2
180	0.043		2
240	0.051		2
300	0.048		2
360	0.052		2
420	0.055		2
480	0.039		2
540	0.068		2
600	0.047		2
660	0.061		2
720	0.053		2
780	0.068		2

Former Reliable Truss (246 River Road) Daily Construction/Excavation Monitoring Summary

Date: 5/17/2010

Weather: Low 60s, sunny/clear, calm

Activity: Backfilling of 3A

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	No UW Unit					
ON SITE	85202244	0818	0.010	0.002	0.088	
DOWN WIND	85202130	0820	0.010	0.005	0.202	
UPWIND						
ON SITE		0928	0.011	-0.009	0.085	
DOWN WIND		0930	0.016	0.007	0.218	
UPWIND						
ON SITE		1014	0.011	-0.009	0.085	
DOWN WIND		1017	0.023	0.007	0.342	
UPWIND						
ON SITE		1056	0.013	-0.009	1.330	
DOWN WIND		1059	0.024	0.007	0.810	
UPWIND						
ON SITE		1157	0.022	-0.009	3.03	
DOWN WIND		1201	0.024	0.007	0.630	
UPWIND						
ON SITE		1244	0.024	-0.009	3.03	
DOWN WIND		1246	0.023	0.007	0.630	
UPWIND						
ON SITE		1327	0.035	-0.009	4.14	
DOWN WIND		1330	0.022	0.007	0.630	
UPWIND						
ON SITE		1410	0.047	-0.009	4.82	
DOWN WIND		1413	0.021	0.007	0.630	
UPWIND						Units stopped at about 1530
ON SITE		1522	0.052	-0.009	4.82	Units stopped at about 1530
DOWN WIND		1458	0.020	0.007	0.630	

NOTES

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 17, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	1
Test Abbreviation:	
Start Date:	5/17/2010
Start Time:	7:32:31
Duration (dd:hh:mm:ss):	0:07:52:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	472
Notes:	Worksite/Nearest Property

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.052
Minimum:	0.007
Time of Minimum:	7:36:31
Date of Minimum:	5/17/2010
Maximum:	1.174
Time of Maximum:	11:59:31
Date of Maximum:	5/17/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/17/2010	7:33:31	0.018
5/17/2010	7:34:31	0.009
5/17/2010	7:35:31	0.008
5/17/2010	7:36:31	0.007
5/17/2010	7:37:31	0.008
5/17/2010	7:38:31	0.009
5/17/2010	7:39:31	0.008
5/17/2010	7:40:31	0.016
5/17/2010	7:41:31	0.011
5/17/2010	7:42:31	0.009
5/17/2010	7:43:31	0.008
5/17/2010	7:44:31	0.009
5/17/2010	7:45:31	0.007

5/17/2010	7:46:31	0.012
5/17/2010	7:47:31	0.016
5/17/2010	7:48:31	0.010
5/17/2010	7:49:31	0.008
5/17/2010	7:50:31	0.008
5/17/2010	7:51:31	0.008
5/17/2010	7:52:31	0.007
5/17/2010	7:53:31	0.010
5/17/2010	7:54:31	0.009
5/17/2010	7:55:31	0.009
5/17/2010	7:56:31	0.008
5/17/2010	7:57:31	0.008
5/17/2010	7:58:31	0.009
5/17/2010	7:59:31	0.009
5/17/2010	8:00:31	0.017
5/17/2010	8:01:31	0.009
5/17/2010	8:02:31	0.009
5/17/2010	8:03:31	0.012
5/17/2010	8:04:31	0.010
5/17/2010	8:05:31	0.012
5/17/2010	8:06:31	0.010
5/17/2010	8:07:31	0.009
5/17/2010	8:08:31	0.009
5/17/2010	8:09:31	0.009
5/17/2010	8:10:31	0.009
5/17/2010	8:11:31	0.013
5/17/2010	8:12:31	0.016
5/17/2010	8:13:31	0.009
5/17/2010	8:14:31	0.010
5/17/2010	8:15:31	0.010
5/17/2010	8:16:31	0.012
5/17/2010	8:17:31	0.009
5/17/2010	8:18:31	0.009
5/17/2010	8:19:31	0.009
5/17/2010	8:20:31	0.017
5/17/2010	8:21:31	0.019
5/17/2010	8:22:31	0.009
5/17/2010	8:23:31	0.009
5/17/2010	8:24:31	0.010
5/17/2010	8:25:31	0.011
5/17/2010	8:26:31	0.010
5/17/2010	8:27:31	0.010
5/17/2010	8:28:31	0.009
5/17/2010	8:29:31	0.010

5/17/2010	8:30:31	0.010
5/17/2010	8:31:31	0.010
5/17/2010	8:32:31	0.010
5/17/2010	8:33:31	0.011
5/17/2010	8:34:31	0.011
5/17/2010	8:35:31	0.027
5/17/2010	8:36:31	0.010
5/17/2010	8:37:31	0.013
5/17/2010	8:38:31	0.013
5/17/2010	8:39:31	0.010
5/17/2010	8:40:31	0.010
5/17/2010	8:41:31	0.010
5/17/2010	8:42:31	0.010
5/17/2010	8:43:31	0.010
5/17/2010	8:44:31	0.011
5/17/2010	8:45:31	0.011
5/17/2010	8:46:31	0.014
5/17/2010	8:47:31	0.011
5/17/2010	8:48:31	0.010
5/17/2010	8:49:31	0.010
5/17/2010	8:50:31	0.011
5/17/2010	8:51:31	0.012
5/17/2010	8:52:31	0.011
5/17/2010	8:53:31	0.013
5/17/2010	8:54:31	0.011
5/17/2010	8:55:31	0.013
5/17/2010	8:56:31	0.012
5/17/2010	8:57:31	0.011
5/17/2010	8:58:31	0.011
5/17/2010	8:59:31	0.011
5/17/2010	9:00:31	0.010
5/17/2010	9:01:31	0.012
5/17/2010	9:02:31	0.010
5/17/2010	9:03:31	0.010
5/17/2010	9:04:31	0.015
5/17/2010	9:05:31	0.015
5/17/2010	9:06:31	0.026
5/17/2010	9:07:31	0.011
5/17/2010	9:08:31	0.010
5/17/2010	9:09:31	0.010
5/17/2010	9:10:31	0.010
5/17/2010	9:11:31	0.010
5/17/2010	9:12:31	0.012
5/17/2010	9:13:31	0.011

5/17/2010	9:14:31	0.011
5/17/2010	9:15:31	0.018
5/17/2010	9:16:31	0.012
5/17/2010	9:17:31	0.011
5/17/2010	9:18:31	0.010
5/17/2010	9:19:31	0.010
5/17/2010	9:20:31	0.014
5/17/2010	9:21:31	0.011
5/17/2010	9:22:31	0.011
5/17/2010	9:23:31	0.010
5/17/2010	9:24:31	0.010
5/17/2010	9:25:31	0.010
5/17/2010	9:26:31	0.010
5/17/2010	9:27:31	0.010
5/17/2010	9:28:31	0.011
5/17/2010	9:29:31	0.021
5/17/2010	9:30:31	0.011
5/17/2010	9:31:31	0.014
5/17/2010	9:32:31	0.018
5/17/2010	9:33:31	0.009
5/17/2010	9:34:31	0.010
5/17/2010	9:35:31	0.009
5/17/2010	9:36:31	0.015
5/17/2010	9:37:31	0.009
5/17/2010	9:38:31	0.009
5/17/2010	9:39:31	0.009
5/17/2010	9:40:31	0.014
5/17/2010	9:41:31	0.010
5/17/2010	9:42:31	0.009
5/17/2010	9:43:31	0.009
5/17/2010	9:44:31	0.009
5/17/2010	9:45:31	0.009
5/17/2010	9:46:31	0.009
5/17/2010	9:47:31	0.020
5/17/2010	9:48:31	0.012
5/17/2010	9:49:31	0.017
5/17/2010	9:50:31	0.009
5/17/2010	9:51:31	0.011
5/17/2010	9:52:31	0.011
5/17/2010	9:53:31	0.010
5/17/2010	9:54:31	0.013
5/17/2010	9:55:31	0.009
5/17/2010	9:56:31	0.011
5/17/2010	9:57:31	0.009

5/17/2010	9:58:31	0.017
5/17/2010	9:59:31	0.009
5/17/2010	10:00:31	0.012
5/17/2010	10:01:31	0.009
5/17/2010	10:02:31	0.009
5/17/2010	10:03:31	0.009
5/17/2010	10:04:31	0.010
5/17/2010	10:05:31	0.009
5/17/2010	10:06:31	0.008
5/17/2010	10:07:31	0.014
5/17/2010	10:08:31	0.014
5/17/2010	10:09:31	0.008
5/17/2010	10:10:31	0.008
5/17/2010	10:11:31	0.009
5/17/2010	10:12:31	0.008
5/17/2010	10:13:31	0.008
5/17/2010	10:14:31	0.011
5/17/2010	10:15:31	0.009
5/17/2010	10:16:31	0.010
5/17/2010	10:17:31	0.008
5/17/2010	10:18:31	0.013
5/17/2010	10:19:31	0.009
5/17/2010	10:20:31	0.008
5/17/2010	10:21:31	0.009
5/17/2010	10:22:31	0.008
5/17/2010	10:23:31	0.011
5/17/2010	10:24:31	0.011
5/17/2010	10:25:31	0.009
5/17/2010	10:26:31	0.009
5/17/2010	10:27:31	0.010
5/17/2010	10:28:31	0.011
5/17/2010	10:29:31	0.010
5/17/2010	10:30:31	0.009
5/17/2010	10:31:31	0.009
5/17/2010	10:32:31	0.011
5/17/2010	10:33:31	0.014
5/17/2010	10:34:31	0.013
5/17/2010	10:35:31	0.009
5/17/2010	10:36:31	0.009
5/17/2010	10:37:31	0.009
5/17/2010	10:38:31	0.012
5/17/2010	10:39:31	0.024
5/17/2010	10:40:31	0.015
5/17/2010	10:41:31	0.279

5/17/2010	10:42:31	0.023
5/17/2010	10:43:31	0.011
5/17/2010	10:44:31	0.014
5/17/2010	10:45:31	0.030
5/17/2010	10:46:31	0.090
5/17/2010	10:47:31	0.020
5/17/2010	10:48:31	0.011
5/17/2010	10:49:31	0.011
5/17/2010	10:50:31	0.013
5/17/2010	10:51:31	0.015
5/17/2010	10:52:31	0.015
5/17/2010	10:53:31	0.053
5/17/2010	10:54:31	0.014
5/17/2010	10:55:31	0.011
5/17/2010	10:56:31	0.015
5/17/2010	10:57:31	0.014
5/17/2010	10:58:31	0.016
5/17/2010	10:59:31	0.013
5/17/2010	11:00:31	0.012
5/17/2010	11:01:31	0.010
5/17/2010	11:02:31	0.010
5/17/2010	11:03:31	0.011
5/17/2010	11:04:31	0.013
5/17/2010	11:05:31	0.013
5/17/2010	11:06:31	0.013
5/17/2010	11:07:31	0.012
5/17/2010	11:08:31	0.011
5/17/2010	11:09:31	0.010
5/17/2010	11:10:31	0.012
5/17/2010	11:11:31	0.012
5/17/2010	11:12:31	0.011
5/17/2010	11:13:31	0.010
5/17/2010	11:14:31	0.010
5/17/2010	11:15:31	0.011
5/17/2010	11:16:31	0.011
5/17/2010	11:17:31	0.010
5/17/2010	11:18:31	0.010
5/17/2010	11:19:31	0.010
5/17/2010	11:20:31	0.010
5/17/2010	11:21:31	0.011
5/17/2010	11:22:31	0.013
5/17/2010	11:23:31	0.010
5/17/2010	11:24:31	0.010
5/17/2010	11:25:31	0.011

5/17/2010	11:26:31	0.055
5/17/2010	11:27:31	0.013
5/17/2010	11:28:31	0.017
5/17/2010	11:29:31	0.011
5/17/2010	11:30:31	0.011
5/17/2010	11:31:31	0.013
5/17/2010	11:32:31	0.012
5/17/2010	11:33:31	0.013
5/17/2010	11:34:31	0.012
5/17/2010	11:35:31	0.015
5/17/2010	11:36:31	0.017
5/17/2010	11:37:31	0.014
5/17/2010	11:38:31	0.016
5/17/2010	11:39:31	0.053
5/17/2010	11:40:31	0.064
5/17/2010	11:41:31	0.201
5/17/2010	11:42:31	0.015
5/17/2010	11:43:31	0.014
5/17/2010	11:44:31	0.016
5/17/2010	11:45:31	0.016
5/17/2010	11:46:31	0.030
5/17/2010	11:47:31	0.018
5/17/2010	11:48:31	0.025
5/17/2010	11:49:31	0.018
5/17/2010	11:50:31	0.186
5/17/2010	11:51:31	0.098
5/17/2010	11:52:31	0.019
5/17/2010	11:53:31	0.110
5/17/2010	11:54:31	0.019
5/17/2010	11:55:31	0.014
5/17/2010	11:56:31	0.018
5/17/2010	11:57:31	0.332
5/17/2010	11:58:31	0.028
5/17/2010	11:59:31	1.174
5/17/2010	12:00:31	0.067
5/17/2010	12:01:31	0.067
5/17/2010	12:02:31	0.404
5/17/2010	12:03:31	0.178
5/17/2010	12:04:31	0.069
5/17/2010	12:05:31	0.016
5/17/2010	12:06:31	0.021
5/17/2010	12:07:31	0.028
5/17/2010	12:08:31	0.017
5/17/2010	12:09:31	0.020

5/17/2010	12:10:31	0.018
5/17/2010	12:11:31	0.016
5/17/2010	12:12:31	0.016
5/17/2010	12:13:31	0.016
5/17/2010	12:14:31	0.018
5/17/2010	12:15:31	0.019
5/17/2010	12:16:31	0.020
5/17/2010	12:17:31	0.018
5/17/2010	12:18:31	0.016
5/17/2010	12:19:31	0.018
5/17/2010	12:20:31	0.016
5/17/2010	12:21:31	0.016
5/17/2010	12:22:31	0.016
5/17/2010	12:23:31	0.016
5/17/2010	12:24:31	0.017
5/17/2010	12:25:31	0.016
5/17/2010	12:26:31	0.017
5/17/2010	12:27:31	0.017
5/17/2010	12:28:31	0.017
5/17/2010	12:29:31	0.021
5/17/2010	12:30:31	0.018
5/17/2010	12:31:31	0.017
5/17/2010	12:32:31	0.017
5/17/2010	12:33:31	0.018
5/17/2010	12:34:31	0.017
5/17/2010	12:35:31	0.018
5/17/2010	12:36:31	0.017
5/17/2010	12:37:31	0.019
5/17/2010	12:38:31	0.018
5/17/2010	12:39:31	0.017
5/17/2010	12:40:31	0.018
5/17/2010	12:41:31	0.020
5/17/2010	12:42:31	0.018
5/17/2010	12:43:31	0.018
5/17/2010	12:44:31	0.018
5/17/2010	12:45:31	0.022
5/17/2010	12:46:31	0.305
5/17/2010	12:47:31	0.029
5/17/2010	12:48:31	0.022
5/17/2010	12:49:31	0.027
5/17/2010	12:50:31	0.050
5/17/2010	12:51:31	0.022
5/17/2010	12:52:31	0.022
5/17/2010	12:53:31	0.021

5/17/2010	12:54:31	0.025
5/17/2010	12:55:31	0.148
5/17/2010	12:56:31	0.033
5/17/2010	12:57:31	0.190
5/17/2010	12:58:31	0.083
5/17/2010	12:59:31	0.346
5/17/2010	13:00:31	0.045
5/17/2010	13:01:31	0.774
5/17/2010	13:02:31	0.393
5/17/2010	13:03:31	0.922
5/17/2010	13:04:31	0.073
5/17/2010	13:05:31	0.033
5/17/2010	13:06:31	0.062
5/17/2010	13:07:31	0.547
5/17/2010	13:08:31	0.037
5/17/2010	13:09:31	0.028
5/17/2010	13:10:31	0.126
5/17/2010	13:11:31	0.089
5/17/2010	13:12:31	0.194
5/17/2010	13:13:31	0.109
5/17/2010	13:14:31	0.227
5/17/2010	13:15:31	0.054
5/17/2010	13:16:31	0.052
5/17/2010	13:17:31	0.029
5/17/2010	13:18:31	0.027
5/17/2010	13:19:31	0.025
5/17/2010	13:20:31	0.027
5/17/2010	13:21:31	0.027
5/17/2010	13:22:31	0.021
5/17/2010	13:23:31	0.018
5/17/2010	13:24:31	0.022
5/17/2010	13:25:31	0.027
5/17/2010	13:26:31	0.018
5/17/2010	13:27:31	0.031
5/17/2010	13:28:31	0.064
5/17/2010	13:29:31	0.019
5/17/2010	13:30:31	0.016
5/17/2010	13:31:31	0.031
5/17/2010	13:32:31	0.018
5/17/2010	13:33:31	0.022
5/17/2010	13:34:31	0.022
5/17/2010	13:35:31	0.023
5/17/2010	13:36:31	0.026
5/17/2010	13:37:31	0.029

5/17/2010	13:38:31	0.020
5/17/2010	13:39:31	0.020
5/17/2010	13:40:31	0.016
5/17/2010	13:41:31	0.020
5/17/2010	13:42:31	0.018
5/17/2010	13:43:31	0.025
5/17/2010	13:44:31	0.023
5/17/2010	13:45:31	0.021
5/17/2010	13:46:31	0.019
5/17/2010	13:47:31	0.019
5/17/2010	13:48:31	0.031
5/17/2010	13:49:31	0.040
5/17/2010	13:50:31	0.024
5/17/2010	13:51:31	0.624
5/17/2010	13:52:31	0.039
5/17/2010	13:53:31	0.046
5/17/2010	13:54:31	0.037
5/17/2010	13:55:31	0.468
5/17/2010	13:56:31	0.043
5/17/2010	13:57:31	0.096
5/17/2010	13:58:31	0.350
5/17/2010	13:59:31	0.088
5/17/2010	14:00:31	0.182
5/17/2010	14:01:31	0.025
5/17/2010	14:02:31	0.019
5/17/2010	14:03:31	0.026
5/17/2010	14:04:31	0.026
5/17/2010	14:05:31	1.142
5/17/2010	14:06:31	0.053
5/17/2010	14:07:31	1.113
5/17/2010	14:08:31	0.147
5/17/2010	14:09:31	0.291
5/17/2010	14:10:31	0.102
5/17/2010	14:11:31	0.585
5/17/2010	14:12:31	0.101
5/17/2010	14:13:31	0.324
5/17/2010	14:14:31	0.295
5/17/2010	14:15:31	0.062
5/17/2010	14:16:31	0.020
5/17/2010	14:17:31	0.018
5/17/2010	14:18:31	0.017
5/17/2010	14:19:31	0.030
5/17/2010	14:20:31	0.068
5/17/2010	14:21:31	0.032

5/17/2010	14:22:31	0.029
5/17/2010	14:23:31	0.015
5/17/2010	14:24:31	0.019
5/17/2010	14:25:31	0.034
5/17/2010	14:26:31	0.043
5/17/2010	14:27:31	0.100
5/17/2010	14:28:31	0.037
5/17/2010	14:29:31	0.020
5/17/2010	14:30:31	0.020
5/17/2010	14:31:31	0.028
5/17/2010	14:32:31	0.016
5/17/2010	14:33:31	0.016
5/17/2010	14:34:31	0.043
5/17/2010	14:35:31	0.019
5/17/2010	14:36:31	0.018
5/17/2010	14:37:31	0.022
5/17/2010	14:38:31	0.029
5/17/2010	14:39:31	0.020
5/17/2010	14:40:31	0.029
5/17/2010	14:41:31	0.019
5/17/2010	14:42:31	0.026
5/17/2010	14:43:31	0.039
5/17/2010	14:44:31	0.162
5/17/2010	14:45:31	0.033
5/17/2010	14:46:31	0.047
5/17/2010	14:47:31	0.055
5/17/2010	14:48:31	0.048
5/17/2010	14:49:31	0.014
5/17/2010	14:50:31	0.015
5/17/2010	14:51:31	0.016
5/17/2010	14:52:31	0.015
5/17/2010	14:53:31	0.017
5/17/2010	14:54:31	0.014
5/17/2010	14:55:31	0.016
5/17/2010	14:56:31	0.015
5/17/2010	14:57:31	0.014
5/17/2010	14:58:31	0.014
5/17/2010	14:59:31	0.571
5/17/2010	15:00:31	0.074
5/17/2010	15:01:31	0.445
5/17/2010	15:02:31	0.042
5/17/2010	15:03:31	0.216
5/17/2010	15:04:31	0.145
5/17/2010	15:05:31	0.046

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
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5/17/2010	15:06:31	0.270
5/17/2010	15:07:31	0.175
5/17/2010	15:08:31	0.127
5/17/2010	15:09:31	0.060
5/17/2010	15:10:31	0.037
5/17/2010	15:11:31	0.033
5/17/2010	15:12:31	0.450
5/17/2010	15:13:31	0.042
5/17/2010	15:14:31	0.178
5/17/2010	15:15:31	0.032
5/17/2010	15:16:31	0.106
5/17/2010	15:17:31	0.030
5/17/2010	15:18:31	0.125
5/17/2010	15:19:31	0.043
5/17/2010	15:20:31	0.124
5/17/2010	15:21:31	0.060
5/17/2010	15:22:31	0.114
5/17/2010	15:23:31	0.107
5/17/2010	15:24:31	0.018

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 17, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	1
Test Abbreviation:	
Start Date:	5/17/2010
Start Time:	7:41:29
Duration (dd:hh:mm:ss):	0:00:39:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	39
Notes:	Downwind

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.01
Minimum:	0.006
Time of Minimum:	7:43:29
Date of Minimum:	5/17/2010
Maximum:	0.066
Time of Maximum:	7:44:29
Date of Maximum:	5/17/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/17/2010	7:42:29	0.007
5/17/2010	7:43:29	0.006
5/17/2010	7:44:29	0.066
5/17/2010	7:45:29	0.010
5/17/2010	7:46:29	0.007
5/17/2010	7:47:29	0.006
5/17/2010	7:48:29	0.007
5/17/2010	7:49:29	0.007
5/17/2010	7:50:29	0.007
5/17/2010	7:51:29	0.008
5/17/2010	7:52:29	0.007
5/17/2010	7:53:29	0.007
5/17/2010	7:54:29	0.007

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 17, 2010

5/17/2010	7:55:29	0.007
5/17/2010	7:56:29	0.008
5/17/2010	7:57:29	0.008
5/17/2010	7:58:29	0.009
5/17/2010	7:59:29	0.008
5/17/2010	8:00:29	0.007
5/17/2010	8:01:29	0.012
5/17/2010	8:02:29	0.007
5/17/2010	8:03:29	0.013
5/17/2010	8:04:29	0.008
5/17/2010	8:05:29	0.008
5/17/2010	8:06:29	0.008
5/17/2010	8:07:29	0.010
5/17/2010	8:08:29	0.008
5/17/2010	8:09:29	0.014
5/17/2010	8:10:29	0.011
5/17/2010	8:11:29	0.008
5/17/2010	8:12:29	0.009
5/17/2010	8:13:29	0.009
5/17/2010	8:14:29	0.008
5/17/2010	8:15:29	0.008
5/17/2010	8:16:29	0.008
5/17/2010	8:17:29	0.008
5/17/2010	8:18:29	0.009
5/17/2010	8:19:29	0.009
5/17/2010	8:20:29	0.008

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	2
Test Abbreviation:	
Start Date:	5/17/2010
Start Time:	8:26:04
Duration (dd:hh:mm:ss):	0:06:32:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	392
Notes:	Downwind - location changed due to change in wind direction

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.02

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 17, 2010

Minimum:	0.007
Time of Minimum:	8:51:04
Date of Minimum:	5/17/2010
Maximum:	0.143
Time of Maximum:	11:28:04
Date of Maximum:	5/17/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/17/2010	8:27:04	0.034
5/17/2010	8:28:04	0.021
5/17/2010	8:29:04	0.018
5/17/2010	8:30:04	0.036
5/17/2010	8:31:04	0.009
5/17/2010	8:32:04	0.013
5/17/2010	8:33:04	0.009
5/17/2010	8:34:04	0.013
5/17/2010	8:35:04	0.015
5/17/2010	8:36:04	0.014
5/17/2010	8:37:04	0.022
5/17/2010	8:38:04	0.021
5/17/2010	8:39:04	0.015
5/17/2010	8:40:04	0.017
5/17/2010	8:41:04	0.016
5/17/2010	8:42:04	0.015
5/17/2010	8:43:04	0.022
5/17/2010	8:44:04	0.019
5/17/2010	8:45:04	0.092
5/17/2010	8:46:04	0.019
5/17/2010	8:47:04	0.014
5/17/2010	8:48:04	0.008
5/17/2010	8:49:04	0.008
5/17/2010	8:50:04	0.008
5/17/2010	8:51:04	0.007
5/17/2010	8:52:04	0.008
5/17/2010	8:53:04	0.012
5/17/2010	8:54:04	0.019
5/17/2010	8:55:04	0.014
5/17/2010	8:56:04	0.01
5/17/2010	8:57:04	0.009

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 17, 2010

5/17/2010	8:58:04	0.019
5/17/2010	8:59:04	0.012
5/17/2010	9:00:04	0.01
5/17/2010	9:01:04	0.008
5/17/2010	9:02:04	0.008
5/17/2010	9:03:04	0.008
5/17/2010	9:04:04	0.008
5/17/2010	9:05:04	0.008
5/17/2010	9:06:04	0.01
5/17/2010	9:07:04	0.008
5/17/2010	9:08:04	0.008
5/17/2010	9:09:04	0.008
5/17/2010	9:10:04	0.008
5/17/2010	9:11:04	0.009
5/17/2010	9:12:04	0.008
5/17/2010	9:13:04	0.012
5/17/2010	9:14:04	0.009
5/17/2010	9:15:04	0.012
5/17/2010	9:16:04	0.008
5/17/2010	9:17:04	0.009
5/17/2010	9:18:04	0.008
5/17/2010	9:19:04	0.013
5/17/2010	9:20:04	0.011
5/17/2010	9:21:04	0.008
5/17/2010	9:22:04	0.011
5/17/2010	9:23:04	0.008
5/17/2010	9:24:04	0.008
5/17/2010	9:25:04	0.008
5/17/2010	9:26:04	0.069
5/17/2010	9:27:04	0.023
5/17/2010	9:28:04	0.021
5/17/2010	9:29:04	0.019
5/17/2010	9:30:04	0.056
5/17/2010	9:31:04	0.071
5/17/2010	9:32:04	0.026
5/17/2010	9:33:04	0.034
5/17/2010	9:34:04	0.033
5/17/2010	9:35:04	0.044
5/17/2010	9:36:04	0.024
5/17/2010	9:37:04	0.035
5/17/2010	9:38:04	0.077
5/17/2010	9:39:04	0.016
5/17/2010	9:40:04	0.016
5/17/2010	9:41:04	0.019

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 17, 2010

5/17/2010	9:42:04	0.024
5/17/2010	9:43:04	0.009
5/17/2010	9:44:04	0.02
5/17/2010	9:45:04	0.024
5/17/2010	9:46:04	0.02
5/17/2010	9:47:04	0.014
5/17/2010	9:48:04	0.064
5/17/2010	9:49:04	0.017
5/17/2010	9:50:04	0.075
5/17/2010	9:51:04	0.009
5/17/2010	9:52:04	0.012
5/17/2010	9:53:04	0.09
5/17/2010	9:54:04	0.056
5/17/2010	9:55:04	0.049
5/17/2010	9:56:04	0.1
5/17/2010	9:57:04	0.031
5/17/2010	9:58:04	0.02
5/17/2010	9:59:04	0.019
5/17/2010	10:00:04	0.028
5/17/2010	10:01:04	0.01
5/17/2010	10:02:04	0.019
5/17/2010	10:03:04	0.088
5/17/2010	10:04:04	0.03
5/17/2010	10:05:04	0.018
5/17/2010	10:06:04	0.023
5/17/2010	10:07:04	0.04
5/17/2010	10:08:04	0.033
5/17/2010	10:09:04	0.018
5/17/2010	10:10:04	0.032
5/17/2010	10:11:04	0.023
5/17/2010	10:12:04	0.01
5/17/2010	10:13:04	0.015
5/17/2010	10:14:04	0.011
5/17/2010	10:15:04	0.017
5/17/2010	10:16:04	0.012
5/17/2010	10:17:04	0.031
5/17/2010	10:18:04	0.031
5/17/2010	10:19:04	0.023
5/17/2010	10:20:04	0.042
5/17/2010	10:21:04	0.02
5/17/2010	10:22:04	0.104
5/17/2010	10:23:04	0.032
5/17/2010	10:24:04	0.011
5/17/2010	10:25:04	0.013

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 17, 2010

5/17/2010	10:26:04	0.02
5/17/2010	10:27:04	0.011
5/17/2010	10:28:04	0.01
5/17/2010	10:29:04	0.01
5/17/2010	10:30:04	0.01
5/17/2010	10:31:04	0.037
5/17/2010	10:32:04	0.016
5/17/2010	10:33:04	0.021
5/17/2010	10:34:04	0.066
5/17/2010	10:35:04	0.014
5/17/2010	10:36:04	0.062
5/17/2010	10:37:04	0.027
5/17/2010	10:38:04	0.023
5/17/2010	10:39:04	0.024
5/17/2010	10:40:04	0.022
5/17/2010	10:41:04	0.012
5/17/2010	10:42:04	0.018
5/17/2010	10:43:04	0.03
5/17/2010	10:44:04	0.023
5/17/2010	10:45:04	0.04
5/17/2010	10:46:04	0.013
5/17/2010	10:47:04	0.076
5/17/2010	10:48:04	0.031
5/17/2010	10:49:04	0.019
5/17/2010	10:50:04	0.041
5/17/2010	10:51:04	0.012
5/17/2010	10:52:04	0.012
5/17/2010	10:53:04	0.011
5/17/2010	10:54:04	0.011
5/17/2010	10:55:04	0.011
5/17/2010	10:56:04	0.097
5/17/2010	10:57:04	0.04
5/17/2010	10:58:04	0.028
5/17/2010	10:59:04	0.013
5/17/2010	11:00:04	0.045
5/17/2010	11:01:04	0.018
5/17/2010	11:02:04	0.012
5/17/2010	11:03:04	0.016
5/17/2010	11:04:04	0.047
5/17/2010	11:05:04	0.056
5/17/2010	11:06:04	0.096
5/17/2010	11:07:04	0.014
5/17/2010	11:08:04	0.012
5/17/2010	11:09:04	0.011

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 17, 2010

5/17/2010	11:10:04	0.011
5/17/2010	11:11:04	0.01
5/17/2010	11:12:04	0.011
5/17/2010	11:13:04	0.012
5/17/2010	11:14:04	0.012
5/17/2010	11:15:04	0.012
5/17/2010	11:16:04	0.01
5/17/2010	11:17:04	0.011
5/17/2010	11:18:04	0.01
5/17/2010	11:19:04	0.011
5/17/2010	11:20:04	0.011
5/17/2010	11:21:04	0.011
5/17/2010	11:22:04	0.013
5/17/2010	11:23:04	0.011
5/17/2010	11:24:04	0.019
5/17/2010	11:25:04	0.011
5/17/2010	11:26:04	0.011
5/17/2010	11:27:04	0.012
5/17/2010	11:28:04	0.143
5/17/2010	11:29:04	0.027
5/17/2010	11:30:04	0.016
5/17/2010	11:31:04	0.019
5/17/2010	11:32:04	0.013
5/17/2010	11:33:04	0.013
5/17/2010	11:34:04	0.014
5/17/2010	11:35:04	0.015
5/17/2010	11:36:04	0.017
5/17/2010	11:37:04	0.02
5/17/2010	11:38:04	0.013
5/17/2010	11:39:04	0.013
5/17/2010	11:40:04	0.023
5/17/2010	11:41:04	0.132
5/17/2010	11:42:04	0.036
5/17/2010	11:43:04	0.051
5/17/2010	11:44:04	0.066
5/17/2010	11:45:04	0.037
5/17/2010	11:46:04	0.036
5/17/2010	11:47:04	0.016
5/17/2010	11:48:04	0.013
5/17/2010	11:49:04	0.013
5/17/2010	11:50:04	0.016
5/17/2010	11:51:04	0.016
5/17/2010	11:52:04	0.029
5/17/2010	11:53:04	0.015

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 17, 2010

5/17/2010	11:54:04	0.014
5/17/2010	11:55:04	0.015
5/17/2010	11:56:04	0.016
5/17/2010	11:57:04	0.015
5/17/2010	11:58:04	0.015
5/17/2010	11:59:04	0.015
5/17/2010	12:00:04	0.015
5/17/2010	12:01:04	0.015
5/17/2010	12:02:04	0.015
5/17/2010	12:03:04	0.016
5/17/2010	12:04:04	0.019
5/17/2010	12:05:04	0.018
5/17/2010	12:06:04	0.016
5/17/2010	12:07:04	0.016
5/17/2010	12:08:04	0.017
5/17/2010	12:09:04	0.019
5/17/2010	12:10:04	0.015
5/17/2010	12:11:04	0.015
5/17/2010	12:12:04	0.016
5/17/2010	12:13:04	0.018
5/17/2010	12:14:04	0.023
5/17/2010	12:15:04	0.021
5/17/2010	12:16:04	0.015
5/17/2010	12:17:04	0.016
5/17/2010	12:18:04	0.015
5/17/2010	12:19:04	0.015
5/17/2010	12:20:04	0.015
5/17/2010	12:21:04	0.015
5/17/2010	12:22:04	0.015
5/17/2010	12:23:04	0.016
5/17/2010	12:24:04	0.015
5/17/2010	12:25:04	0.016
5/17/2010	12:26:04	0.015
5/17/2010	12:27:04	0.017
5/17/2010	12:28:04	0.017
5/17/2010	12:29:04	0.016
5/17/2010	12:30:04	0.017
5/17/2010	12:31:04	0.016
5/17/2010	12:32:04	0.016
5/17/2010	12:33:04	0.016
5/17/2010	12:34:04	0.016
5/17/2010	12:35:04	0.016
5/17/2010	12:36:04	0.016
5/17/2010	12:37:04	0.016

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 17, 2010

5/17/2010	12:38:04	0.017
5/17/2010	12:39:04	0.017
5/17/2010	12:40:04	0.016
5/17/2010	12:41:04	0.017
5/17/2010	12:42:04	0.016
5/17/2010	12:43:04	0.017
5/17/2010	12:44:04	0.017
5/17/2010	12:45:04	0.044
5/17/2010	12:46:04	0.088
5/17/2010	12:47:04	0.073
5/17/2010	12:48:04	0.028
5/17/2010	12:49:04	0.02
5/17/2010	12:50:04	0.018
5/17/2010	12:51:04	0.017
5/17/2010	12:52:04	0.015
5/17/2010	12:53:04	0.013
5/17/2010	12:54:04	0.014
5/17/2010	12:55:04	0.015
5/17/2010	12:56:04	0.015
5/17/2010	12:57:04	0.016
5/17/2010	12:58:04	0.014
5/17/2010	12:59:04	0.014
5/17/2010	13:00:04	0.013
5/17/2010	13:01:04	0.014
5/17/2010	13:02:04	0.015
5/17/2010	13:03:04	0.016
5/17/2010	13:04:04	0.015
5/17/2010	13:05:04	0.015
5/17/2010	13:06:04	0.013
5/17/2010	13:07:04	0.013
5/17/2010	13:08:04	0.015
5/17/2010	13:09:04	0.016
5/17/2010	13:10:04	0.016
5/17/2010	13:11:04	0.014
5/17/2010	13:12:04	0.015
5/17/2010	13:13:04	0.015
5/17/2010	13:14:04	0.015
5/17/2010	13:15:04	0.014
5/17/2010	13:16:04	0.014
5/17/2010	13:17:04	0.013
5/17/2010	13:18:04	0.015
5/17/2010	13:19:04	0.014
5/17/2010	13:20:04	0.014
5/17/2010	13:21:04	0.013

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 17, 2010

5/17/2010	13:22:04	0.014
5/17/2010	13:23:04	0.015
5/17/2010	13:24:04	0.015
5/17/2010	13:25:04	0.015
5/17/2010	13:26:04	0.015
5/17/2010	13:27:04	0.015
5/17/2010	13:28:04	0.015
5/17/2010	13:29:04	0.016
5/17/2010	13:30:04	0.015
5/17/2010	13:31:04	0.014
5/17/2010	13:32:04	0.014
5/17/2010	13:33:04	0.015
5/17/2010	13:34:04	0.017
5/17/2010	13:35:04	0.015
5/17/2010	13:36:04	0.015
5/17/2010	13:37:04	0.015
5/17/2010	13:38:04	0.015
5/17/2010	13:39:04	0.018
5/17/2010	13:40:04	0.015
5/17/2010	13:41:04	0.014
5/17/2010	13:42:04	0.013
5/17/2010	13:43:04	0.013
5/17/2010	13:44:04	0.014
5/17/2010	13:45:04	0.013
5/17/2010	13:46:04	0.014
5/17/2010	13:47:04	0.016
5/17/2010	13:48:04	0.014
5/17/2010	13:49:04	0.013
5/17/2010	13:50:04	0.013
5/17/2010	13:51:04	0.012
5/17/2010	13:52:04	0.014
5/17/2010	13:53:04	0.017
5/17/2010	13:54:04	0.013
5/17/2010	13:55:04	0.013
5/17/2010	13:56:04	0.013
5/17/2010	13:57:04	0.013
5/17/2010	13:58:04	0.014
5/17/2010	13:59:04	0.014
5/17/2010	14:00:04	0.014
5/17/2010	14:01:04	0.012
5/17/2010	14:02:04	0.013
5/17/2010	14:03:04	0.012
5/17/2010	14:04:04	0.013
5/17/2010	14:05:04	0.012

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 17, 2010

5/17/2010	14:06:04	0.012
5/17/2010	14:07:04	0.012
5/17/2010	14:08:04	0.014
5/17/2010	14:09:04	0.014
5/17/2010	14:10:04	0.013
5/17/2010	14:11:04	0.015
5/17/2010	14:12:04	0.012
5/17/2010	14:13:04	0.013
5/17/2010	14:14:04	0.013
5/17/2010	14:15:04	0.013
5/17/2010	14:16:04	0.014
5/17/2010	14:17:04	0.012
5/17/2010	14:18:04	0.013
5/17/2010	14:19:04	0.013
5/17/2010	14:20:04	0.012
5/17/2010	14:21:04	0.013
5/17/2010	14:22:04	0.013
5/17/2010	14:23:04	0.014
5/17/2010	14:24:04	0.013
5/17/2010	14:25:04	0.013
5/17/2010	14:26:04	0.013
5/17/2010	14:27:04	0.013
5/17/2010	14:28:04	0.014
5/17/2010	14:29:04	0.014
5/17/2010	14:30:04	0.015
5/17/2010	14:31:04	0.016
5/17/2010	14:32:04	0.014
5/17/2010	14:33:04	0.014
5/17/2010	14:34:04	0.014
5/17/2010	14:35:04	0.014
5/17/2010	14:36:04	0.013
5/17/2010	14:37:04	0.014
5/17/2010	14:38:04	0.014
5/17/2010	14:39:04	0.014
5/17/2010	14:40:04	0.014
5/17/2010	14:41:04	0.014
5/17/2010	14:42:04	0.015
5/17/2010	14:43:04	0.014
5/17/2010	14:44:04	0.013
5/17/2010	14:45:04	0.014
5/17/2010	14:46:04	0.016
5/17/2010	14:47:04	0.014
5/17/2010	14:48:04	0.014
5/17/2010	14:49:04	0.013

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 17, 2010

5/17/2010	14:50:04	0.012
5/17/2010	14:51:04	0.013
5/17/2010	14:52:04	0.014
5/17/2010	14:53:04	0.013
5/17/2010	14:54:04	0.013
5/17/2010	14:55:04	0.012
5/17/2010	14:56:04	0.012
5/17/2010	14:57:04	0.013
5/17/2010	14:58:04	0.014

Former Reliable Truss (246 River Road) Daily Construction/Excavation Monitoring Summary

Date: 5/18/2010

Weather: 50s, overcast, calm

Activity:

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	No UW Unit					
ON SITE	85202244	0838	0.024	0.008	0.315	
DOWN WIND	85202130	0840	0.018	0.009	0.048	
UPWIND						
ON SITE		0904	0.023	0.008	0.315	
DOWN WIND		0905	0.013	0.008	0.048	Changing location to NW side of site.
UPWIND						
ON SITE		1041	0.017	0.006	0.315	
DOWN WIND		1043	0.017	0.007	0.101	Test ID 2
UPWIND						
ON SITE		1334	0.022	0.006	2.36	
DOWN WIND		1135	0.025	0.007	0.738	
UPWIND						
ON SITE		1238	0.022	0.006	2.36	
DOWN WIND		1234	0.023	0.007	0.768	
UPWIND						
ON SITE		1321	0.023	0.006	2.36	
DOWN WIND		1323	0.023	0.007	0.768	
UPWIND						
ON SITE		1349	0.022	0.006	2.36	
DOWN WIND		1353	0.023	0.007	1.21	

NOTES

Dust Monitoring Data - Worksite/Near Property
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 18, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	1
Test Abbreviation:	
Start Date:	5/18/2010
Start Time:	7:42:47
Duration (dd:hh:mm:ss):	0:06:09:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	369
Notes:	Worksite/Nearest Property

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.022
Minimum:	0.009
Time of Minimum:	8:34:47
Date of Minimum:	5/18/2010
Maximum:	0.817
Time of Maximum:	11:29:47
Date of Maximum:	5/18/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/18/2010	7:43:47	0.046
5/18/2010	7:44:47	0.036
5/18/2010	7:45:47	0.027
5/18/2010	7:46:47	0.028
5/18/2010	7:47:47	0.019
5/18/2010	7:48:47	0.019
5/18/2010	7:49:47	0.018
5/18/2010	7:50:47	0.017
5/18/2010	7:51:47	0.016
5/18/2010	7:52:47	0.014
5/18/2010	7:53:47	0.018
5/18/2010	7:54:47	0.017
5/18/2010	7:55:47	0.018

5/18/2010	7:56:47	0.017
5/18/2010	7:57:47	0.020
5/18/2010	7:58:47	0.018
5/18/2010	7:59:47	0.017
5/18/2010	8:00:47	0.018
5/18/2010	8:01:47	0.019
5/18/2010	8:02:47	0.020
5/18/2010	8:03:47	0.020
5/18/2010	8:04:47	0.014
5/18/2010	8:05:47	0.016
5/18/2010	8:06:47	0.077
5/18/2010	8:07:47	0.032
5/18/2010	8:08:47	0.055
5/18/2010	8:09:47	0.028
5/18/2010	8:10:47	0.026
5/18/2010	8:11:47	0.098
5/18/2010	8:12:47	0.032
5/18/2010	8:13:47	0.033
5/18/2010	8:14:47	0.035
5/18/2010	8:15:47	0.054
5/18/2010	8:16:47	0.037
5/18/2010	8:17:47	0.032
5/18/2010	8:18:47	0.028
5/18/2010	8:19:47	0.025
5/18/2010	8:20:47	0.024
5/18/2010	8:21:47	0.033
5/18/2010	8:22:47	0.030
5/18/2010	8:23:47	0.023
5/18/2010	8:24:47	0.020
5/18/2010	8:25:47	0.019
5/18/2010	8:26:47	0.014
5/18/2010	8:27:47	0.015
5/18/2010	8:28:47	0.013
5/18/2010	8:29:47	0.011
5/18/2010	8:30:47	0.011
5/18/2010	8:31:47	0.012
5/18/2010	8:32:47	0.013
5/18/2010	8:33:47	0.011
5/18/2010	8:34:47	0.009
5/18/2010	8:35:47	0.011
5/18/2010	8:36:47	0.018
5/18/2010	8:37:47	0.014
5/18/2010	8:38:47	0.010
5/18/2010	8:39:47	0.011

5/18/2010	8:40:47	0.012
5/18/2010	8:41:47	0.018
5/18/2010	8:42:47	0.020
5/18/2010	8:43:47	0.018
5/18/2010	8:44:47	0.018
5/18/2010	8:45:47	0.028
5/18/2010	8:46:47	0.034
5/18/2010	8:47:47	0.031
5/18/2010	8:48:47	0.027
5/18/2010	8:49:47	0.028
5/18/2010	8:50:47	0.020
5/18/2010	8:51:47	0.024
5/18/2010	8:52:47	0.020
5/18/2010	8:53:47	0.018
5/18/2010	8:54:47	0.016
5/18/2010	8:55:47	0.027
5/18/2010	8:56:47	0.016
5/18/2010	8:57:47	0.017
5/18/2010	8:58:47	0.017
5/18/2010	8:59:47	0.015
5/18/2010	9:00:47	0.016
5/18/2010	9:01:47	0.015
5/18/2010	9:02:47	0.016
5/18/2010	9:03:47	0.015
5/18/2010	9:04:47	0.012
5/18/2010	9:05:47	0.011
5/18/2010	9:06:47	0.010
5/18/2010	9:07:47	0.011
5/18/2010	9:08:47	0.009
5/18/2010	9:09:47	0.009
5/18/2010	9:10:47	0.009
5/18/2010	9:11:47	0.010
5/18/2010	9:12:47	0.070
5/18/2010	9:13:47	0.012
5/18/2010	9:14:47	0.009
5/18/2010	9:15:47	0.009
5/18/2010	9:16:47	0.009
5/18/2010	9:17:47	0.021
5/18/2010	9:18:47	0.009
5/18/2010	9:19:47	0.009
5/18/2010	9:20:47	0.010
5/18/2010	9:21:47	0.010
5/18/2010	9:22:47	0.009
5/18/2010	9:23:47	0.009

5/18/2010	9:24:47	0.010
5/18/2010	9:25:47	0.010
5/18/2010	9:26:47	0.010
5/18/2010	9:27:47	0.011
5/18/2010	9:28:47	0.010
5/18/2010	9:29:47	0.010
5/18/2010	9:30:47	0.010
5/18/2010	9:31:47	0.009
5/18/2010	9:32:47	0.011
5/18/2010	9:33:47	0.010
5/18/2010	9:34:47	0.010
5/18/2010	9:35:47	0.011
5/18/2010	9:36:47	0.013
5/18/2010	9:37:47	0.017
5/18/2010	9:38:47	0.011
5/18/2010	9:39:47	0.011
5/18/2010	9:40:47	0.010
5/18/2010	9:41:47	0.009
5/18/2010	9:42:47	0.009
5/18/2010	9:43:47	0.009
5/18/2010	9:44:47	0.010
5/18/2010	9:45:47	0.010
5/18/2010	9:46:47	0.010
5/18/2010	9:47:47	0.012
5/18/2010	9:48:47	0.011
5/18/2010	9:49:47	0.011
5/18/2010	9:50:47	0.012
5/18/2010	9:51:47	0.010
5/18/2010	9:52:47	0.011
5/18/2010	9:53:47	0.011
5/18/2010	9:54:47	0.010
5/18/2010	9:55:47	0.010
5/18/2010	9:56:47	0.010
5/18/2010	9:57:47	0.012
5/18/2010	9:58:47	0.011
5/18/2010	9:59:47	0.013
5/18/2010	10:00:47	0.013
5/18/2010	10:01:47	0.013
5/18/2010	10:02:47	0.013
5/18/2010	10:03:47	0.014
5/18/2010	10:04:47	0.013
5/18/2010	10:05:47	0.013
5/18/2010	10:06:47	0.012
5/18/2010	10:07:47	0.013

5/18/2010	10:08:47	0.021
5/18/2010	10:09:47	0.013
5/18/2010	10:10:47	0.012
5/18/2010	10:11:47	0.011
5/18/2010	10:12:47	0.014
5/18/2010	10:13:47	0.011
5/18/2010	10:14:47	0.011
5/18/2010	10:15:47	0.012
5/18/2010	10:16:47	0.012
5/18/2010	10:17:47	0.011
5/18/2010	10:18:47	0.011
5/18/2010	10:19:47	0.011
5/18/2010	10:20:47	0.015
5/18/2010	10:21:47	0.012
5/18/2010	10:22:47	0.012
5/18/2010	10:23:47	0.013
5/18/2010	10:24:47	0.016
5/18/2010	10:25:47	0.014
5/18/2010	10:26:47	0.018
5/18/2010	10:27:47	0.013
5/18/2010	10:28:47	0.015
5/18/2010	10:29:47	0.012
5/18/2010	10:30:47	0.015
5/18/2010	10:31:47	0.017
5/18/2010	10:32:47	0.019
5/18/2010	10:33:47	0.015
5/18/2010	10:34:47	0.016
5/18/2010	10:35:47	0.012
5/18/2010	10:36:47	0.013
5/18/2010	10:37:47	0.013
5/18/2010	10:38:47	0.012
5/18/2010	10:39:47	0.012
5/18/2010	10:40:47	0.013
5/18/2010	10:41:47	0.012
5/18/2010	10:42:47	0.013
5/18/2010	10:43:47	0.012
5/18/2010	10:44:47	0.015
5/18/2010	10:45:47	0.013
5/18/2010	10:46:47	0.013
5/18/2010	10:47:47	0.280
5/18/2010	10:48:47	0.018
5/18/2010	10:49:47	0.020
5/18/2010	10:50:47	0.013
5/18/2010	10:51:47	0.015

5/18/2010	10:52:47	0.013
5/18/2010	10:53:47	0.013
5/18/2010	10:54:47	0.012
5/18/2010	10:55:47	0.010
5/18/2010	10:56:47	0.014
5/18/2010	10:57:47	0.028
5/18/2010	10:58:47	0.012
5/18/2010	10:59:47	0.013
5/18/2010	11:00:47	0.012
5/18/2010	11:01:47	0.012
5/18/2010	11:02:47	0.012
5/18/2010	11:03:47	0.016
5/18/2010	11:04:47	0.012
5/18/2010	11:05:47	0.014
5/18/2010	11:06:47	0.013
5/18/2010	11:07:47	0.013
5/18/2010	11:08:47	0.011
5/18/2010	11:09:47	0.015
5/18/2010	11:10:47	0.014
5/18/2010	11:11:47	0.021
5/18/2010	11:12:47	0.013
5/18/2010	11:13:47	0.033
5/18/2010	11:14:47	0.016
5/18/2010	11:15:47	0.013
5/18/2010	11:16:47	0.015
5/18/2010	11:17:47	0.018
5/18/2010	11:18:47	0.014
5/18/2010	11:19:47	0.022
5/18/2010	11:20:47	0.025
5/18/2010	11:21:47	0.019
5/18/2010	11:22:47	0.013
5/18/2010	11:23:47	0.015
5/18/2010	11:24:47	0.017
5/18/2010	11:25:47	0.013
5/18/2010	11:26:47	0.013
5/18/2010	11:27:47	0.015
5/18/2010	11:28:47	0.012
5/18/2010	11:29:47	0.817
5/18/2010	11:30:47	0.056
5/18/2010	11:31:47	0.014
5/18/2010	11:32:47	0.014
5/18/2010	11:33:47	0.015
5/18/2010	11:34:47	0.015
5/18/2010	11:35:47	0.015

5/18/2010	11:36:47	0.015
5/18/2010	11:37:47	0.027
5/18/2010	11:38:47	0.017
5/18/2010	11:39:47	0.026
5/18/2010	11:40:47	0.019
5/18/2010	11:41:47	0.027
5/18/2010	11:42:47	0.019
5/18/2010	11:43:47	0.032
5/18/2010	11:44:47	0.015
5/18/2010	11:45:47	0.053
5/18/2010	11:46:47	0.048
5/18/2010	11:47:47	0.033
5/18/2010	11:48:47	0.029
5/18/2010	11:49:47	0.021
5/18/2010	11:50:47	0.018
5/18/2010	11:51:47	0.113
5/18/2010	11:52:47	0.045
5/18/2010	11:53:47	0.047
5/18/2010	11:54:47	0.090
5/18/2010	11:55:47	0.028
5/18/2010	11:56:47	0.024
5/18/2010	11:57:47	0.015
5/18/2010	11:58:47	0.019
5/18/2010	11:59:47	0.029
5/18/2010	12:00:47	0.025
5/18/2010	12:01:47	0.018
5/18/2010	12:02:47	0.014
5/18/2010	12:03:47	0.015
5/18/2010	12:04:47	0.016
5/18/2010	12:05:47	0.014
5/18/2010	12:06:47	0.013
5/18/2010	12:07:47	0.012
5/18/2010	12:08:47	0.013
5/18/2010	12:09:47	0.013
5/18/2010	12:10:47	0.019
5/18/2010	12:11:47	0.012
5/18/2010	12:12:47	0.012
5/18/2010	12:13:47	0.012
5/18/2010	12:14:47	0.014
5/18/2010	12:15:47	0.014
5/18/2010	12:16:47	0.013
5/18/2010	12:17:47	0.013
5/18/2010	12:18:47	0.012
5/18/2010	12:19:47	0.013

5/18/2010	12:20:47	0.014
5/18/2010	12:21:47	0.016
5/18/2010	12:22:47	0.014
5/18/2010	12:23:47	0.013
5/18/2010	12:24:47	0.012
5/18/2010	12:25:47	0.013
5/18/2010	12:26:47	0.013
5/18/2010	12:27:47	0.017
5/18/2010	12:28:47	0.014
5/18/2010	12:29:47	0.013
5/18/2010	12:30:47	0.014
5/18/2010	12:31:47	0.013
5/18/2010	12:32:47	0.013
5/18/2010	12:33:47	0.013
5/18/2010	12:34:47	0.014
5/18/2010	12:35:47	0.017
5/18/2010	12:36:47	0.013
5/18/2010	12:37:47	0.228
5/18/2010	12:38:47	0.032
5/18/2010	12:39:47	0.014
5/18/2010	12:40:47	0.013
5/18/2010	12:41:47	0.019
5/18/2010	12:42:47	0.016
5/18/2010	12:43:47	0.015
5/18/2010	12:44:47	0.016
5/18/2010	12:45:47	0.028
5/18/2010	12:46:47	0.018
5/18/2010	12:47:47	0.127
5/18/2010	12:48:47	0.068
5/18/2010	12:49:47	0.016
5/18/2010	12:50:47	0.032
5/18/2010	12:51:47	0.018
5/18/2010	12:52:47	0.012
5/18/2010	12:53:47	0.034
5/18/2010	12:54:47	0.025
5/18/2010	12:55:47	0.018
5/18/2010	12:56:47	0.015
5/18/2010	12:57:47	0.013
5/18/2010	12:58:47	0.016
5/18/2010	12:59:47	0.016
5/18/2010	13:00:47	0.018
5/18/2010	13:01:47	0.204
5/18/2010	13:02:47	0.039
5/18/2010	13:03:47	0.019

5/18/2010	13:04:47	0.015
5/18/2010	13:05:47	0.012
5/18/2010	13:06:47	0.013
5/18/2010	13:07:47	0.013
5/18/2010	13:08:47	0.013
5/18/2010	13:09:47	0.013
5/18/2010	13:10:47	0.014
5/18/2010	13:11:47	0.013
5/18/2010	13:12:47	0.013
5/18/2010	13:13:47	0.013
5/18/2010	13:14:47	0.013
5/18/2010	13:15:47	0.016
5/18/2010	13:16:47	0.023
5/18/2010	13:17:47	0.014
5/18/2010	13:18:47	0.028
5/18/2010	13:19:47	0.013
5/18/2010	13:20:47	0.017
5/18/2010	13:21:47	0.015
5/18/2010	13:22:47	0.013
5/18/2010	13:23:47	0.013
5/18/2010	13:24:47	0.013
5/18/2010	13:25:47	0.013
5/18/2010	13:26:47	0.013
5/18/2010	13:27:47	0.025
5/18/2010	13:28:47	0.014
5/18/2010	13:29:47	0.017
5/18/2010	13:30:47	0.018
5/18/2010	13:31:47	0.014
5/18/2010	13:32:47	0.012
5/18/2010	13:33:47	0.016
5/18/2010	13:34:47	0.015
5/18/2010	13:35:47	0.014
5/18/2010	13:36:47	0.015
5/18/2010	13:37:47	0.013
5/18/2010	13:38:47	0.013
5/18/2010	13:39:47	0.013
5/18/2010	13:40:47	0.014
5/18/2010	13:41:47	0.013
5/18/2010	13:42:47	0.013
5/18/2010	13:43:47	0.015
5/18/2010	13:44:47	0.012
5/18/2010	13:45:47	0.013
5/18/2010	13:46:47	0.012
5/18/2010	13:47:47	0.014

5/18/2010	13:48:47	0.014
5/18/2010	13:49:47	0.014
5/18/2010	13:50:47	0.015
5/18/2010	13:51:47	0.014

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Model:	Dust Trak
Model Number:	8520
Serial Number:	85202131
Test ID:	1
Test Abbreviation:	
Start Date:	5/24/2010
Start Time:	8:07:06
Duration (dd:hh:mm:ss):	0:00:15:00
Time constant (seconds):	60
Log Interval (mm:ss):	15:00
Number of points:	1
Notes:	

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.014
Minimum:	0.014
Time of Minimum:	8:22:06
Date of Minimum:	5/24/2010
Maximum:	0.014
Time of Maximum:	8:22:06
Date of Maximum:	5/24/2010

Calibration

Sensor:	Aerosol
Cal. date	10/1/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/24/2010	8:22:06	0.014

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202131
Test ID:	2
Test Abbreviation:	
Start Date:	5/24/2010
Start Time:	8:29:41
Duration (dd:hh:mm:ss):	0:03:00:00
Time constant (seconds):	60
Log Interval (mm:ss):	15:00
Number of points:	12

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Notes:

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.031
Minimum:	0.012
Time of Minimum:	8:44:41
Date of Minimum:	5/24/2010
Maximum:	0.052
Time of Maximum:	11:14:41
Date of Maximum:	5/24/2010

Calibration

Sensor:	Aerosol
Cal. date	10/1/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/24/2010	8:44:41	0.012
5/24/2010	8:59:41	0.016
5/24/2010	9:14:41	0.022
5/24/2010	9:29:41	0.020
5/24/2010	9:44:41	0.023
5/24/2010	9:59:41	0.032
5/24/2010	10:14:41	0.037
5/24/2010	10:29:41	0.035
5/24/2010	10:44:41	0.034
5/24/2010	10:59:41	0.046
5/24/2010	11:14:41	0.052
5/24/2010	11:29:41	0.048

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Model:	Dust Trak
Model Number:	8520
Serial Number:	85202130
Test ID:	1
Test Abbreviation:	
Start Date:	5/24/2010
Start Time:	8:34:53
Duration (dd:hh:mm:ss):	0:02:54:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	174
Notes:	

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.017
Minimum:	0.01
Time of Minimum:	8:35:53
Date of Minimum:	5/24/2010
Maximum:	0.048
Time of Maximum:	10:48:53
Date of Maximum:	5/24/2010

Calibration

Sensor:	Aerosol
Cal. date	4/14/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/24/2010	8:35:53	0.010
5/24/2010	8:36:53	0.011
5/24/2010	8:37:53	0.014
5/24/2010	8:38:53	0.016
5/24/2010	8:39:53	0.014
5/24/2010	8:40:53	0.012
5/24/2010	8:41:53	0.014
5/24/2010	8:42:53	0.014
5/24/2010	8:43:53	0.016
5/24/2010	8:44:53	0.017
5/24/2010	8:45:53	0.018
5/24/2010	8:46:53	0.017
5/24/2010	8:47:53	0.016

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5/24/2010	8:48:53	0.018
5/24/2010	8:49:53	0.015
5/24/2010	8:50:53	0.018
5/24/2010	8:51:53	0.018
5/24/2010	8:52:53	0.015
5/24/2010	8:53:53	0.016
5/24/2010	8:54:53	0.017
5/24/2010	8:55:53	0.015
5/24/2010	8:56:53	0.016
5/24/2010	8:57:53	0.016
5/24/2010	8:58:53	0.019
5/24/2010	8:59:53	0.016
5/24/2010	9:00:53	0.014
5/24/2010	9:01:53	0.015
5/24/2010	9:02:53	0.018
5/24/2010	9:03:53	0.017
5/24/2010	9:04:53	0.017
5/24/2010	9:05:53	0.018
5/24/2010	9:06:53	0.019
5/24/2010	9:07:53	0.026
5/24/2010	9:08:53	0.020
5/24/2010	9:09:53	0.016
5/24/2010	9:10:53	0.015
5/24/2010	9:11:53	0.017
5/24/2010	9:12:53	0.017
5/24/2010	9:13:53	0.017
5/24/2010	9:14:53	0.018
5/24/2010	9:15:53	0.017
5/24/2010	9:16:53	0.016
5/24/2010	9:17:53	0.015
5/24/2010	9:18:53	0.015
5/24/2010	9:19:53	0.014
5/24/2010	9:20:53	0.017
5/24/2010	9:21:53	0.013
5/24/2010	9:22:53	0.014
5/24/2010	9:23:53	0.014
5/24/2010	9:24:53	0.015
5/24/2010	9:25:53	0.020
5/24/2010	9:26:53	0.017
5/24/2010	9:27:53	0.015
5/24/2010	9:28:53	0.017
5/24/2010	9:29:53	0.016
5/24/2010	9:30:53	0.021
5/24/2010	9:31:53	0.015

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5/24/2010	9:32:53	0.015
5/24/2010	9:33:53	0.016
5/24/2010	9:34:53	0.020
5/24/2010	9:35:53	0.021
5/24/2010	9:36:53	0.017
5/24/2010	9:37:53	0.017
5/24/2010	9:38:53	0.015
5/24/2010	9:39:53	0.016
5/24/2010	9:40:53	0.018
5/24/2010	9:41:53	0.040
5/24/2010	9:42:53	0.020
5/24/2010	9:43:53	0.016
5/24/2010	9:44:53	0.017
5/24/2010	9:45:53	0.021
5/24/2010	9:46:53	0.017
5/24/2010	9:47:53	0.017
5/24/2010	9:48:53	0.017
5/24/2010	9:49:53	0.016
5/24/2010	9:50:53	0.017
5/24/2010	9:51:53	0.017
5/24/2010	9:52:53	0.018
5/24/2010	9:53:53	0.015
5/24/2010	9:54:53	0.018
5/24/2010	9:55:53	0.015
5/24/2010	9:56:53	0.016
5/24/2010	9:57:53	0.019
5/24/2010	9:58:53	0.017
5/24/2010	9:59:53	0.016
5/24/2010	10:00:53	0.014
5/24/2010	10:01:53	0.014
5/24/2010	10:02:53	0.015
5/24/2010	10:03:53	0.014
5/24/2010	10:04:53	0.015
5/24/2010	10:05:53	0.015
5/24/2010	10:06:53	0.016
5/24/2010	10:07:53	0.015
5/24/2010	10:08:53	0.022
5/24/2010	10:09:53	0.016
5/24/2010	10:10:53	0.016
5/24/2010	10:11:53	0.014
5/24/2010	10:12:53	0.015
5/24/2010	10:13:53	0.015
5/24/2010	10:14:53	0.015
5/24/2010	10:15:53	0.016

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5/24/2010	10:16:53	0.015
5/24/2010	10:17:53	0.015
5/24/2010	10:18:53	0.017
5/24/2010	10:19:53	0.016
5/24/2010	10:20:53	0.015
5/24/2010	10:21:53	0.016
5/24/2010	10:22:53	0.015
5/24/2010	10:23:53	0.017
5/24/2010	10:24:53	0.015
5/24/2010	10:25:53	0.015
5/24/2010	10:26:53	0.014
5/24/2010	10:27:53	0.014
5/24/2010	10:28:53	0.014
5/24/2010	10:29:53	0.014
5/24/2010	10:30:53	0.016
5/24/2010	10:31:53	0.014
5/24/2010	10:32:53	0.014
5/24/2010	10:33:53	0.014
5/24/2010	10:34:53	0.016
5/24/2010	10:35:53	0.013
5/24/2010	10:36:53	0.016
5/24/2010	10:37:53	0.014
5/24/2010	10:38:53	0.013
5/24/2010	10:39:53	0.015
5/24/2010	10:40:53	0.014
5/24/2010	10:41:53	0.017
5/24/2010	10:42:53	0.023
5/24/2010	10:43:53	0.014
5/24/2010	10:44:53	0.014
5/24/2010	10:45:53	0.015
5/24/2010	10:46:53	0.014
5/24/2010	10:47:53	0.014
5/24/2010	10:48:53	0.048
5/24/2010	10:49:53	0.016
5/24/2010	10:50:53	0.014
5/24/2010	10:51:53	0.015
5/24/2010	10:52:53	0.014
5/24/2010	10:53:53	0.014
5/24/2010	10:54:53	0.015
5/24/2010	10:55:53	0.014
5/24/2010	10:56:53	0.016
5/24/2010	10:57:53	0.015
5/24/2010	10:58:53	0.015
5/24/2010	10:59:53	0.014

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5/24/2010	11:00:53	0.015
5/24/2010	11:01:53	0.027
5/24/2010	11:02:53	0.021
5/24/2010	11:03:53	0.014
5/24/2010	11:04:53	0.016
5/24/2010	11:05:53	0.015
5/24/2010	11:06:53	0.015
5/24/2010	11:07:53	0.016
5/24/2010	11:08:53	0.015
5/24/2010	11:09:53	0.014
5/24/2010	11:10:53	0.014
5/24/2010	11:11:53	0.017
5/24/2010	11:12:53	0.015
5/24/2010	11:13:53	0.014
5/24/2010	11:14:53	0.015
5/24/2010	11:15:53	0.015
5/24/2010	11:16:53	0.017
5/24/2010	11:17:53	0.015
5/24/2010	11:18:53	0.014
5/24/2010	11:19:53	0.014
5/24/2010	11:20:53	0.025
5/24/2010	11:21:53	0.040
5/24/2010	11:22:53	0.016
5/24/2010	11:23:53	0.018
5/24/2010	11:24:53	0.016
5/24/2010	11:25:53	0.016
5/24/2010	11:26:53	0.017
5/24/2010	11:27:53	0.024
5/24/2010	11:28:53	0.042

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Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	1
Test Abbreviation:	
Start Date:	5/24/2010
Start Time:	8:05:09
Duration (dd:hh:mm:ss):	0:00:35:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	35
Notes:	

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.016
Minimum:	0.013
Time of Minimum:	8:26:09
Date of Minimum:	5/24/2010
Maximum:	0.03
Time of Maximum:	8:37:09
Date of Maximum:	5/24/2010

Calibration

Sensor:	Aerosol
Cal. date	10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/24/2010	8:06:09	0.017
5/24/2010	8:07:09	0.016
5/24/2010	8:08:09	0.014
5/24/2010	8:09:09	0.015
5/24/2010	8:10:09	0.014
5/24/2010	8:11:09	0.014
5/24/2010	8:12:09	0.015
5/24/2010	8:13:09	0.014
5/24/2010	8:14:09	0.015
5/24/2010	8:15:09	0.016
5/24/2010	8:16:09	0.016
5/24/2010	8:17:09	0.015
5/24/2010	8:18:09	0.016

5/24/2010	8:19:09	0.015
5/24/2010	8:20:09	0.014
5/24/2010	8:21:09	0.014
5/24/2010	8:22:09	0.019
5/24/2010	8:23:09	0.015
5/24/2010	8:24:09	0.015
5/24/2010	8:25:09	0.014
5/24/2010	8:26:09	0.013
5/24/2010	8:27:09	0.014
5/24/2010	8:28:09	0.014
5/24/2010	8:29:09	0.015
5/24/2010	8:30:09	0.016
5/24/2010	8:31:09	0.017
5/24/2010	8:32:09	0.014
5/24/2010	8:33:09	0.017
5/24/2010	8:34:09	0.016
5/24/2010	8:35:09	0.016
5/24/2010	8:36:09	0.021
5/24/2010	8:37:09	0.030
5/24/2010	8:38:09	0.021
5/24/2010	8:39:09	0.018
5/24/2010	8:40:09	0.017

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202244
Test ID:	2
Test Abbreviation:	
Start Date:	5/24/2010
Start Time:	8:47:02
Duration (dd:hh:mm:ss):	0:02:37:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	157
Notes:	

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.014
Minimum:	0.011
Time of Minimum:	9:59:02
Date of Minimum:	5/24/2010
Maximum:	0.037

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Time of Maximum: 8:48:02
Date of Maximum: 5/24/2010

Calibration
Sensor: Aerosol
Cal. date 10/2/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
5/24/2010	8:48:02	0.037
5/24/2010	8:49:02	0.022
5/24/2010	8:50:02	0.017
5/24/2010	8:51:02	0.014
5/24/2010	8:52:02	0.014
5/24/2010	8:53:02	0.028
5/24/2010	8:54:02	0.020
5/24/2010	8:55:02	0.014
5/24/2010	8:56:02	0.017
5/24/2010	8:57:02	0.017
5/24/2010	8:58:02	0.016
5/24/2010	8:59:02	0.016
5/24/2010	9:00:02	0.017
5/24/2010	9:01:02	0.014
5/24/2010	9:02:02	0.016
5/24/2010	9:03:02	0.015
5/24/2010	9:04:02	0.016
5/24/2010	9:05:02	0.016
5/24/2010	9:06:02	0.015
5/24/2010	9:07:02	0.015
5/24/2010	9:08:02	0.015
5/24/2010	9:09:02	0.016
5/24/2010	9:10:02	0.015
5/24/2010	9:11:02	0.015
5/24/2010	9:12:02	0.015
5/24/2010	9:13:02	0.014
5/24/2010	9:14:02	0.017
5/24/2010	9:15:02	0.019
5/24/2010	9:16:02	0.017
5/24/2010	9:17:02	0.017
5/24/2010	9:18:02	0.016
5/24/2010	9:19:02	0.016
5/24/2010	9:20:02	0.015
5/24/2010	9:21:02	0.015
5/24/2010	9:22:02	0.015

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5/24/2010	9:23:02	0.014
5/24/2010	9:24:02	0.012
5/24/2010	9:25:02	0.014
5/24/2010	9:26:02	0.013
5/24/2010	9:27:02	0.013
5/24/2010	9:28:02	0.014
5/24/2010	9:29:02	0.015
5/24/2010	9:30:02	0.015
5/24/2010	9:31:02	0.014
5/24/2010	9:32:02	0.013
5/24/2010	9:33:02	0.013
5/24/2010	9:34:02	0.013
5/24/2010	9:35:02	0.012
5/24/2010	9:36:02	0.012
5/24/2010	9:37:02	0.013
5/24/2010	9:38:02	0.016
5/24/2010	9:39:02	0.012
5/24/2010	9:40:02	0.013
5/24/2010	9:41:02	0.012
5/24/2010	9:42:02	0.013
5/24/2010	9:43:02	0.014
5/24/2010	9:44:02	0.013
5/24/2010	9:45:02	0.013
5/24/2010	9:46:02	0.015
5/24/2010	9:47:02	0.014
5/24/2010	9:48:02	0.012
5/24/2010	9:49:02	0.013
5/24/2010	9:50:02	0.012
5/24/2010	9:51:02	0.012
5/24/2010	9:52:02	0.012
5/24/2010	9:53:02	0.014
5/24/2010	9:54:02	0.014
5/24/2010	9:55:02	0.012
5/24/2010	9:56:02	0.013
5/24/2010	9:57:02	0.012
5/24/2010	9:58:02	0.012
5/24/2010	9:59:02	0.011
5/24/2010	10:00:02	0.013
5/24/2010	10:01:02	0.012
5/24/2010	10:02:02	0.012
5/24/2010	10:03:02	0.011
5/24/2010	10:04:02	0.012
5/24/2010	10:05:02	0.011
5/24/2010	10:06:02	0.012

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 24, 2010

5/24/2010	10:07:02	0.012
5/24/2010	10:08:02	0.012
5/24/2010	10:09:02	0.012
5/24/2010	10:10:02	0.012
5/24/2010	10:11:02	0.017
5/24/2010	10:12:02	0.012
5/24/2010	10:13:02	0.012
5/24/2010	10:14:02	0.011
5/24/2010	10:15:02	0.012
5/24/2010	10:16:02	0.012
5/24/2010	10:17:02	0.014
5/24/2010	10:18:02	0.013
5/24/2010	10:19:02	0.014
5/24/2010	10:20:02	0.014
5/24/2010	10:21:02	0.016
5/24/2010	10:22:02	0.014
5/24/2010	10:23:02	0.013
5/24/2010	10:24:02	0.013
5/24/2010	10:25:02	0.013
5/24/2010	10:26:02	0.013
5/24/2010	10:27:02	0.012
5/24/2010	10:28:02	0.012
5/24/2010	10:29:02	0.012
5/24/2010	10:30:02	0.013
5/24/2010	10:31:02	0.012
5/24/2010	10:32:02	0.012
5/24/2010	10:33:02	0.013
5/24/2010	10:34:02	0.013
5/24/2010	10:35:02	0.012
5/24/2010	10:36:02	0.012
5/24/2010	10:37:02	0.012
5/24/2010	10:38:02	0.012
5/24/2010	10:39:02	0.019
5/24/2010	10:40:02	0.012
5/24/2010	10:41:02	0.012
5/24/2010	10:42:02	0.011
5/24/2010	10:43:02	0.015
5/24/2010	10:44:02	0.014
5/24/2010	10:45:02	0.013
5/24/2010	10:46:02	0.013
5/24/2010	10:47:02	0.012
5/24/2010	10:48:02	0.013
5/24/2010	10:49:02	0.013
5/24/2010	10:50:02	0.013

Dust Monitoring Data - Downwind
City of New Bedford - Former Reliable Truss Site
New Bedford, Massachusetts
May 24, 2010

5/24/2010	10:51:02	0.013
5/24/2010	10:52:02	0.015
5/24/2010	10:53:02	0.014
5/24/2010	10:54:02	0.015
5/24/2010	10:55:02	0.014
5/24/2010	10:56:02	0.014
5/24/2010	10:57:02	0.014
5/24/2010	10:58:02	0.014
5/24/2010	10:59:02	0.014
5/24/2010	11:00:02	0.014
5/24/2010	11:01:02	0.017
5/24/2010	11:02:02	0.013
5/24/2010	11:03:02	0.016
5/24/2010	11:04:02	0.014
5/24/2010	11:05:02	0.015
5/24/2010	11:06:02	0.014
5/24/2010	11:07:02	0.014
5/24/2010	11:08:02	0.014
5/24/2010	11:09:02	0.014
5/24/2010	11:10:02	0.014
5/24/2010	11:11:02	0.014
5/24/2010	11:12:02	0.014
5/24/2010	11:13:02	0.014
5/24/2010	11:14:02	0.014
5/24/2010	11:15:02	0.015
5/24/2010	11:16:02	0.014
5/24/2010	11:17:02	0.014
5/24/2010	11:18:02	0.015
5/24/2010	11:19:02	0.014
5/24/2010	11:20:02	0.014
5/24/2010	11:21:02	0.013
5/24/2010	11:22:02	0.014
5/24/2010	11:23:02	0.014
5/24/2010	11:24:02	0.015

Former Reliable Truss (246 River Road) Dust Monitoring Summary

Date: 5/27/2010

Weather: 50s-60s, partly cloudy

Activity: Grubbing soils loadout to Crapo Hill, electric trenching

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND		0900	0.009			DT-1 in field notes
ON SITE		0900	0.014			DT-2 in field notes
DOWN WIND		0900	0.011			DT-3 in field notes
UPWIND		1000	0.011			
ON SITE		1000	0.016			
DOWN WIND		1000	0.015			
UPWIND		1100	0.014			
ON SITE		1100	0.015			
DOWN WIND		1100	0.013			
UPWIND		1200	0.016			
ON SITE		1200	0.014			
DOWN WIND		1200	0.011			
UPWIND		1300	0.016			
ON SITE		1300	0.013			
DOWN WIND		1300	0.010			
UPWIND		1400	0.017			
ON SITE		1400	0.013			
DOWN WIND		1400	0.011			
UPWIND		1500	0.022	0.001	0.151	End of day - shutting down DustTraks
ON SITE		1500	0.013	0.003	0.52	
DOWN WIND		1500	0.004	0.004	0.062	
UPWIND						
ON SITE						
DOWN WIND						

NOTES

Former Reliable Truss (246 River Road) Dust Monitoring Summary

Date: 5/28/2010

Weather: Sunny/partly cloudy, winds from N/NW 2-8 mph with gust to 10-15 mph

Activity: Electric utility trenching on east side of proposed park drive roadway

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	DT-1	0800	0.002			DT-1 in field notes
ON SITE	DT-2	0800	0.007			DT-2 in field notes
DOWN WIND	DT-3	0800	0.008			DT-3 in field notes
UPWIND		0900	0.005			
ON SITE		0900	0.009			
DOWN WIND		0900	0.010			
UPWIND		1000	0.005			
ON SITE		1000	0.008			
DOWN WIND		1000	0.009			
UPWIND		1100	0.013			
ON SITE		1100	0.010			
DOWN WIND		1100	0.008			
UPWIND		1200	0.012			
ON SITE		1200	0.013			
DOWN WIND		1200	0.007			
UPWIND		1300	0.012			
ON SITE		1300	0.019			
DOWN WIND		1300	0.009			
UPWIND		1400	0.013			
ON SITE		1400	0.026			
DOWN WIND		1400	0.008			
UPWIND	DT-3	1500	0.007			Wind now from SSE
ON SITE	DT-2	1500	0.028			
DOWN WIND	DT-1	1500	0.014			
UPWIND		1600	0.006	0.000	1.19	End of workday - Shutting down DustTraks
ON SITE		1600	0.030	0.000	0.551	
DOWN WIND		1600	0.013	0.000	4.20	

NOTES

Former Reliable Truss (246 River Road) Dust Monitoring Summary

Date: 6/1/2010

Weather: 70 F, humid, recent rain, wind from N/NE

Activity: Utility trenching, impacted stockpile mixing with stabilization reagent

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	DT-1	1408	0.007		0.235	DT-1 in field notes
ON SITE	DT-2	1412	0.007		0.035	DT-2 in field notes
DOWN WIND	DT-3	1415	0.003		0.168	DT-3 in field notes
UPWIND		1447	0.008		0.235	End of workday - Shutting down DustTraks
ON SITE		1450	0.005		0.047	
DOWN WIND		0900	0.003		0.234	
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						

NOTES

Former Reliable Truss (246 River Road) Dust Monitoring Summary

Date: 6/2/2010

Weather: 70s-80s, humid, clear/partly cloudy, wind from N

Activity: Site grading

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	DT-1	0830	0.000			DT-1 in field notes
ON SITE	DT-2	0830	0.002			DT-2 in field notes
DOWN WIND	DT-3	0830	0.001			DT-3 in field notes
UPWIND		1100	0.003			
ON SITE		1100	0.003			
DOWN WIND		1100	0.004			
UPWIND		1200	0.007			
ON SITE		1200	0.004			
DOWN WIND		1200	0.006			
UPWIND		1300	0.009			
ON SITE		1300	0.006			
DOWN WIND		1300	0.008			
UPWIND		1400	0.009	0.000	0.248	End of workday - shutting down DustTraks
ON SITE		1400	0.008	0.000	0.588	
DOWN WIND		1400	0.010	0.000	0.037	
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						

NOTES

Former Reliable Truss (246 River Road) Dust Monitoring Summary

Date: 6/3/2010

Weather: 50s-60s, overcast, light rain, wind 6-8 mph from SSE

Activity: Utility Trenching

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	DT-2	0900	0.002			DT-2 in field notes
ON SITE						No worksite DT today.
DOWN WIND	DT-1	0900	0.004			DT-1 in field notes
UPWIND		1000	0.001			
ON SITE						
DOWN WIND		1000	0.006			
UPWIND		1100	0.001			
ON SITE						
DOWN WIND		1100	0.009			
UPWIND		1200	0.003			
ON SITE						
DOWN WIND		1200	0.013			
UPWIND		1300	0.004	0.000	0.227	End of workday - shutting down DustTraks
ON SITE						
DOWN WIND		1300	0.013	0.000	0.644	
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						

NOTES

Former Reliable Truss (246 River Road) Dust Monitoring Summary

Date: 6/4/2010

Weather: 70s-80s, humid, wind from NNW @ 3-5 mph

Activity: Soil loadout of treated stockpile

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	DT-1	0800	0.003			DT-1 in field notes
ON SITE	DT-2	0800	0.004			DT-2 in field notes
DOWN WIND	DT-3	0800	0.002			DT-3 in field notes
UPWIND		0900	0.007			
ON SITE		0900	0.003			
DOWN WIND		0900	0.001			
UPWIND	DT-3	1000	0.002			Wind shifted to 5-8 mph out of SSE
ON SITE	DT-2	1000	0.003			
DOWN WIND	DT-1	1000	0.009			
UPWIND		1100	0.003			
ON SITE		1100	0.004			
DOWN WIND		1100	0.009			
UPWIND		1200	0.004			
ON SITE		1200	0.004			
DOWN WIND		1200	0.012			
UPWIND		1300	0.005			
ON SITE		1300	0.004			
DOWN WIND		1300	0.015			
UPWIND		1400	0.005	0.000	0.025	End of workday - shutting down DustTraks
ON SITE		1400	0.005	0.000	0.923	
DOWN WIND		1400	0.019	0.000	1.67	

NOTES

Former Reliable Truss (246 River Road) Dust Monitoring Summary

Date: 6/7/2010

Weather: 54-84 F, clear sunny, wind 8-14 mph out of NNW

Activity: Soil loadout of treated stockpile

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	DT-1	0800	0.003			DT-1 in field notes
ON SITE	DT-2	0800	0.002			DT-2 in field notes
DOWN WIND	DT-3	0800	0.001			DT-3 in field notes
UPWIND		0900	0.003			
ON SITE		0900	0.004			
DOWN WIND		0900	0.002			
UPWIND		1000	0.004			
ON SITE		1000	0.004			
DOWN WIND		1000	0.005			
UPWIND		1100	0.004			
ON SITE		1100	0.006			
DOWN WIND		1100	0.008			
UPWIND		1200	0.005			
ON SITE		1200	0.006			
DOWN WIND		1200	0.011			
UPWIND		1300	0.005			
ON SITE		1300	0.007			
DOWN WIND		1300	0.015			
UPWIND		1400	0.006			
ON SITE		1400	0.007			
DOWN WIND		1400	0.019			
UPWIND		1500	0.006			
ON SITE		1500	0.007			
DOWN WIND		1500	0.022			
UPWIND		1600	0.008			
ON SITE		1600	0.007			
DOWN WIND		1600	0.025			
UPWIND		1700	0.008	0.000	2.0	End of workday - shutting down DustTraks
ON SITE		1700	0.007	0.000	0.628	
DOWN WIND		1700	0.025	0.000	1.18	

NOTES

Former Reliable Truss (246 River Road) Dust Monitoring Summary

Date: 6/8/2010

Weather: Upper 40s to low 70s, clear sunny dry, wind 10-15 mph from north

Activity: Soil loadout of treated stockpile

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	DT-1	0900	0.006			DT-1 in field notes
ON SITE	DT-2	0900	0.017			DT-2 in field notes
DOWN WIND	DT-3	0900	0.004			DT-3 in field notes
UPWIND		0930	0.009			
ON SITE		0930	0.008			
DOWN WIND		0930	0.007			
UPWIND		1000	0.009			
ON SITE		1000	0.009			
DOWN WIND		1000	0.007			
UPWIND		1100	0.009			
ON SITE		1100	0.007			
DOWN WIND		1100	0.010			
UPWIND		1200	0.009			
ON SITE		1200	0.006			
DOWN WIND		1200	0.015			
UPWIND		1300	0.009			
ON SITE		1300	0.006			
DOWN WIND		1300	0.015			
UPWIND		1400	0.009	0.000	1.60	End of workday - shutting down DustTraks
ON SITE		1400	0.006	0.000	0.178	
DOWN WIND		1400	0.014	0.000	2.25	
UPWIND						
ON SITE						
DOWN WIND						

NOTES

Former Reliable Truss (246 River Road) Dust Monitoring Summary

Date: 6/9/2010

Weather: Low 50s to low 70s, clear in AM to overcast/light rain in PM, wind NE 5-6 mph

Activity: Soil loadout of treated stockpile

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	DT-1	0800	0.001			DT-1 in field notes
ON SITE	DT-2	0800	0.001			DT-2 in field notes
DOWN WIND	DT-3	0800	0.009			DT-3 in field notes
UPWIND		0900	0.003			
ON SITE		0900	0.001			
DOWN WIND		0900	0.010			
UPWIND		1000	0.004			
ON SITE		1000	0.003			
DOWN WIND		1000	0.011			
UPWIND		1100	0.007			
ON SITE		1100	0.004			
DOWN WIND		1100	0.010			
UPWIND	DT-3	1200	0.009			Wind now from SSE at 4-6 mph
ON SITE	DT-2	1200	0.006			
DOWN WIND	DT-1	1200	0.015			
UPWIND		1300	0.010			
ON SITE		1300	0.005			
DOWN WIND		1300	0.010			
UPWIND		1400	0.013			
ON SITE		1400	0.005			
DOWN WIND		1400	0.011			
UPWIND		1500	0.016	0.000	3.87	End of workday - shutting down DustTraks
ON SITE		1500	0.004	0.000	1.33	
DOWN WIND		1500	0.012	0.000	0.854	

NOTES

Former Reliable Truss (246 River Road) Daily Construction/Excavation Monitoring Summary

Date: 6/17/2010

Weather: 60-70°, wind primarily from North/Northeast, partly cloudy

Activity: NSP Stockpile Soil Loadout

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	DT-1	0900	0.006			DT-1 in field notes
ON SITE						
DOWN WIND	DT-2	0900	0.003			DT-2 in field notes
UPWIND	DT-1	1000	0.009			
ON SITE						
DOWN WIND	DT-2	1000	0.004			
UPWIND	DT-1	1100				Street sweeper active on River Road
ON SITE						
DOWN WIND	DT-2	1100				Street sweeper active on River Road
UPWIND	DT-1	1200	0..4			
ON SITE						
DOWN WIND	DT-2	1200	0.001			
UPWIND	DT-1	1300	0.003			
ON SITE						
DOWN WIND	DT-2	1300	0.002			
UPWIND	DT-1	1400	0.002	0.000	0.333	
ON SITE						
DOWN WIND	DT-2	1400	0.002	0.000	1.210	Maximum likely due to streetsweeper activity

NOTES

No Worksite DT today.

Former Reliable Truss (246 River Road) Soil Loadout Monitoring Summary

Date: 8/4/2010

Weather: 80's, humid, breezy

Activity: Loadout of soil to Crapo Hill

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	0855	1310	0.057	0.025	0.660	
ON SITE						
DOWN WIND	0858	1310	-0.999	0.360	-0.999	
UPWIND						Downwind and Upwind changed - 0858 not working right.
ON SITE						
DOWN WIND	0855	1345	0.057	0.025	0.660	
UPWIND						
ON SITE						
DOWN WIND		1400	0.049	0.025	0.066	
UPWIND						
ON SITE						
DOWN WIND		1410	0.047	0.025	0.660	
UPWIND						
ON SITE						
DOWN WIND		1420	0.046	0.025	0.660	
UPWIND						
ON SITE						
DOWN WIND		1440	0.046	0.025	0.660	
UPWIND						
ON SITE						
DOWN WIND		1500	0.046	0.025	0.66	Unit turned off

NOTES

Initial downwind unit (0858) did not appear to be working correctly. A re-calibration did not affect erroneous readings - the unit was reading 1+ mg/m^3 in ambient air.

Former Reliable Truss (246 River Road) Soil Loadout Monitoring Summary

Date: 8/5/2010

Weather: 70s-80s, humid, overcast

Activity: Loadout of soil to Crapo Hill

Location	Unit ID	Time	Average (mg/m^3)	Minimum	Maximum	Comments
UPWIND	0855					Unit reading over action limits for background - will not use.
ON SITE						
DOWN WIND	1501	0800	0.050	0.041	0.077	
UPWIND						Downwind and Upwind changed - 0858 not working right.
ON SITE						
DOWN WIND	1501	0835	0.048	0.037	0.109	
UPWIND						
ON SITE						
DOWN WIND		0915	0.049	0.037	0.109	
UPWIND						
ON SITE						
DOWN WIND		945	0.049	0.037	0.109	
UPWIND						
ON SITE						
DOWN WIND		1020	0.048	0.037	0.231	
UPWIND						
ON SITE						
DOWN WIND		1045	0.048	0.035	0.231	Starting to rain heavily - putting DustTrak away until it stops.
UPWIND						
ON SITE						
DOWN WIND		1215	0.072	0.011	0.349	
UPWIND						
ON SITE						
DOWN WIND		1225	0.072	0.011	0.413	Unit turned off - loadout is complete.

NOTES

Upwind unit (0855) did not appear to be working correctly. It was reading ~0.200 mg/m^3 after calibration and would not calibrate back to 0.000 mg/m^3

APPENDIX B

SOIL SAMPLING LOG SHEETS

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/13/10 10:30	

Contractor Personnel:	TRC Personnel:
N/A	J. Grundy

Sample No.: Pico-BF

Depth/Interval Sampled: N/A

Sample Type: (circle) Grab Composite **(Both)**

Media: (circle) **(Surface Soil)** ~~Subsurface Soil~~ Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: N/A

Other Field Measurements::

N/A

Observations: Sampled from 5-gallon pail collected from stockpiles of material by Bob Bichel (New Bedford DPI). Material is potential under-loam grading material (to be imported) from Pico construction in Acushnet, MA. Material is called borrow fill.

Composition: tan f-sm Sand with little silt + trace gravel. Has medium compaction capacity.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger		Trowel	
Core Sampler		Shelby Tube	
Spatula/Spoon	X	Dredge Sampler	
Bowl (stainless)		Kemmerer	
Split-spoon (2" or 3")		Extended Arm	
Encore®		Bailer	
Tube Auger		Backhoe	
Direct		Van Doren Bottle	
Ponar Grab			
Bucket Auger			
Peristaltic Pump			
MacroCore(4 ft or 5 ft)			
Other	X 5 ml disposable syringe		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	X	
Alconox	X	Simple green
Tap Water		
HNO_3 (1 or 10%)		
Tap Water		
Methanol		
Hexane		
Acetone		
Air Dry		
DI Water		
Air Dry		
None		

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
X VOCs	YES **(NO)**	2x DI, 1x MeOH	3x 40 ml amber VOA	10:30	Pico-BF
X SVOCs	YES **(NO)**	None	250 ml amber	10:30	↓
X PCBs	YES **(NO)**	None	↓	10:30	↓
X EPH	YES **(NO)**	None	↓	10:30	↓
X VPH	YES **(NO)**	MeOH	40 ml VOA	10:30	↓
X RCRA 8	YES **(NO)**	None	250 ml amber	10:30	↓
X Pesticides/Herbicides	**(No)**	None	250 ml amber	10:30	Pico-BF

Signed: J. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/13/10 11:00	

Contractor Personnel: N/A

TRC Personnel: J. Grundy

Sample No.: Mederos-SF

Depth/Interval Sampled: N/A

Sample Type: (circle) Grab Composite (Both)

Media: (circle) (Surface Soil) ~~Subsurface Soil~~ Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location

Field Screening Information:

Type of Meter: N/A

Other Field Measurements::

N/A

Observations:

Sampled from 5 gallon bucket collected from stockpiles of material by Bob Bichel (City of NB DPW). Material is potential under-/base grading material (to be imported) from Mederos. Material is called screened fill (<3").

Composition: f-m sand (tan) with some silt & trace gravel. High compaction capacity.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger		Trowel	
Core Sampler		Shelby Tube	
Spatula/Spoon	X	Dredge Sampler	
Bowl (stainless)		Kemmerer	
Split-spoon (2" or 3")		Extended Arm	
Encore®		Bailer	
Tube Auger		Backhoe	
Direct		Van Doren Bottle	
Ponar Grab			
Bucket Auger			
Peristaltic Pump			
MacroCore(4 ft or 5 ft)			
Other	X 5ml disposable syringe		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	X	
Alconox	X	simple green
Tap Water		
HNO_3 (1 or 10%)		
Tap Water		
Methanol		
Hexane		
Acetone		
Air Dry		
DI Water		
Air Dry		
None		

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
X VOCs	YES (NO)	2x DI 1x MeOH	3x40ml amber VOA	11:00	Mederos-SF
X VPH	YES (NO)	MeOH	40ml clear VOA	11:00	Mederos-SF
X PCBs	YES (NO)	None	250ml amber	11:00	Mederos-SF
X SVOCs	YES (NO)	None	↓	11:00	Mederos-SF
X EPH	YES (NO)	None	↓	11:00	Mederos-SF
X RCRA 8	YES (NO)	None	↓	11:00	Mederos-SF
X Pesticides/Herbicides	(No)	None	250ml amber	11:00	Mederos-SF

Signed: James J. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/6/10 1420	

Contractor Personnel: LAL

TRC Personnel: J. Grundy & J. Fiero

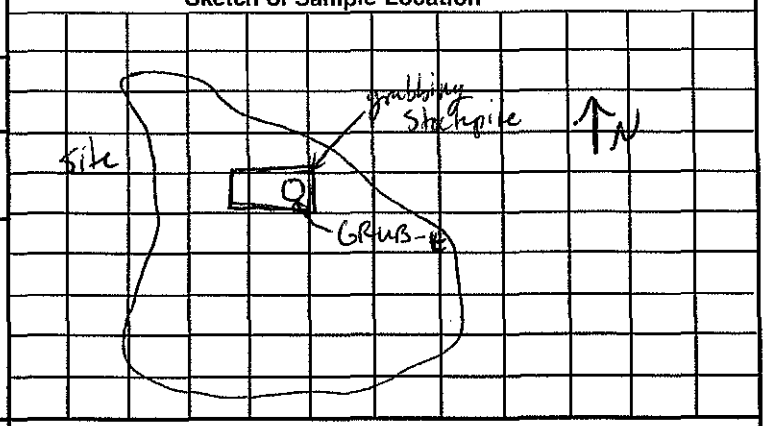
Sample No.: GRUB-E

Depth/Interval Sampled: N/A

Sample Type: Grab / Composite / Both (circle)

Media: (circle) Surface Soil, Subsurface Soil, Other _____, Sediment, Surface Water, Ground Water

Sketch of Sample Location



Field Screening Information: 20 ppm Pb

Type of Meter: XRF (Innov-X Alpha)

Other Field Measurements::

Observations: Stockpile in two piles - this sample is from the eastern one. contains more grubbings from center of site (tan sand & gravel, blue-grey stone).

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☒	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ 5 ml disposable syringe		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple Green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ VOCs	YES NO	2x DI 1x MeOH	3 40mL VOAs	1420	GRUB-E
☒ ~~VPH~~ TPH	YES NO	None	250mL amber	↓	↓
☒ SVOCs	YES NO	None	↓	↓	↓
☒ PCBs	YES NO	None	↓	↓	↓
☒ RCRAS	YES NO	None	↓	↓	↓
☒ TCLP (Hold)-Pb+Cd	YES NO	None	250 ml amber	~~1420~~ JSO 1420	GRUB-E

~~Hold~~ also collected in 2oz clear plastic for total solids

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Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/6/10 1450	

Contractor Personnel: LAL

TRC Personnel: J. Grundy & J. Ficro

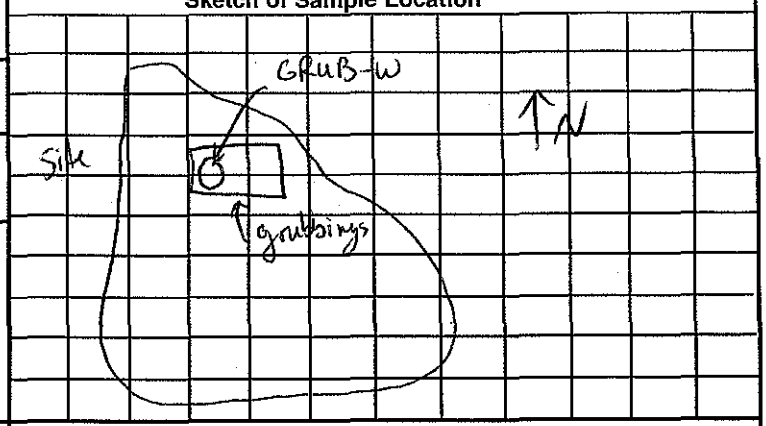
Sample No.: GRUB-W

Depth/Interval Sampled: N/A

Sample Type: Grab Composite (Both) (circle)

Media: (circle) (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 22 ppm Pb

Type of Meter: XRF (Alpha by InnovX)

Other Field Measurements::

Observations: Stockpile in two piles - GRUB-W from western pile. Contains grubbings from 2A, some from center of site, & grubbings from 1 & near 1. (tan sand & gravel & blue-grey stone).

SAMPLE COLLECTION EQUIPMENT:

Hand Auger		Trowel	X
Core Sampler		Shelby Tube	
Spatula/Spoon	X	Dredge Sampler	
Bowl (stainless)	X	Kemmerer	
Split-spoon (2" or 3")		Extended Arm	
Encore®		Bailer	
Tube Auger		Backhoe	
Direct		Van Doren Bottle	
Ponar Grab			
Bucket Auger			
Peristaltic Pump			
MacroCore(4 ft or 5 ft)			
Other	X 5 mL disposable syringe		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	X	
Alconox	X	Simple Green
Tap Water		
HNO_3 (1 or 10%)		
Tap Water		
Methanol		
Hexane		
Acetone		
Air Dry		
DI Water		
Air Dry		
None		

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
X VOC	YES (NO)	2x DI 1x MeOH	3x 40 mL VOA	1450	GRUB-W
X TPH	YES (NO)	None	None	↓	↓
X SVOCs	YES (NO)	↓	↓	↓	↓
X PCBs	YES (NO)	↓	↓	↓	↓
X RCRA 5	YES (NO)	↓	↓	↓	↓
X TCLP (Hold) - Pb+Cr	YES (NO)	None	None	1450	GRUB-W

Also collected 2 oz for total solids

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Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	04/30/10 1520	

Contractor Personnel: LAL (Excavator operator + assistant)

TRC Personnel: J. Grandy, J. Fiero

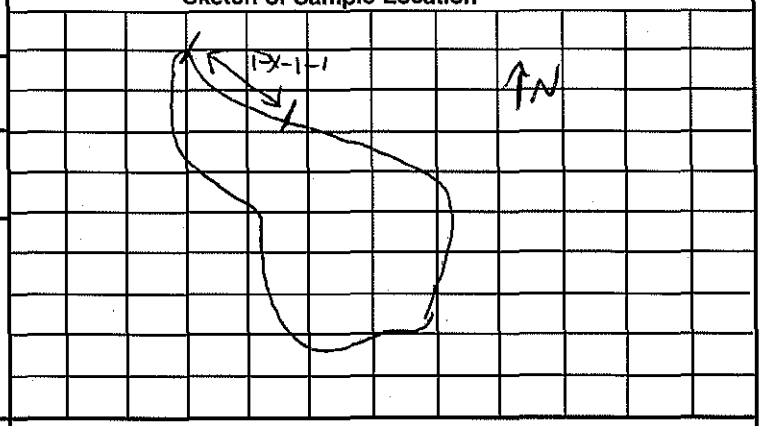
Sample No.: PX-1-1

Depth/Interval Sampled: 0-3'

Sample Type: Grab **Composite** Both (circle)

Media: (circle) **Surface Soil** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: N/A

Type of Meter:

Other Field Measurements:: XRF Screening: 23 ppm Pb

Observations: Sample composited from two locations.
0-2.5': tan m->f sand
2.5-3: black ash-like layer, f->m ~~sand~~ J36

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☐
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☒	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Pb	YES **NO**	None	250 mL amber	1520	PX-1-1
☐ Total Solids	YES **NO**	None	2 oz clear plastic	1520	PX-1-1
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James A. Grandy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	4/30/10 1530	

Contractor Personnel: LAL (excavator operator & assistant)

TRC Personnel: J. Grundy & J. Fiero

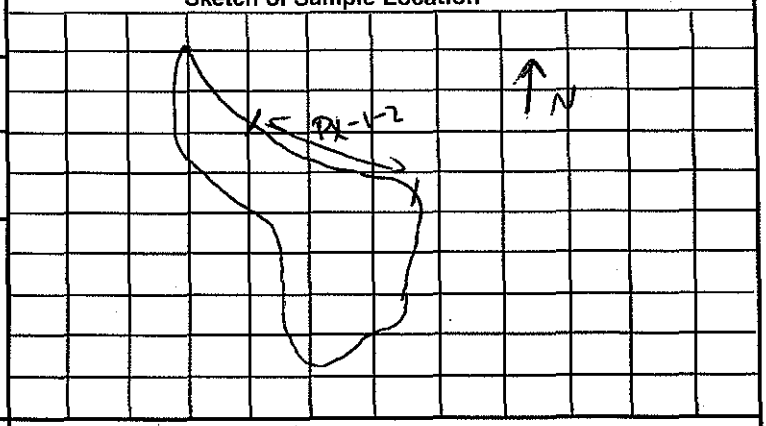
Sample No.: PX-1-2

Depth/Interval Sampled: 0-3'

Sample Type: Grab **Composite** Both (circle)

Media: (circle) **Surface Soil** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: N/A

Type of Meter:

Other Field Measurements:: XRF screening: 19 ppm Pb

Observations: Composited from 3 locations.

0-3': m-f tan sand w/ a ≈3" black ash layer at ~2.5-3' to the west pinching to 0' by the eastern end of PX-1-2

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☐
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☒	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Pb	YES **NO**	None	250 mL amber	1530	PX-1-2
JSG ☒ Total Solids	YES **NO**	None	2 oz clear plastic	1530	PX-1-2
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: [signature]

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	4/30/10 1550	

Contractor Personnel: LAL (excavator operator & assistant)

TRC Personnel: J. Grundy & J. Fiero

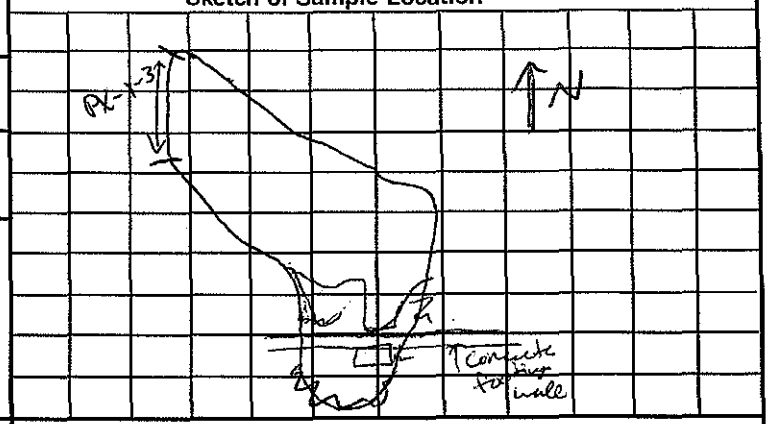
Sample No.: PX-1-3

Depth/Interval Sampled: 0-3'

Sample Type: Grab **Composite** Both (circle)

Media: (circle) **Surface Soil** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: N/A

Type of Meter:

Other Field Measurements::
XRF Screening: 76 ppm Pb
86 ppm Pb (DUP)

Observations:
Composited from 3 locations

0-2': f→m tan sand, 2-3': black ashy layer.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☐
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☒	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Pb	YES (NO)	None	250 mL	1550	PX-1-3
☐ Total Solids	YES (NO)	None		1550	PX-1-3
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: [signature]

TRC Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/3/10 1140	

Contractor Personnel: LAL (operator: Bob, steward: Mike)

TRC Personnel: J. Grundy & J. Fiero

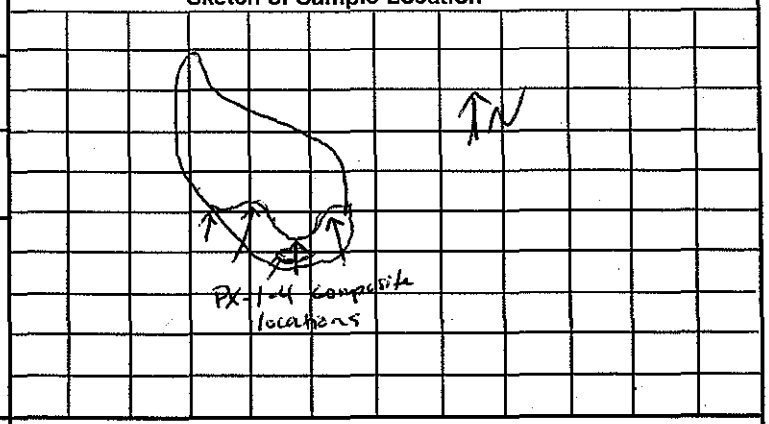
Sample No.: PX-1-4

Depth/Interval Sampled: 0-3'

Sample Type: Grab **(Composite)** Both (circle)

Media: (circle) **(Surface Soil)** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information:

Type of Meter:

Other Field Measurements::

XRF screening: 115 ppm lead
80 ppm lead (DUP)

Observations:

from southern faces of excavation (including test pit) of area 1

0-1.5' tan m-f sand, trace gravel, 1.5-3' black ashy layer.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☐
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☒	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Pb	YES (NO)	None	250 mL amber	1140	PX-1-4
☐ Total Solids	YES (NO)	None	2 oz clear plastic	1140	PX-1-4
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James A. Grundy

TRC Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/3/10 1150	

Contractor Personnel: LAL (operator: Bob, steward: Mike)

TRC Personnel: J. Grundy + J. Fiero

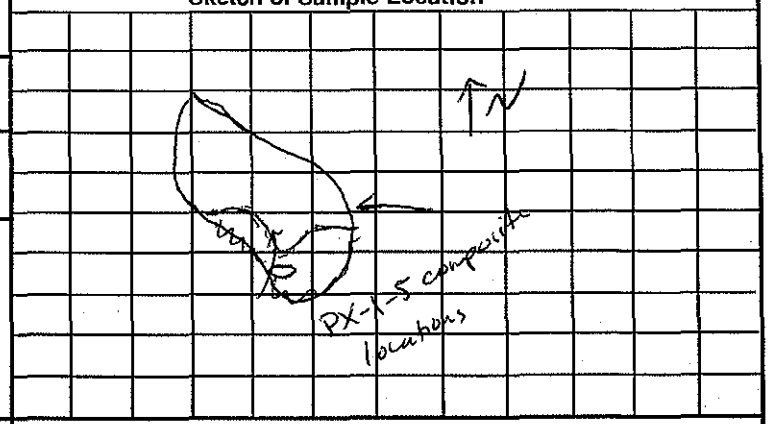
Sample No.: PX-1-5

Depth/Interval Sampled: 0-3'

Sample Type: Grab **Composite** Both (circle)

Media: (circle) **Surface Soil** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information:

Type of Meter:

Other Field Measurements::

XRF Screening: 33 ppm lead
~~50 ppm Pb (Dup)~~
BG 5/20

Observations:

From eastern sidewalls of excavation 1.
0-2.5': fine sand
2.5-3': black ashy layer

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☐
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☒	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Pb	YES **NO**	None	250 mL amber	1150	PX-1-5
☐ Total Solids	YES **NO**	None	2 oz clear plastic	1150	PX-1-5
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James A. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/4/10 0900	

Contractor Personnel: LAL (Operator: Bob Steward: Mike)

TRC Personnel: J. Grundy & J. Fiero

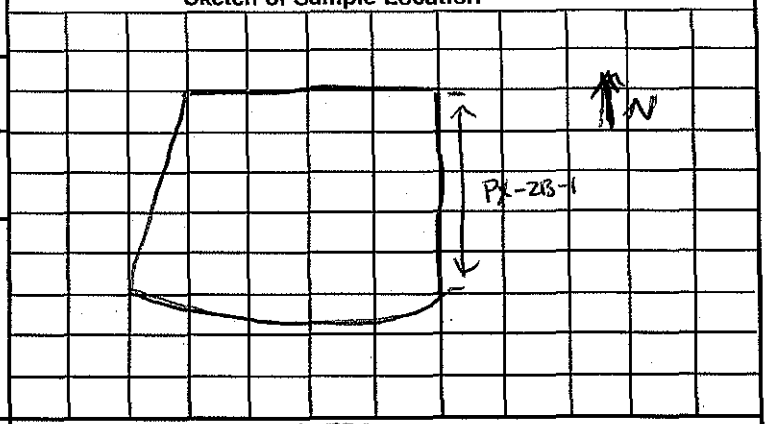
Sample No.: PX-2B-1

Depth/Interval Sampled: 0-3'

Sample Type: Grab **Composite** Both (circle)

Media: (circle) **Surface Soil** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information:

Type of Meter:

Other Field Measurements::

XRF Screening = 339 ppm Pb
403 ppm Pb (DUP)

Observations: 3 JJG 5/20

Composited from 4 locations

0-6": ~~loam~~ topsoil JJG with root matter

6"-1': blue gray ~~stone~~ JJG ~~and~~ with some tan sand

~~0-1'~~ JJG

1'-3': Ash fill (rusted metal, glass, slag) and brown silty sand.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☐
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc bag		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Pb	YES **NO**	None	250 mL Amber	0900	PX-2B-1
☒ Total Solids	YES **NO**	None	2 oz plastic jar	0900	PX-2B-1
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/4/10 0915	

Contractor Personnel: LAL - operator: Bob Laborer: Mike

TRC Personnel: J. Grundy + J. Fico

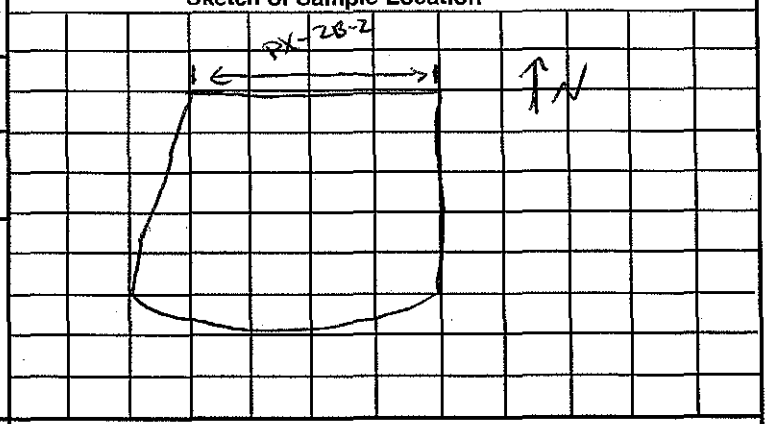
Sample No.: PX-2B-2

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (circle) (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 421 ppm Pb
482 ppm Pb (Dup)

Type of Meter: XRF (Innov-X Alpha)

Other Field Measurements::

Observations:
Composited from 3 locations
0-1': topsoil + root matter on top of blue-grey stone. Note a fabric layer encountered at 1' (immediately below gravel) at western edge.
2-3': Ash fill (broken glass, rusted metal) mostly orange in color + brown silty sand

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc bag		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 ml amber	0915	PX-2B-2
☐	YES NO	also collected a 2 oz clear plastic jar for total solids			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/4/10 0925	

Contractor Personnel: LAL - operator: Bob Laborer: Mike

TRC Personnel: J. Grundy + J. Ficro

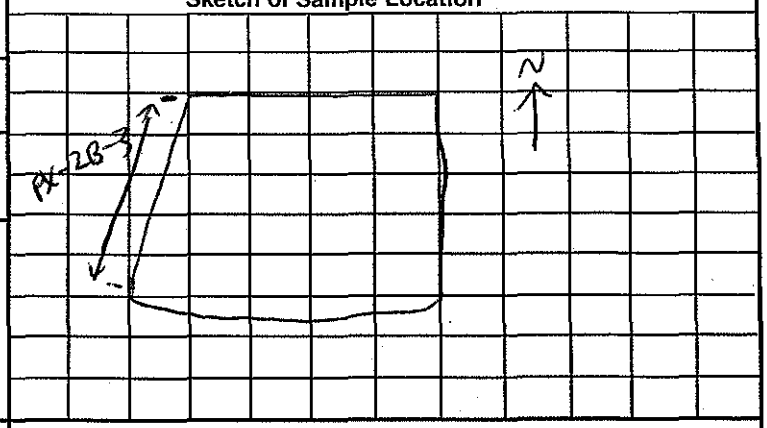
Sample No.: PX-2B-3

Depth/Interval Sampled: 0-3'

Sample Type: Grab **(Composite)** Both
(circle)

Media: **(Surface Soil)** Sediment
(circle) Subsurface Soil Surface Water
Other _____ Ground Water

Sketch of Sample Location



Field Screening Information: 576 ppm Pb
410 ppm Pb (DUP)

Type of Meter: XRF (Innov X Alpha)

Other Field Measurements::

Observations:
0-6": topsoil w/ roots on top of blue-gray stone. pinches to ≈3" at southern end. Fabric encountered under gravel.
0.5-3': Ash fill, black/orange/white (slag, glass shards, metal pieces) with some brown silty sand.

Composited from 3 locations.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger		Trowel	X
Core Sampler		Shelby Tube	
Spatula/Spoon	X	Dredge Sampler	
Bowl (stainless)		Kemmerer	
Split-spoon (2" or 3")		Extended Arm	
Encore®		Bailer	
Tube Auger		Backhoe	
Direct		Van Doren Bottle	
Ponar Grab			
Bucket Auger			
Peristaltic Pump			
MacroCore(4 ft or 5 ft)			
Other	X Ziploc bag		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	X	
Alconox	X	Simple green
Tap Water		
HNO_3 (1 or 10%)		
Tap Water		
Methanol		
Hexane		
Acetone		
Air Dry		
DI Water		
Air Dry		
None		

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
X Total Lead	YES (NO)	None	250 mL amber	0925	PX-2B-3
	YES NO	Also collected a 8oz clear plastic jar for total solids			
	YES NO				
	YES NO				
	YES NO				
	YES NO				

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Signed: James A. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/4/10 0935	

Contractor Personnel: LAL - operator: Bob Laborer: Mike

TRC Personnel: J. Grundy & J. Fiero

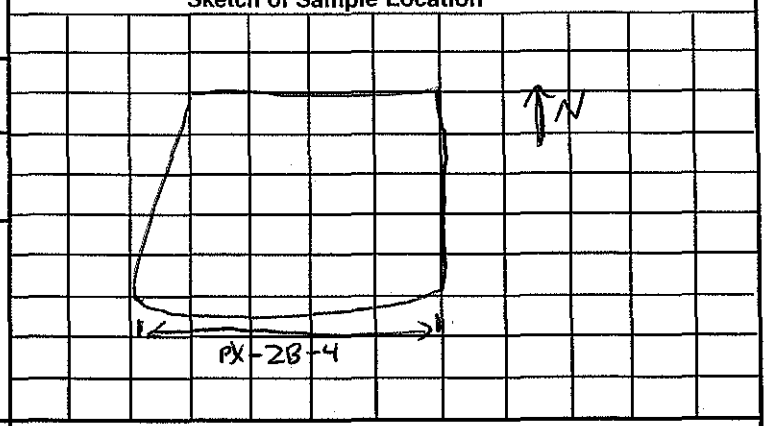
Sample No.: PX-2B-4

Depth/Interval Sampled: 0-3'

Sample Type: Grab **Composite** Both (circle)

Media: (circle) **Surface Soil** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 751 ppm Pb, 743 ppm Pb (DUP), 432 ppm Pb (DUP)

Type of Meter: XrF (Innov X Alpha)

Other Field Measurements::

Observations: Composited from 3 locations. Note a large amount of boulders in the middle of the sidewall + excavation. 0-4": Blue-grey stone with some topsoil + root matter. Fabric encountered @ ~4" in western portion of wall. 4"-3': Ash fill (black/orange/white) with metal pieces, glass shards + boulders in the middle of sidewall. Little brown silty sand.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc bag		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple Green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES **NO**	None	250 mL amber	0935	PX-2B-4
☐	YES NO	Also collected a	2 oz clear plastic	jar for total solids	
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/6/10 0815	

Contractor Personnel: LAL - operator: Bob Laborer: Mike

TRC Personnel: J. Grundy & J. Fiero

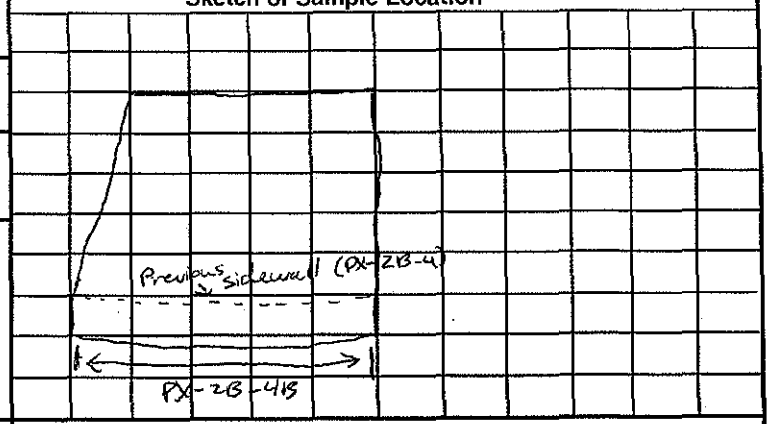
Sample No.: PX-2B-4B

Depth/Interval Sampled: 0-3'

Sample Type: Grab **(Composite)** Both (circle)

Media: (circle) **(Surface Soil)** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: In bag: 260 ppm Pb, 252 ppm Pb (DUP); In bottle: 384 ppm Pb, 358 ppm Pb (DUP)

Type of Meter: XRF (Innov-X Alpha)

Other Field Measurements::

Observations: Composited from 4 locations in Ziploc, screened w/ XRF & bottled, & then screened again (top of jar).

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc bag		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES **(NO)**	None	250 mL amber	0815	PX-2B-4B
☐	YES NO	Also collected a 2 oz clear plastic jar	for total solids		
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/5/10 1225	

Contractor Personnel: LAL – operator: Bob Laborer: Mike

TRC Personnel: J. Grundy + J. Fiero

Sample No.: PX-2A-1

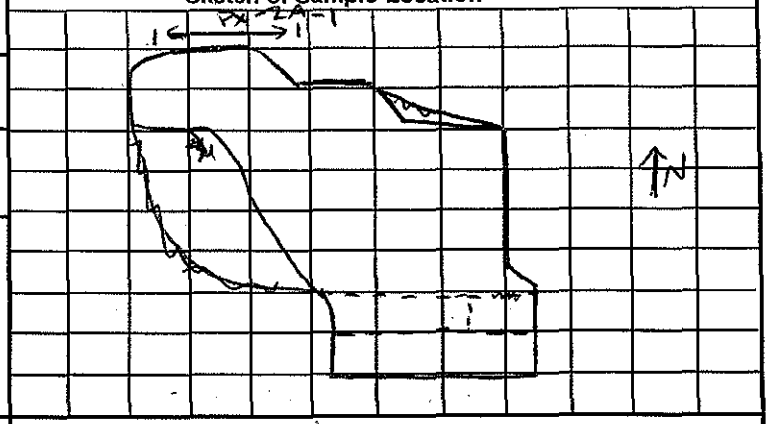
Depth/Interval Sampled: 0-3'

Sample Type: Grab **Composite** Both (circle)

Media: (circle) **Surface Soil** Subsurface Soil Other _____ Sediment Surface Water Ground Water

536 5120
357

Sketch of Sample Location



Field Screening Information: ~~236~~ ppm Pb (in sample jar)

Type of Meter: XRF (InnovX Alpha)

Other Field Measurements::

XRF screenings before compositing

F4/F5 NSW ziploc: 424 ppm Pb
227 ppm Pb (DUP)/rescreen

E6 NSW Ziploc: 404 ppm Pb
177 ppm Pb (DUP)/rescreen.

Observations: Composited from ~~4 locations~~ 5 locations 5/5 6/4/10 western side of north side wall. Sample was composited between 2 ziplocs. F4/F5 NSW was collected at 0900, screened w/ XRF, put on ice, + rescreened before compositing. E6 NSW was collected at 0940, screened w/ XRF, put on ice + rescreened before compositing. Both bags were put together for compositing.

0-1.5': tan m→c sand and gravel with some blue gray stone at ~1'-1.5'. Fabric at 1.5'

@ 1.5-3': Black + orange ash fill, quite compacted.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc bag		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total lead	YES **NO**	None	250 mL amber	1225	PX-2A-1
☐	YES NO	Also collected a 2 oz clear plastic jar for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James J. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/5/10 1310	

Contractor Personnel: LAL - operator: Bob & laborer: Mike

TRC Personnel: J. Grundy & J. Fiero

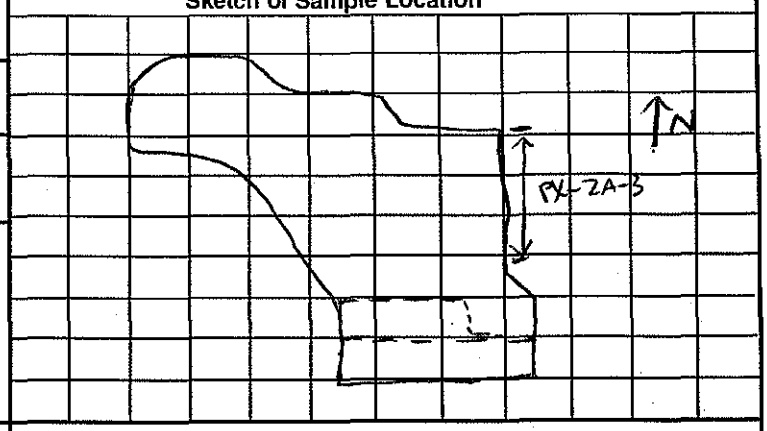
Sample No.: PX-2A-3

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (circle) (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 342 ppm Pb (top of sample jar)

Type of Meter: XRF (Innov X Alpha)

Other Field Measurements::
B2/C2 ESW bag: 370 ppm Pb
D2/E3 ESW bag: 373 ppm Pb
242 ppm Pb (DUP)

Observations:
Sample composited from 2 bag composites of the ESW for a total of 3 locations (B2/C2 ESW & D2/E3 ESW).
B2/C2 ESW soil bagged at 13:44 on 5/4/10 screened with XRF, put on ice overnight.
D2/E3 ESW soil bagged at 14:25 on 5/4/10, ~~put~~ JSG screened, put on ice overnight, & then the two bags were composited, jarred, & screened.
0-1.5': tan m-c sand & gravel with some blue-grey stone at 1-1.5'. fabric at 1.5'. Pinches to 1' at south end.
1.5-3': Brown/black/orange ash fill.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc bag		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 mL amber	1310	PX-2A-3
☐	YES NO	Also collected a 2oz. clear plastic jar for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/5/10 1235	

Contractor Personnel: LAL - operator (Bob) + Laborer (Mike)

TRC Personnel: J. Grundy + J. Fiero

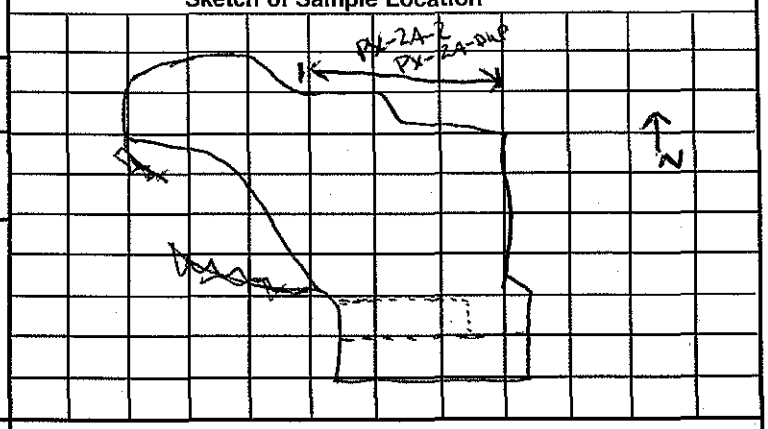
Sample No.: PX-2A-2

Depth/Interval Sampled: 0-3'

Sample Type: Grab **(Composite)** Both (circle)

Media: **(Surface Soil)** Subsurface Soil Other _____ Sediment Surface Water Ground Water (circle)

Sketch of Sample Location



Field Screening Information: 236 ppm Pb (top of sample jar)

Type of Meter: XRF (Innov X Alpha)

Other Field Measurements::
E2/E3 NSW bag: 257 ppm Pb

Observations:
Composited from 4 locations on eastern half of northern sidewall. Sample composited in one ziploc bag (E2/E3 NSW). Soil collected in bag at 1430 on 5/4/10, screened with XRF, put on ice overnight, + transfered to sample jar at 1235 on 5/5/10.

0-1.5': tan m→c sand and gravel with some blue-grey stone at 1-1.5'. fabric at 1.5'
1.5-3': Brown/black/orange ash fill (metal, glass, misc) with little brown silty sand.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc bag		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple Green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES **(NO)**	None	250 mL amber	1235	PX-2A-2
☒ Total Lead	YES **(NO)**	None	250 mL amber	1335	PX-2A-DUP
☐	YES NO	Also collected two 2 oz clear plastic jars for total solids - one for each sample.			
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James J. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/5/10 1325	

Contractor Personnel: LAL - Operator: Bob Laborer: Mike.

TRC Personnel: J. Grundy & J. Fiero

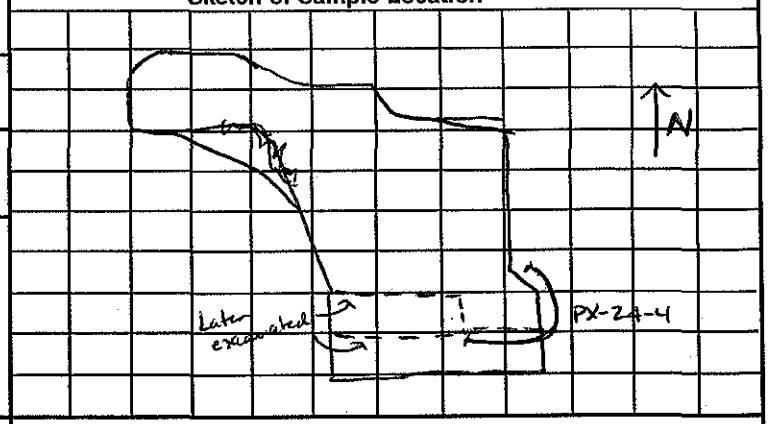
Sample No.: PX-2A-4

Depth/Interval Sampled: 0-3'

Sample Type: Grab **Composite** Both (circle)

Media: (circle) **Surface Soil** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 443 ppm Pb, 585 ppm Pb (Dup) } jar of sample

Type of Meter: XRF (Innov X Alpha)

Other Field Measurements::

A1/B1/A2 SE/SE Corner bag: 307 ppm Pb.

Observations:

Sample composited in one ziploc (A1/B1/A2 SE/SE corner) at 15:30 on 5/4/10, screened w/ XRF, put on ice overnight, & bottled at 1325 on 5/5/10.

0-0.5': tan m-c sand & root matter on top of grey-blue stone. Fabric at 0.5'.

0.5-2.5': Black/orange/brown ash fill

2.5'-3': brown/orange silt - much more compact than fill.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc bag		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES **NO**	None	250 mL amber	1325	PX-2A-4
☐	YES NO	Also collected a 2 oz	clear plastic jar for	total solids	
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/5/10 1330	

Contractor Personnel: LAL - operator: Bob Laborer: Mike

TRC Personnel: J. Grundy & J. Fiero

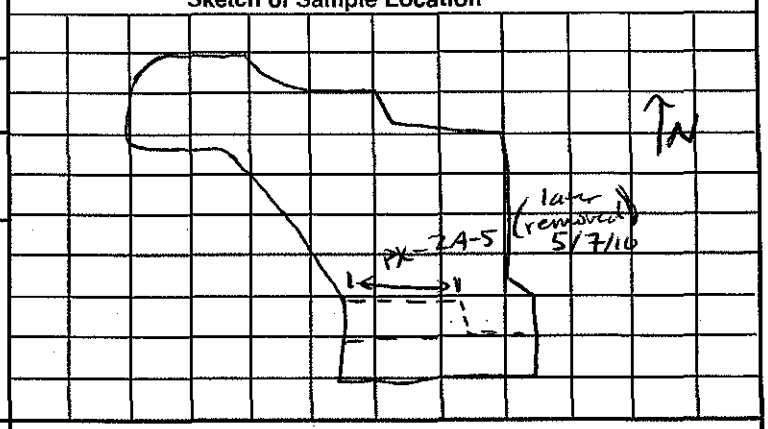
Sample No.: PX-2A-5

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water (circle)

Sketch of Sample Location



Field Screening Information: 211 ppm Pb (top of sample jar)

Type of Meter: XRF (Innov X Alpha)

Other Field Measurements::

B4/B5 SSW - 492 ppm Pb
~~D~~ (bag) 1010 ppm Pb (DUP)
703 ppm Pb (DUP)
B2/B3 SSW - 624 ppm Pb
(bag)

Observations:
Composited from 2 ziploc bags (6 locations) - B4/B5 SSW and B2/B3 SSW - collected 1320 & 1330 on 5/4, respectively, & ~~placed~~ J36 screened w/ XRF, & placed on ice overnight. Sample then composited, screened, & sampled into jars.

0-0.5': tan m=>c sand & gravel on top of blue-grey stone. Fabric at 0.5'.
0.5-2.5': Black/white/orange ash fill.
2.5-3': Brown/orange silt - compact.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger		Trowel	X
Core Sampler		Shelby Tube	
Spatula/Spoon	X	Dredge Sampler	
Bowl (stainless)		Kemmerer	
Split-spoon (2" or 3")		Extended Arm	
Encore®		Bailer	
Tube Auger		Backhoe	
Direct		Van Doren Bottle	
Ponar Grab			
Bucket Auger			
Peristaltic Pump			
MacroCore(4 ft or 5 ft)			
Other	X Ziploc bag		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	X	
Alconox	X	Simple Green
Tap Water		
HNO_3 (1 or 10%)		
Tap Water		
Methanol		
Hexane		
Acetone		
Air Dry		
DI Water		
Air Dry		
None		

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
X Total Lead	YES (NO)	None	250 mL amber	1330	PX-2A-5
	YES NO	Also collected a 2oz clear plastic jar for total solids			
	YES NO				
	YES NO				
	YES NO				
	YES NO				

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Signed: James D. Grundy

TRC Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/7/10 1010	

Contractor Personnel: LAL: operator (Bob) + Laborer (Mike)

TRC Personnel: J. Grundy + J. Fiero

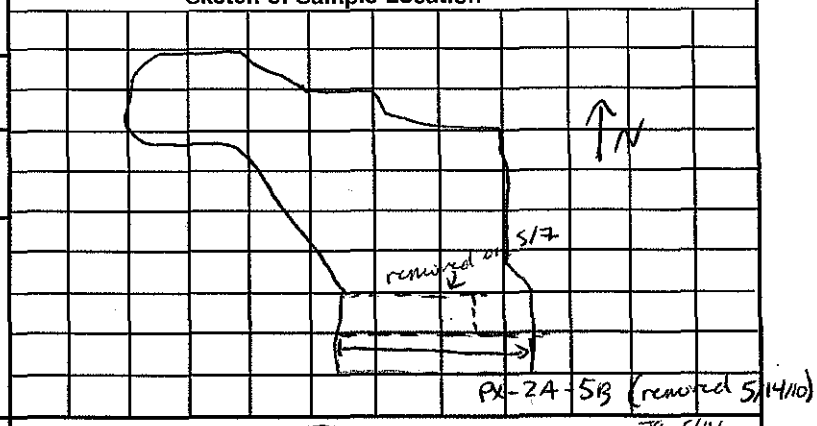
Sample No.: PX-2A-5B

Depth/Interval Sampled: 0-3'

Sample Type: Grab **(Composite)** Both (circle)

Media: **(Surface Soil)** Subsurface Soil Other _____ Sediment Surface Water Ground Water (circle)

Sketch of Sample Location



Field Screening Information: 678 ppm Pb, 621 ppm Pb (DUP) } PX-2A-5B

Type of Meter: XRF (Innov X Alpha)

Other Field Measurements::

A3 SSW bag: 555 ppm Pb
542 ppm Pb (DUP)

A4 SSW bag: 389 ppm Pb
542 ppm Pb (DUP)

A4 WSW bag: 507 ppm Pb
457 ppm Pb (DUP)

Observations: Composited from ~~2~~ 3 JSG Ziplocs (A3/A4 SSW + A4 WSW) #1 #2 #3 representing 6 locations. Bags screened with XRF, composited in larger bag, & ~~screened~~ JSG composite screened for putting into jars. All done from 0500-1010 on 5/7/10.

0-0.5': tan m→c sand & gravel with some blue-grey stone. Fabric at 0.5'.

0.5-2.5': Black & orange ash fill - lots of metal & glass.

2.5-3': Brown compacted silt.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Pb	YES (NO)	None	250 mL amber	1010	PX-2A-5B
☐	YES NO	4 2 oz clear plastic jar also collect~~ed~~ for total ~~fecal~~ JSG solids.			
☒ Total Pb	YES (NO)	None	250 mL Amber	1150	PX-2A-DUPB
☐	YES NO	4 2 oz clear plastic jar also collected for total solids			
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/14/10 1330	

Contractor Personnel: LAL: operator (Bob) + Laborer (Mike)

TRC Personnel: J. Grundy + ~~I. Fico~~ JSG 5/20

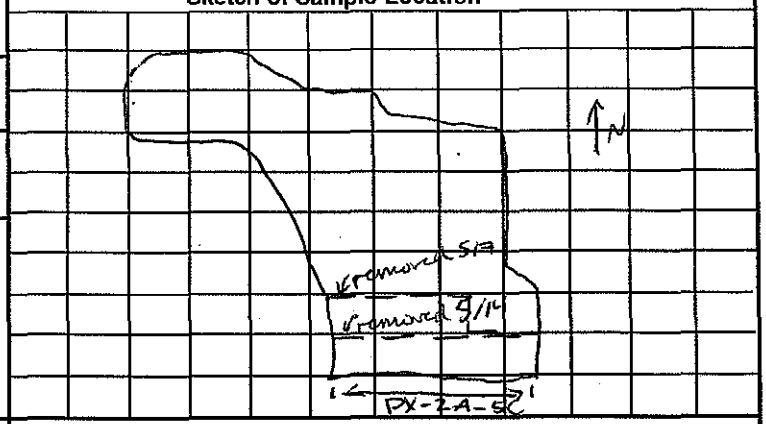
Sample No.: PX-2A-5C

Depth/Interval Sampled: 0-3'

Sample Type: Grab **Composite** Both (circle)

Media: (circle) **Surface Soil** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: No screening w/ XRF -

Type of Meter: ~~XRF (Innov X Alpha)~~ JSG 5/12 XRF not onsite.

Other Field Measurements::

Observations:
Sample composited from ~~4 locations~~ 3 locations JSG 6/14/10 on south sidewall (~5' south of PX-2A-5B excavated sidewall) in ziploc bag + immediately transferred to sample jars.

0-0.5': tan m→c sand + gravel on top of blue-grey stone. Fabric at 0.5'
0.5-2.5': Black/orange ash fill - glass + metal numerous.
2.5-3': Brown silt - compacted.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☐
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 ml amber	1330	PX-2A-5C
☐	YES NO	A 2 oz clear plastic jar also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James A. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/5/10 1345	

Contractor Personnel: LAL-Operator: Bob Laborer: Mike

TRC Personnel: J. Grundy & J. Fiero

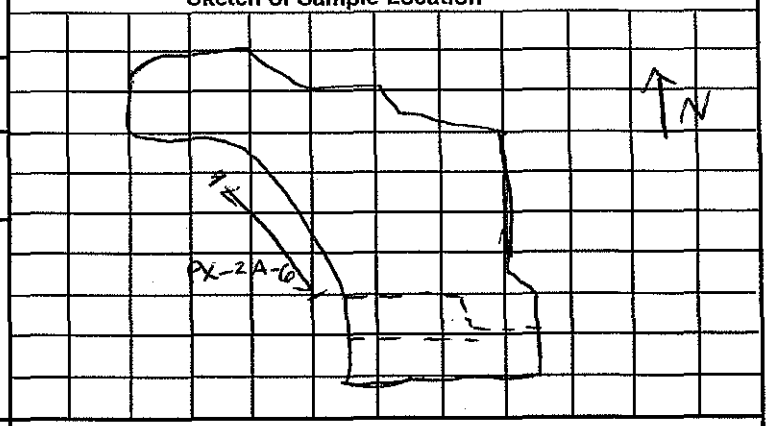
Sample No.: PX-2A-6

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (circle) (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 277 ppm Pb (top of sample jar)

Type of Meter: XRF (Innov-X Alpha)

Other Field Measurements::
B5/C5 WSW bag - 336 ppm Pb

Observations:
Sample composited from one ziploc bag - B5/C5 WSW - from 4 locations. Sample soil collected 13:40 on 5/4/10, put on ice, jarred on 5/5/10 at 1345, & screened with XRF.
0-1': tan m->c sand & gravel with blue-grey stone below. Fabric at 1'.
1-3': Ash fill - brown/black/white - & little brown silty sand

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc bag		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple Green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 ml amber	1345	PX-2A-6
☐	YES NO	Also collected a 2oz	clear plastic jar for	total solids.	
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James A. Grundy

TRC Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/5/10 1355	

Contractor Personnel:	TRC Personnel:
LAL: operator-Bob Laborer-Mike	J. Grundy + J. Fiero

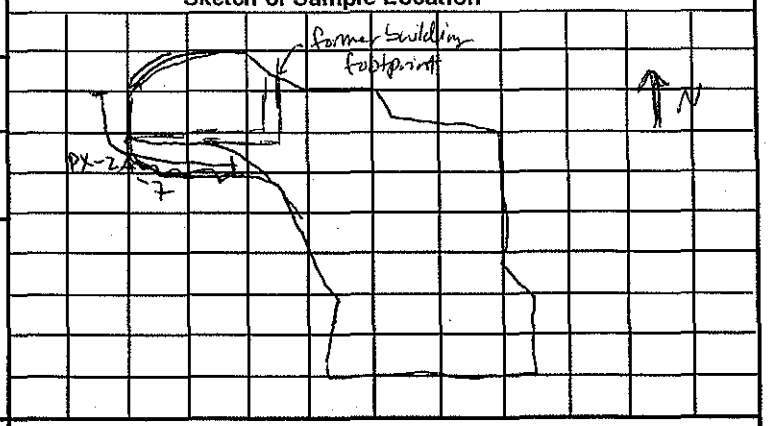
Sample No.: PX-2A-7

Depth/Interval Sampled: 0-3'

Sample Type: Grab **(Composite)** Both (circle)

Media: **(Surface Soil)** Subsurface Soil Other _____ Sediment Surface Water Ground Water (circle)

Sketch of Sample Location



Field Screening Information: 355 ppm Pb
350 ppm Pb (Dup-same spot)
486 ppm Pb (Dup-different spot)

Type of Meter: XRF (Innov X Alpha)

Other Field Measurements::
D6 SSW bag: 237 ppm Pb
346 ppm Pb (Dup)
D6/E6 WSW bag: 399 ppm Pb

Observations:
Represents NW corner of excavation (near building footprint
Sample composited from 2 bags (D6 SSW + D6/E6 WSW)
representing 5 locations. Bags collected at 1025 + 1020,
respectively, screened w/ XRF, put on ice, + composited
at 1350, screened, + jarred.

0-1.5': tan m→c sand and gravel with blue-grey
stone ~~on bottom~~ JSG at 1-1.5'. Fabric at 1.5'.
1.5-3': Black ash fill - large rusted metal pieces.
Note a building footprint + wall encountered here.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc bag		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple Green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES **(NO)**	None	250 mL amber	1355	PX-2A-7
☐	YES NO	Also collected a 2 oz ~~amber~~ JSG clear plastic jar		for total solids.	
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/7/10 1020	

Contractor Personnel: LAL: Operator - Bob Laborer - Mike

TRC Personnel: J. Grundy & J. Fiero

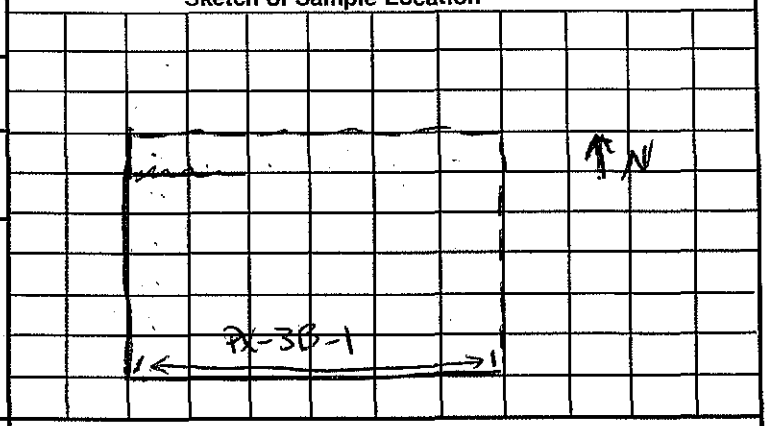
Sample No.: PX-3B-1

Depth/Interval Sampled: 0-3'

Sample Type: Grab **Composite** Both (circle)

Media: (circle) **Surface Soil** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 672 ppm Pb
447 ppm Pb (Dup)

Type of Meter: XRF (InnovX Alpha)

Other Field Measurements::

C1 SSW bag: 495 ppm Pb
B1 SSW bag: 346 ppm Pb
A1 SSW bag: 368 ppm Pb

Observations:

Soil from south side wall (SSW) bagged in 3 bags on 5/5/10 (C1 SSW - 14:30, B1 SSW - 14:50, A1 SSW - 14:52). Bags ~~Samples~~ JJG screened w/ XRF & put on ice. Sample composited from all 3 bags on 5/7/10 at 1020. Sample then put on ice until 5/~~10~~ 9/10 JJG when it was jarred at 1725 & relinquished on 5/10/10

0-3': Ash fill and dark brown topsoil/loam with some roots. Note that part of the SSW was bedrock from the outcrop.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES **NO**	None	250 ml Amber	1020	PX-3B-1
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	16990a	5/7/10 1030	

Contractor Personnel: LAL: Operator - Bob Laborer - Mike

TRC Personnel: J. Grundy & J. Fiero

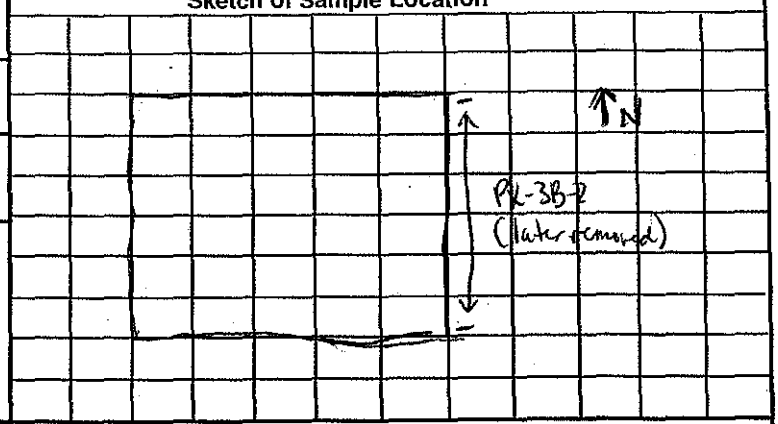
Sample No.: PX-3B-2

Depth/Interval Sampled: 0-3'

Sample Type: Grab **Composite** Both (circle)

Media: (circle) **Surface Soil** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 579 ppm Pb

Type of Meter: XRF (Innov X Alpha)

Other Field Measurements::

C1 ESW bag - 476 ppm Pb
908 ppm Pb (Dup)
C2 ESW bag - 641 ppm Pb
C3 ESW bag - 596 ppm Pb

Observations:

Soil from east side wall (ESW) bagged in 3 bags on 5/5/10 (C1 ESW - 14:30, C2 ESW - 15:00) & 5/6/10 (C3 ESW - 10:00). Bags individually screened, put on ice, composited on 5/7/10 at 10:30, ~~placed~~ JBG, put on ice, & jarred on 5/9/10 at 1735.

0-3': White/Orange/Black ash fill with little topsoil loam on top. Note numerous bottles & ubiquitous fill in this area.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES **NO**	None	250 mL Amber	1030	PX-3B-2
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: [illegible]

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/7/10 1040	

Contractor Personnel: LAL: Operator – Bob Laborer – Mike

TRC Personnel: J. Grundy & J. Fiero

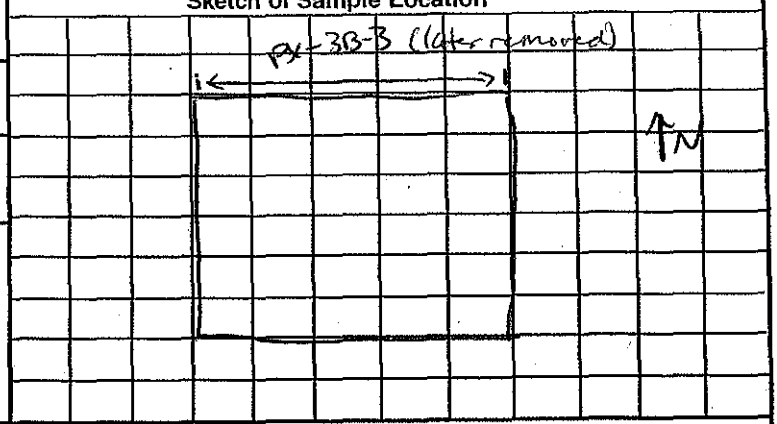
Sample No.: PX-3B-3

Depth/Interval Sampled: 0-3'

Sample Type: Grab **(Composite)** Both (circle)

Media: (circle) **(Surface Soil)** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 493 ppm Pb

Type of Meter: XRF (InnoVX Alpha)

Other Field Measurements::

A3 NSW bag: 554 ppm Pb
B3 NSW bag: 606 ppm Pb
654 ppm Pb (DUP)
C3 NSW bag: 536 ppm Pb

Observations: Soil from north side wall (NSW) collected in 3 bags on 5/6/10 (A3 NSW – 0850, B3 NSW – 0950, C3 NSW – 1000), screened individually with XRF, put on ice, composited at 1040 on 5/7/10, screened with the XRF, put on ice, & jarred at 1745 on 5/9/10.

0-3': white/orange/black ash fill, trace topsoil/loam on top. Many bottles in area 3B.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 mL Amber	1040	PX-3B-3
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

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TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/7/10 1050	

Contractor Personnel: LAL: Operator - Bob Laborer - Mike

TRC Personnel: J. Grundy, J. Fiero

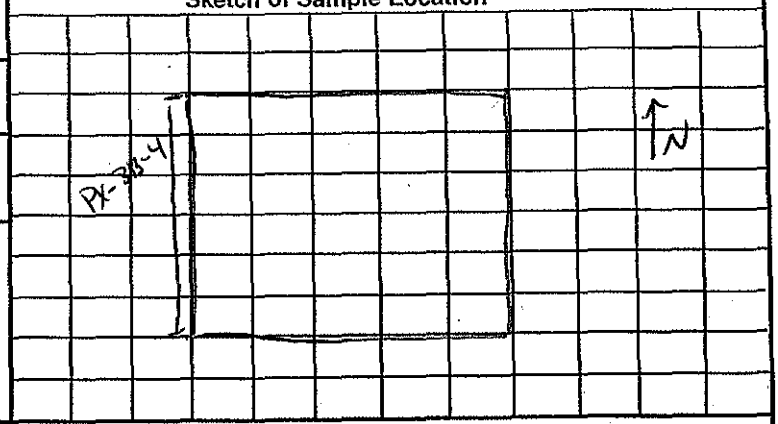
Sample No.: PX-3B-4

Depth/Interval Sampled: 0-3'

Sample Type: Grab **(Composite)** Both (circle)

Media: (circle) **(Surface Soil)** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 710 ppm Pb
497 ppm Pb (Dup)

Type of Meter: XRF (Innov-X Alpha)

Other Field Measurements::
A1 WSW bag - 617 ppm Pb
A2 WSW bag - 334 ppm Pb
A3 WSW bag - 580 ppm Pb
503 ppm Pb (Dup)

Observations:
Soil from West side wall (WSW) bagged in 3 bags on 5/5/10 (A1 WSW - 14:55, A2 WSW - 15:05) & 5/6/10 (A3 WSW - 08:45) & individually screened & put on ice. Bags composited into one sample on 5/7/10 at 1050, put on ice, & jarred at 1755 on 5/9/10.

0-3': white/orange black fill with some silty topsoil/loam in top 1' (all disturbed from 0-1' due to stamping).

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES **(NO)**	None	250 mL Amber	1050	PX-3B-4
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

Signed: James D. Grundy

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TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/10/10 1400	

Contractor Personnel: LAC
Operator - Bob Laborer - Mike

TRC Personnel: J. Grundy

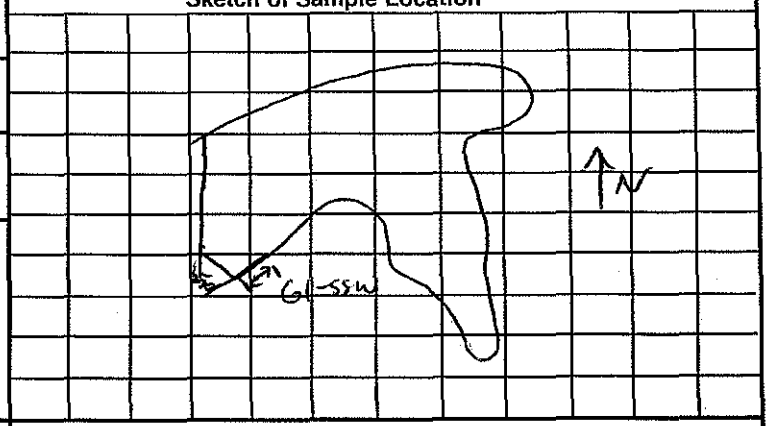
Sample No.: G1-SSW

Depth/Interval Sampled: ~2'

Sample Type: (Grab) Composite Both
(circle)

Media: (Surface Soil) Sediment
(circle) Subsurface Soil Surface Water
Other _____ Ground Water

Sketch of Sample Location



Field Screening Information: 0.0 ppm HS on 5/10/10
0.9 ppm HS on 5/7/10

Type of Meter: MiniRAE PID

Other Field Measurements::

Observations:
Sweet odor (non-petrol) on 5/7/10 - none of 5/10/10.
Sample collected with syringe at about 2 ft bgs.
Note concrete spillway from ~2.5' - 8' bgs on SW.
Sample consists of mostly brown silty sand topsoil.
~~Note that~~ JSG

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☐
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☐	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☑ 5 ml disposable syringe.		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☐	
Alconox	☐	
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ VOCs	YES (NO)	2x DI 1x MeOH	3x 40ml VOAs	1400	G1-SSW
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James J. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/10/10 1425	

Contractor Personnel: LAL
Operator: Bob Laborer: Mike

TRC Personnel: J. Grundy

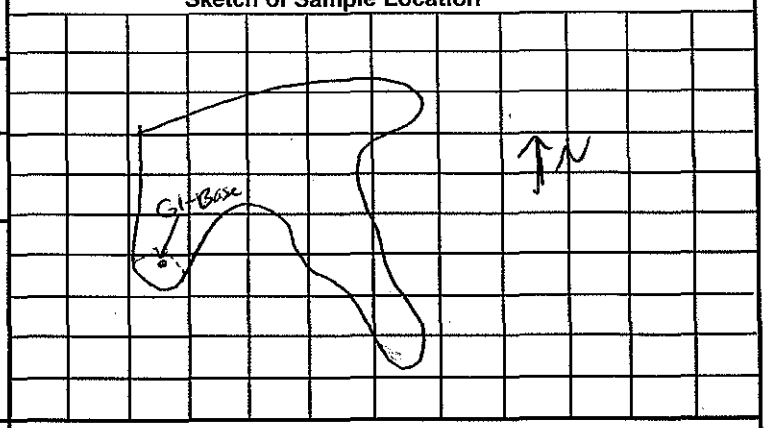
Sample No.: G1-Base

Depth/Interval Sampled: ~8'

Sample Type: (circle) Grab Composite Both

Media: (circle) Surface Soil Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 5/10/10: 0.0 ppm (8') (HS)
5/7/10: 1.6 ppm (6-7')

Type of Meter: MiniRAE PID

Other Field Measurements::

Observations: Sweet odor (non-petrol) on 5/7/10 - none on 5/10/10
Sample collected with syringe from bottom of ~~test~~ JSC pit (~8').

Sample consists of course, moist sand (tan) - also not lots of gravel/stone at this depth.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☐
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☐	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ 5 ml disposable syringe		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☐	
Alconox	☐	
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ VOCs	YES (NO)	2x DI 1x MeOH	3x 40 ml VOAs	1425	G1-Base
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169809	5/10/10 1440	

Contractor Personnel: LAL: Operator - Bob Laborer - Mike

TRC Personnel: J. Grundy

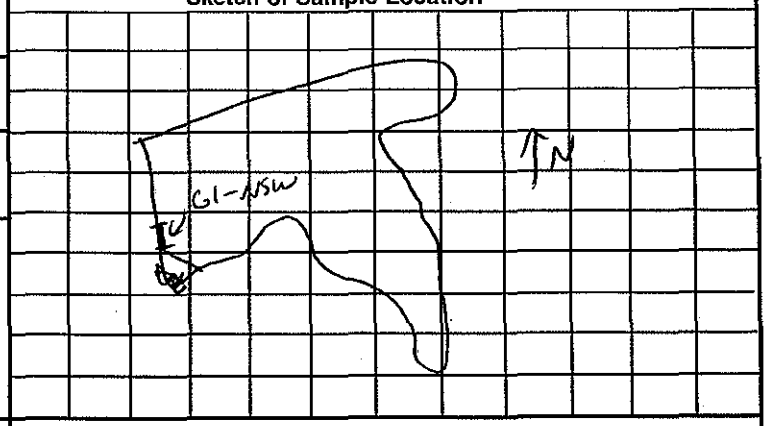
Sample No.: G1-NSW

Depth/Interval Sampled: ~5' bgs

Sample Type: (circle) Grab Composite Both

Media: (circle) Surface Soil, Subsurface Soil, Other _____, Sediment, Surface Water, Ground Water

Sketch of Sample Location



Field Screening Information: 5/10/10: 0.0ppm H_2S; 5/7/10: 4.5ppm/5.8ppm H_2S

Type of Meter: MiniRAE PID

Other Field Measurements::

Observations: Sweet odor (non-petrol) on 5/7/10, none of 5/10/10. Sample collected with syringe from fill layer at about 5' bgs.

Sample consists of ash fill material

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☐
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☐	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ 5 mL syringe		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☐	
Alconox	☐	
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ VOCs	YES (NO)	2x DI, 1x MeOH	3x 40mL VOAs	1440	G1-NSW
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James J. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/10/10 1450	

Contractor Personnel: LAL - Operator: Bob Labone : Mike

TRC Personnel: J. Grundy

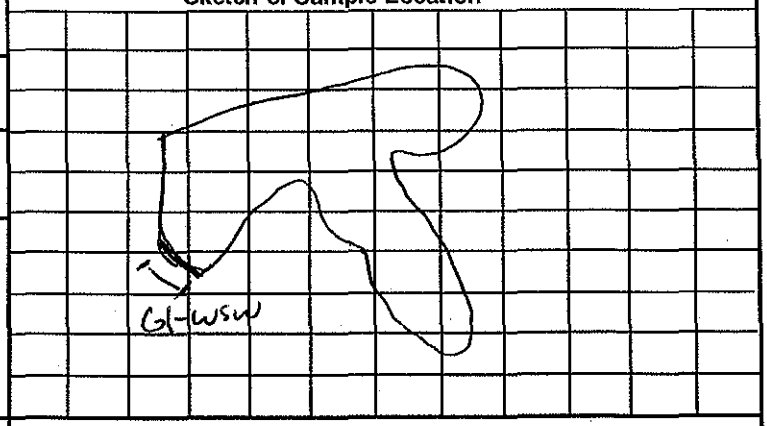
Sample No.: G1-WSW

Depth/Interval Sampled: ~5' bgs

Sample Type: (circle) Grab Composite Both

Media: (circle) ~~Surface Soil~~ Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 5/10/10 = 0.0 ppm HS
5/7/10 = 1.2 ppm HS

Type of Meter: MiniRAE PID

Other Field Measurements::

Observations: Sweet odor (non-petrol) on 5-7-10, none of on 5/10/10. Sample collected via syringe at ~5' bgs (ash layer).

Sample consist of ash fill material.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☐
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☐	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ 5 mL disposable syringe		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☐	
Alconox	☐	
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ VOCs	YES (NO)	2x DI 1x MeOH	3x 40mL VOAs	1450	G1-WSW
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James J. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/7/10 1100	

Contractor Personnel: LAL: Operator – Bob Laborer – Mike

TRC Personnel: J. Grundy & J. Fiero

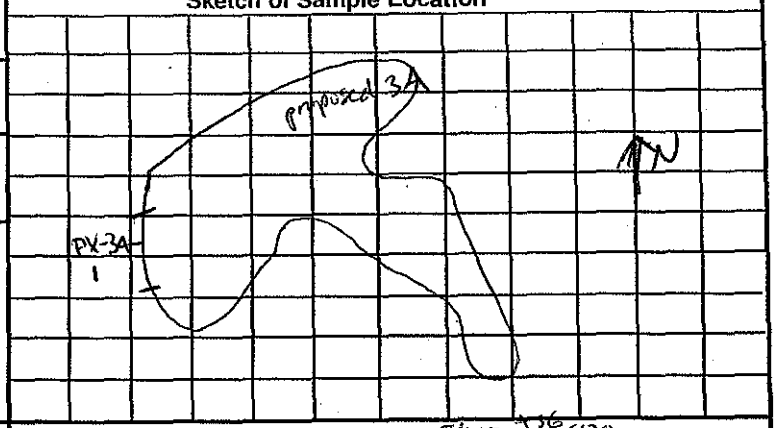
Sample No.: ~~Grab to~~ PX-3A-1

Depth/Interval Sampled: 0-3

Sample Type: Grab **(Composite)** Both (circle)

Media: (circle) **(Surface Soil)** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 307 ppm Pb

Type of Meter: XRF (InnovX Alpha)

Other Field Measurements::

El wsw bag: 552 ppm Pb
394 ppm Pb (Dup)
DI wsw bag: 345 ppm Pb

Observations: on 5/6/10 5/20

Sample collected in 2 bags, (El wsw – 11:30, DI wsw – 13:10), individually screened, & put on ice. Bags composited into one bag at 1100 on 5/7/10, screened, put on ice, & jarred at 1805 on 5/9/10. Sample sent to lab on 5/10/10.

0-1' : Topsoil & tan m→c g sand & gravel.
1-3' : Brown m silty sand with some fill (ash) at ~2' down.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES **(NO)**	None	250 mL Amber	1100	PX-3A-1
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/10/10 0930	

Contractor Personnel: LAL: Operator - Bob Laborer - Mike

TRC Personnel: J. Grundy & J. Fiero

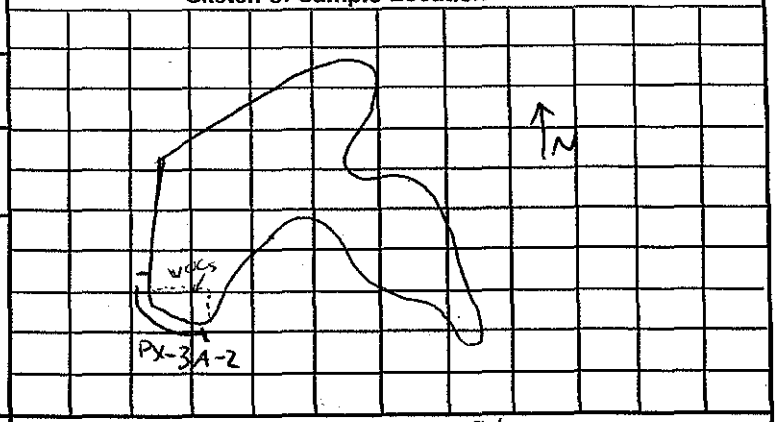
Sample No.: PX-3A-2

Depth/Interval Sampled: 0-3'

Sample Type: Grab **(Composite)** Both (circle)

Media: (circle) **(Surface Soil)** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 371 ppm Pb

Type of Meter: XRF (Innov X Alpha)

Other Field Measurements::

Observations: from 5 locations

Sample collected in ziploc, screened with XRF, & jarred immediately. Note that some of PX-3A-2 represents the VOC impacted area.

0-1' : Dark brown silty topsoil & tan m>c gr sand & gravel.

1-2.5' : Ash fill, mostly white/orange in color, lots of glass (broken & intact).

2.5-3' : Brown silt, compact.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES **(NO)**	None	250 mL Amber	0930	PX-3A-2
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James A. Grundy

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TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/10/10 1615	

Contractor Personnel: LAL: Operator – Bob Laborer – Mike

TRC Personnel: J. Grundy & J. Fiero

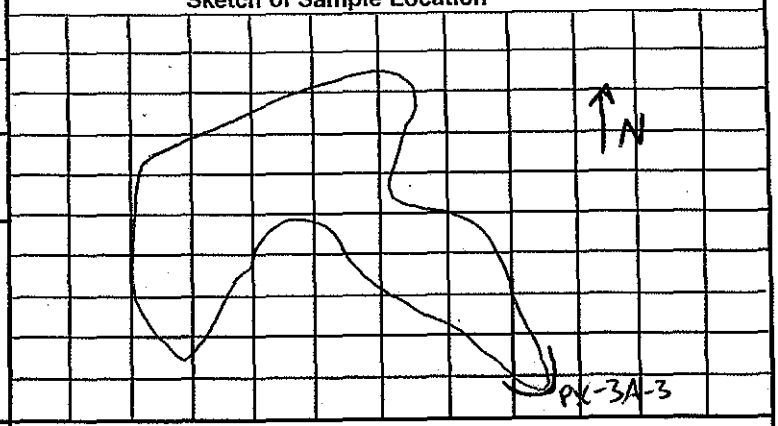
Sample No.: PX-3A-3

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (circle) (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 602 ppm Pb

Type of Meter: XRF (Innov Alpha)

Other Field Measurements::

H8 SSW bag – 450 ppm Pb
270 ppm Pb (DUP)
H8 ESW bag – ~~645 ppm Pb~~ 123 ppm Pb
JJG 5/20

Observations:

Sample collected in 2 bags at 0840 (H8 SSW) and 14:50 (H8 ESW) on 5/10/10. Sample bags individually screened, put on ice, composited into 1 bag, rescreened, & then jarred.

0-3': Brown silty topsoil with some ash fill below 1' (mainly metal, bottles).

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☒	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 mL Amber	1615	PX-3A-3
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

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TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/10/10 1620	

Contractor Personnel: LAL: Operator – Bob Laborer – Mike

TRC Personnel: J. Grundy & J. Fiero

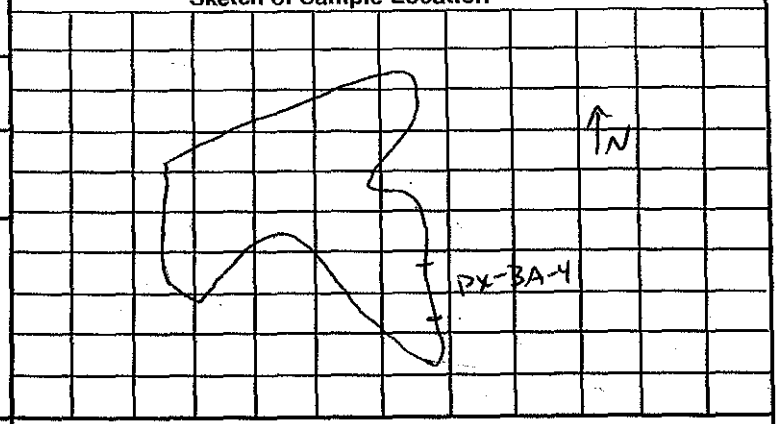
Sample No.: PX-3A-4

Depth/Interval Sampled: 0-3'

Sample Type: Grab **(Composite)** Both
(circle)

Media: **(Surface Soil)** Subsurface Soil Other _____ Sediment Surface Water Ground Water
(circle)

Sketch of Sample Location



Field Screening Information: 231 ppm Pb

Type of Meter: XRF (Innov-X Alpha)

Other Field Measurements::
H8 ESW Bag: 123 ppm Pb
G8 ESW Bag: 299 ppm Pb

Observations:
Bags from 2 sidewalls, H8 ESW (14:50 on 5/10/10) & G8 ESW (14:55) individually screened, composited into one sample, rescreened, & jarred into sample jar.

~~0-3'~~ 0-1' Dark brown silty topsoil & root matter
2-3' Dark brown silty topsoil & some ash fill (black/white/orange with bottle & metal).

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☒	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES **(NO)**	None	250 mL Amber	1620	PX-3A-4
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/10/10 1630	

Contractor Personnel: LAL: Operator - Bob Laborer - Mike

TRC Personnel: J. Grundy + J. Fiero

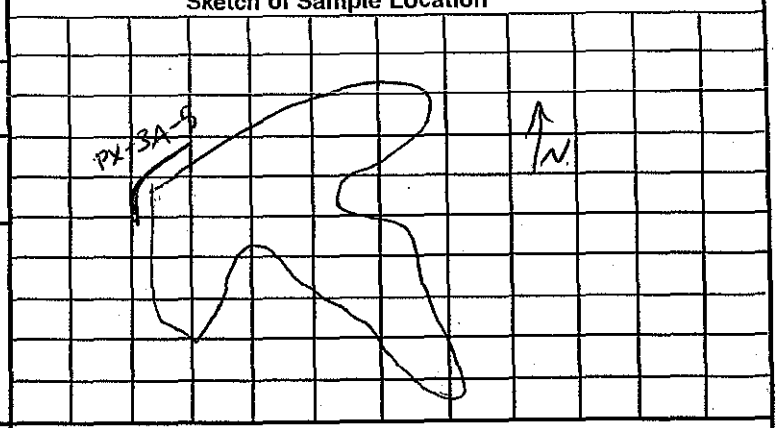
Sample No.: PX-3A-5

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (circle) (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 282 ppm Pb

Type of Meter: XRF (Innov-X Alpha)

Other Field Measurements::

DI NSW Bag: 213 ppm Pb
214 ppm Pb (DUP)
C2/C3 NSW Bag: 225 ppm Pb
121 ppm Pb (DUP)
C2/C3 WSW Bag: 230 ppm Pb

Observations:

Bags from 3 sidewalls on ~~5/10/10~~ 5/6/10 JSG (DI NSW at 13:30) and 5/10/10 (C2/C3 NSW at 10:05, C2/C3 WSW at 10:06). Bags were individually screened, put on ice, composited on 5/10/10, screened, + jarred.

0-1': Tan m-c sand + gravel with some blue-grey stone.
1'-3': Ash fill (orange + black) and brown silty sand.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☒	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 mL Amber	1630	PX-3A-5
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

Signed: James D. Grundy

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TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/10/10 ~~1630~~ JSC 1640	

Contractor Personnel: LAL: Operator – Bob Laborer – Mike

TRC Personnel: J. Grundy & J. Fiero

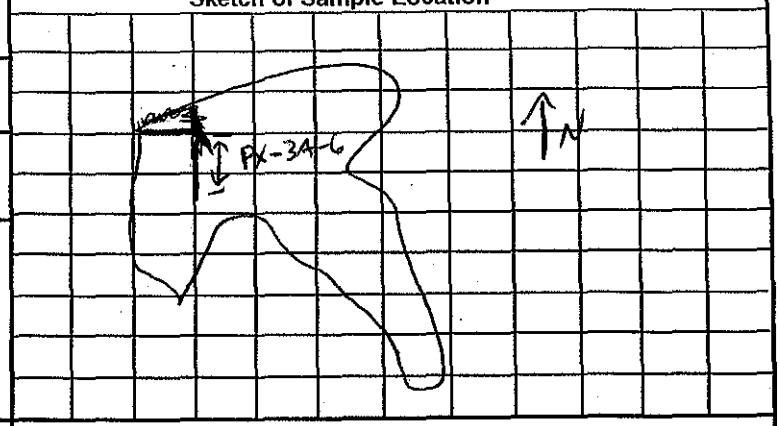
Sample No.: PX-3A-6

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water (circle)

Sketch of Sample Location



Field Screening Information: 332 ppm Pb

Type of Meter: XRF (Innov X Alpha)

Other Field Measurements::

C2/C3 ESW bag: 418 ppm Pb

D2 ESW bag: 122 ppm Pb

Observations:

Bags from 2 locations/sidewalls collected on 5/10/10 (C2/C3 ESW: 10:00, D2 ESW: 0820), individually screened, put on ice, composited, screened, & jarred.

0-3': tan f→m sand (looks like backfill) with a 0.5'-1' layer of black-white ash fill going from near surface ~~at~~ the northern edge & dropping to ~~south~~ bottom by southern edge of the sidewall

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☒	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 mL Amber	1640	PX-3A-6
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James A. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/12/10 0900	

Contractor Personnel: LAL: Operator-Bob Laborer-Mike

TRC Personnel: J. Grundy & J. Fiero

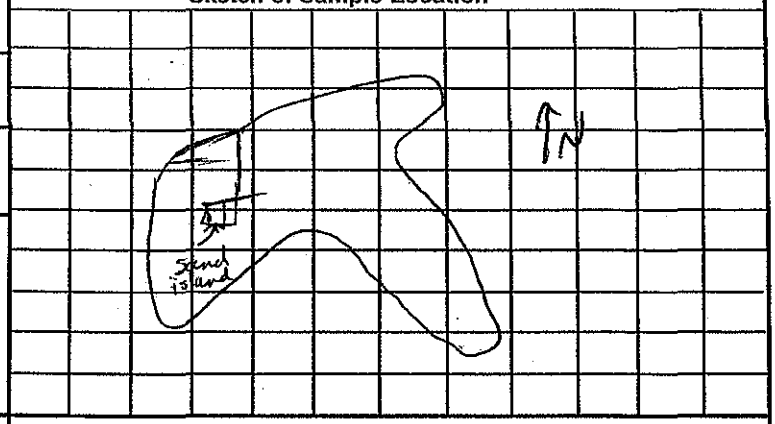
Sample No.: PX-3A-7

Depth/Interval Sampled: ~~0-3'~~ 1-3'

Sample Type: Grab **(Composite)** Both
(circle)

Media: **(Surface Soil)** Subsurface Soil Other _____ Sediment Surface Water Ground Water
(circle)

Sketch of Sample Location



Field Screening Information: 74 ppm Pb

Type of Meter: XRF (Innov-X Alpha)

Other Field Measurements::

Observations:
Represents an island of apparent backfill sand left in place (C2 sand). Fill on top scraped off (roughly top foot). Sand collected on 5/10/10 at 8:23, screened, put on ice, & jarred on 5/12/10.

0-1': white/black disturbed ash fill & topsoil (removed)
1-3': tan m->f sand (backfill possibly)

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES **(NO)**	None	250 mL Amber	0900	PX-3A-7
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Rev: 25 January 2002

Signed: James J. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/12/10 0915	

Contractor Personnel: LAL: Operator – Bob Laborer – Mike

TRC Personnel: J. Grundy & J. Frero

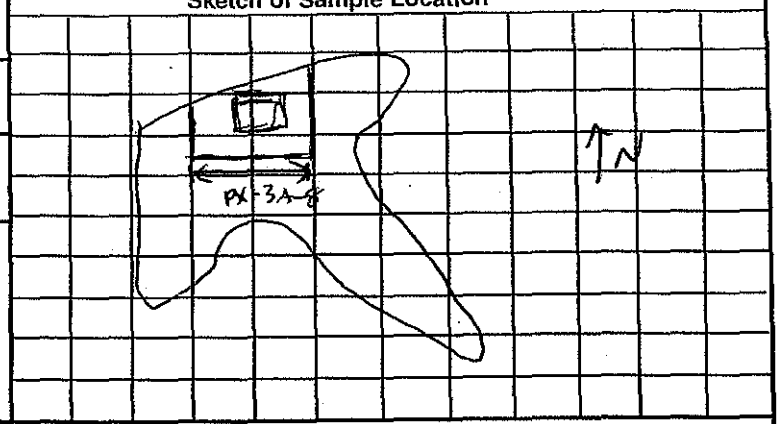
Sample No.: PX-3A-8

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (circle) (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 472 ppm Pb

Type of Meter: XRF (Innov-X Alpha)

Other Field Measurements::

D4 NSW Bag: 522 ppm Pb
D5 NSW Bag: 556 ppm Pb
D6 NSW Bag: 309 ppm Pb
617 ppm Pb (DUP)

Observations:

From 3 bags collected on ~~5/11/10~~ 5/11/10 (D4 NSW @ 1535, D5 NSW @ 1537, D6 NSW @ 1540). Bags individually screened, put on ice, composited on 5/12/10, rescreened, & jarred.

0-1': Brown silty topsoil (disturbed) with little ash fill
1-3': Ash fill (brown/black/orange/white) with numerous bottles, glass, & metal.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 mL Amber	0915	PX-3A-8
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Rev: 25 January 2002

Signed: James J. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/12/10 1050	

Contractor Personnel: LAL: Operator – Bob Laborer – Mike

TRC Personnel: J. Grundy & J. Fiero

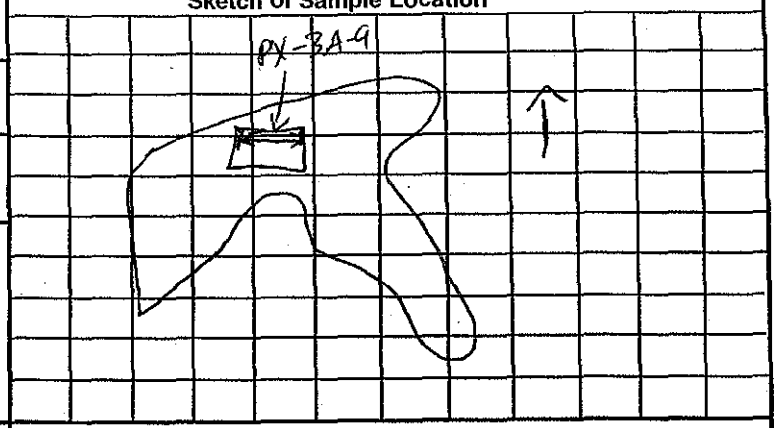
Sample No.: PX-3A-9

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (circle) (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 857 ppm Pb (ND for Cd, Sb) 550 ppm Pb

Type of Meter: XRF (Innov X Alpha)

Other Field Measurements::

B4 NSW Bay: 241 ppm Pb
<71 ppm Cd
<129 ppm Sb

B5 NSW Bay: 425 ppm Pb (344 & 725 ppm DUPS)
<68 ppm Cd (<65, <68 ppm DUPS)
<123 ppm Sb (<116, <125 ppm DUPS)

Observations:

From 2 bags collected on 5/11/10 (B4 NSW @ 10:38, B5 NSW @ 09:07). Bags individually screened, put on ice, composited on 1050, screened, & jarred.

0-3': Ash fill (orange/black/white). Quite a bit of glass, metal, & slag (large & small pieces). Note a layer of polychromatic silt at about 3' that appears to have elevated Sb levels.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 mL Amber	1050	PX-3A-9
☒ Total cadmium	YES (NO)	None	250 mL	1050	PX-3A-9
☒ Total Antimony	YES (NO)	None	250 mL	1050	PX-3A-9
☐	YES NO				
☐	YES NO				
☐	YES NO				

2 oz Also collected for total solids.

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Rev: 25 January 2002

Signed: James D. Grundy

TRC Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/12/10 1115	

Contractor Personnel: LAL: Operator-Bob Laborer-Mike

TRC Personnel: J. Grundy & J. Fiero

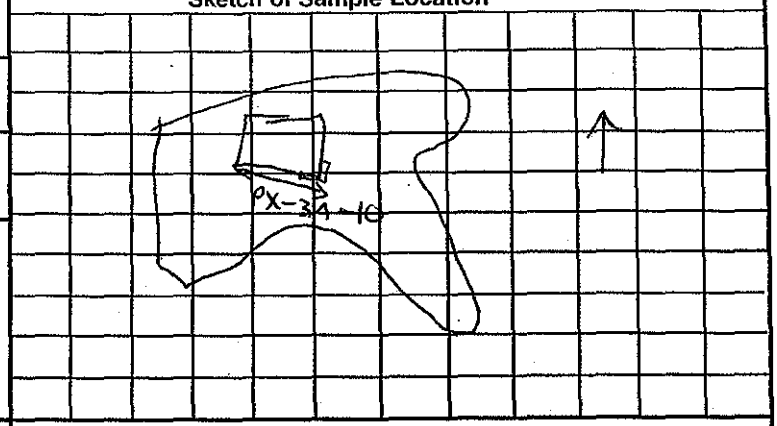
Sample No.: PX-3A-10

Depth/Interval Sampled: 0-3"

Sample Type: Grab (Composite) Both (circle)

Media: (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water (circle)

Sketch of Sample Location



Field Screening Information: 549 ppm Pb 864 ppm Pb (Dup) (ND for Cd/Sb)

Type of Meter: XRF (Alpha Innov X)

Other Field Measurements::
C4/C5 SSW Bag: 678 ppm Pb, < 67 64 ppm Cd, < 115 ppm Sb
B5/C5 SESW Bag: 532 ppm Pb, < 68 ppm Cd, < 122 ppm Sb

Observations:
From 2 bags collected on 5/11/10 (C4/C5 SSW @ 0900, B5/C5 SESW @ 0942). Bags individually screened, put on ice, composited on 5/12/10, screened, & jarred.

0-3": Ash fill (black/orange/white) with little brown silty topsoil. Glass, slag, & metal in fill.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 mL Amber	1115	PX-3A-10
☒ Total Cadmium	YES (NO)	None 2 oz Also collected	250 mL for total solids.	1115	PX-3A-10
☒ Total Antimony	YES (NO)	None	250 mL	1115	PX-3A-10
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: Jamie Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/12/10 1215	

Contractor Personnel: LAL: Operator - Bob Laborer - Mike

TRC Personnel: J. Grundy & J. Fiero

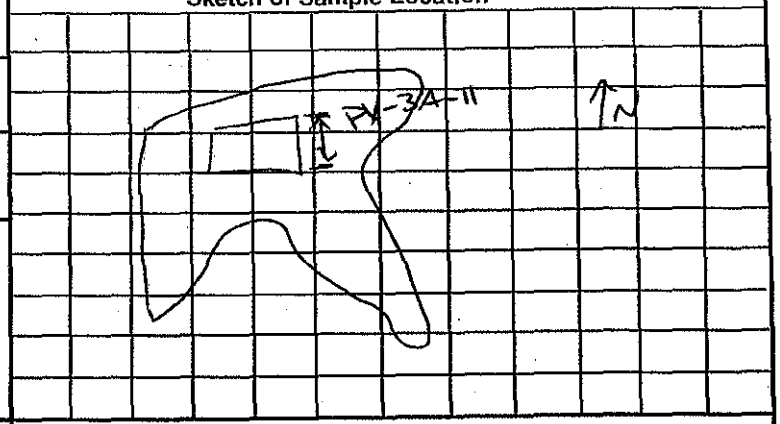
Sample No.: PX-3A-11

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water (circle)

Sketch of Sample Location



Field Screening Information: 978 ppm Pb, 693 ppm Pb (DUP) - 614 ppm Pb (DUP at same spot), 800 ppm Pb (DUP) (ND for Cd/Sb)

Type of Meter: XRF (Innov-X Alpha)

Other Field Measurements::
B5/C5 SESW bag: 532 ppm Pb
<68 ppm Pb, <122 ppm Sb
B6 ESW bag: 463 ppm Pb
830 ppm Pb (DUP)

Observations:
From 2 bags collected on 5/11/10 (B5/C5 SESW @ 09:42) & 5/12/10 (B6 ESW @ 09:12). Bags individually screened, put on ice, composited on 5/12, screened, & jarred.

0-3': Orange/black/white ash fill with metal & bottle glass. Note a small bluish silt layer at ~3' that appears to be Sb-laden.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger		Trowel	X
Core Sampler		Shelby Tube	
Spatula/Spoon	X	Dredge Sampler	
Bowl (stainless)		Kemmerer	
Split-spoon (2" or 3")		Extended Arm	
Encore®		Bailer	
Tube Auger		Backhoe	
Direct		Van Doren Bottle	
Ponar Grab			
Bucket Auger			
Peristaltic Pump			
MacroCore(4 ft or 5 ft)			
Other	X Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	X	
Alconox	X	Simple green
Tap Water		
HNO_3 (1 or 10%)		
Tap Water		
Methanol		
Hexane		
Acetone		
Air Dry		
DI Water		
Air Dry		
None		

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
X Total Lead	YES (NO)	None	250 mL Amber	1215	PX-3A-11
X Total Cadmium	YES (NO)	None	250 mL	1215	PX-3A-11
X Total Antimony	YES (NO)	None	250 mL	1215	PX-3A-11
	YES NO				
	YES NO	MS/DUP collected here for all analyses			
	YES NO				

2 oz Also collected for total solids.

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Signed: James J. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169904	5/12/10 1310	

Contractor Personnel: LAL: Operator – Bob Laborer – Mike

TRC Personnel: J. Grundy & J. Fiero

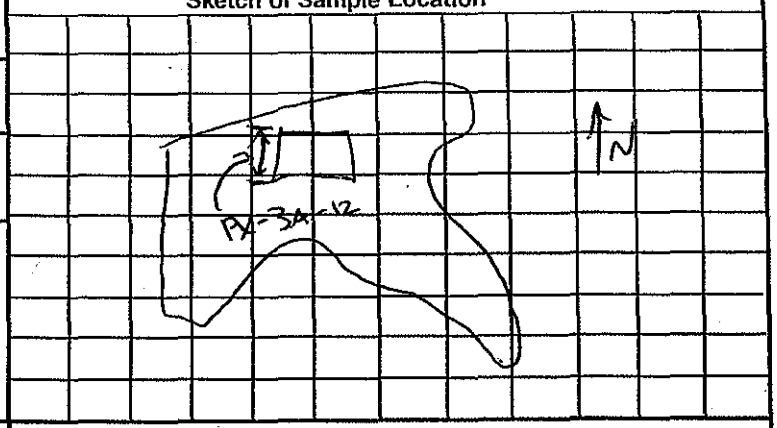
Sample No.: PX-3A-12

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (circle) (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 811 ppm Pb
544 ppm Pb (Dup)

Type of Meter: XRF (Innov X Alpha)

Other Field Measurements::
B4 WSW Bag: 201 ppm Pb
C4 WSW Bag: 632 ppm Pb
528 ppm Pb (Dup)

Observations:
From 2 bags collected on 5/11/10 (B4 WSW @ 10:40, C4 WSW @ 10:42). Bags individually screened, put on ice, composited on ~~1310~~ 5/12/10, screened as a composite sample & jarred.

0-3': Ash fill (orange/white/black) - glass/slag/metal. Parts are fairly hard compacted. Little brown silty topsoil.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 ml Amber	1310	PX-3A-12
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James A. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/12/10 1325	

Contractor Personnel: LAL: Operator – Bob Laborer – Mike

TRC Personnel: J. Grundy & J. Fiero

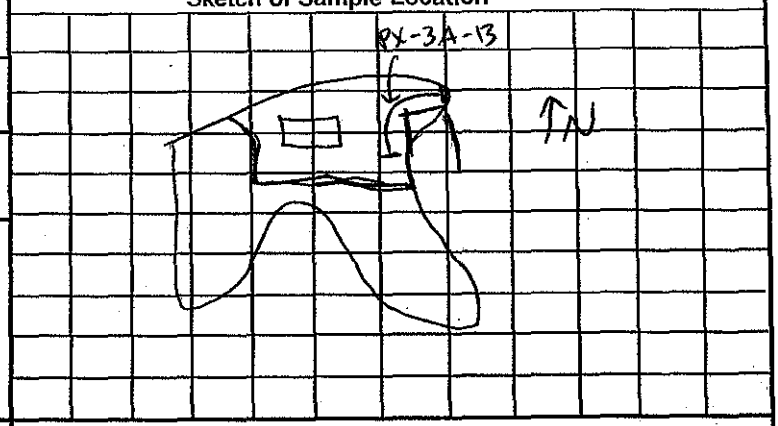
Sample No.: PX-3A-13

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water (circle)

Sketch of Sample Location



Field Screening Information: 365 ppm Pb

Type of Meter: XRF (Innov X Alpha)

Other Field Measurements::

A6/B6 WSW: 429 ppm Pb

A6/A7 NSW: 470 ppm Pb

Observations:

From 2 bags collected on 5/11/10 (A6/B6 WSW @ 14:00, A6/A7 NSW @ 14:05) - Sample bags screened, put on ice, composited on 5/12, screened as a post-ex, and jarred.

0-1': Brown silty topsoil with little ash fill (disturbed)

1-3': Ash fill (black/orange/brown) - metal & glass. Little brown silty sand.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 ml Amber	1325	PX-3A-13
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Rev: 25 January 2002

Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/12/10 1345	

Contractor Personnel: LAL: Operator – Bob Laborer – Mike

TRC Personnel: J. Grundy & J. Fiero

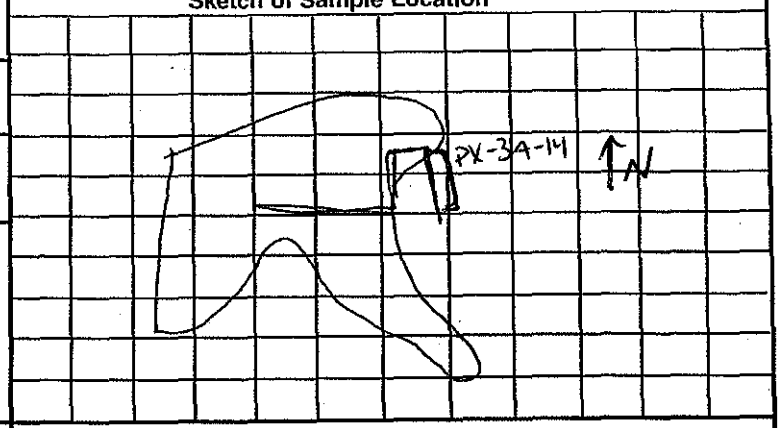
Sample No.: PX-3A-14

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (circle) (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 551 ppm Pb
644 ppm Pb (Dup)

Type of Meter: XRF (Innov X Alpha)

Other Field Measurements::

C8 ESW Bag: ~~720~~ 640 ppm Pb
~~720~~ 684 ppm Pb (Dup)

B8 NESW Bag: 489 ppm Pb

Observations:

from 2 bags collected on 5/12/10 (C8 ESW @ 10:25, B8 NESW @ 10:27). Bags screened, put on ice, composited later, screened as a post-ex, & jarred

~~0-3'~~: 0-1.5': Brown silty topsoil with some ash fill (disturbed)

1.5-3': Ash fill (black, orange, white) with little brown silty sand.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 mL Amber	1345	PX-3A-14
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

L2005-533

Signed: James A. Grundy

Rev: 25 January 2002

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/12/10 ~~10/1~~ 1400	

Contractor Personnel: LAL: Operator – Bob Laborer – Mike

TRC Personnel: J. Grundy & J. Fiero

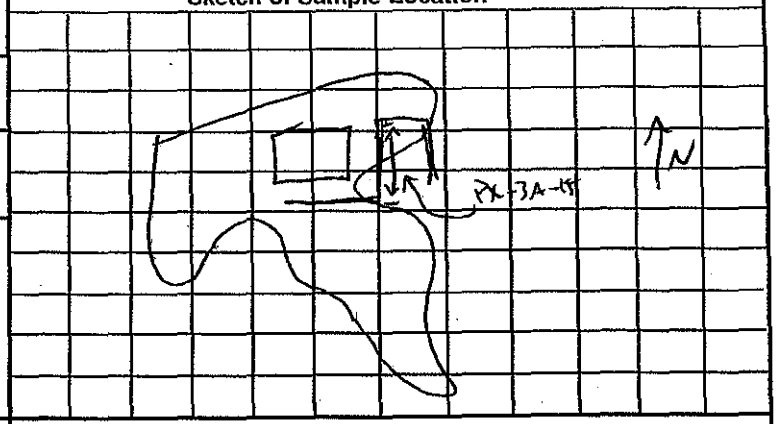
Sample No.: PX-3A-15

Depth/Interval Sampled: 0-3

Sample Type: Grab (Composite) Both (circle)

Media: (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water (circle)

Sketch of Sample Location



Field Screening Information: 560 ppm Pb

Type of Meter: XRF (Innov-X Alpha)

Other Field Measurements::

C7/D7 WSW = 515 ppm Pb
B7/C7 WSW = 1830 ppm Pb
536 ppm Pb (DUP)
472 ppm Pb (DUP)

Observations:

From 2 bags collected on 5/12/10 (C7/D7 WSW @ 10:30, B7/C7 WSW @ 10:32). Bags screened, put on ice, composited as a post ex, screened, 2 jarred.

0-3' – Brown silty loam/topsoil with some ash fill (disturbed).
1-3': Ash fill – lots of bottles + metal.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 mL Amber	1400	PX-3A-15
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

L2005-533

Rev: 25 January 2002

Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/12/10 1420 ~~1435~~	

Contractor Personnel: LAL: Operator - Bob Laborer - Mike

TRC Personnel: J. Grundy & J. Fiero

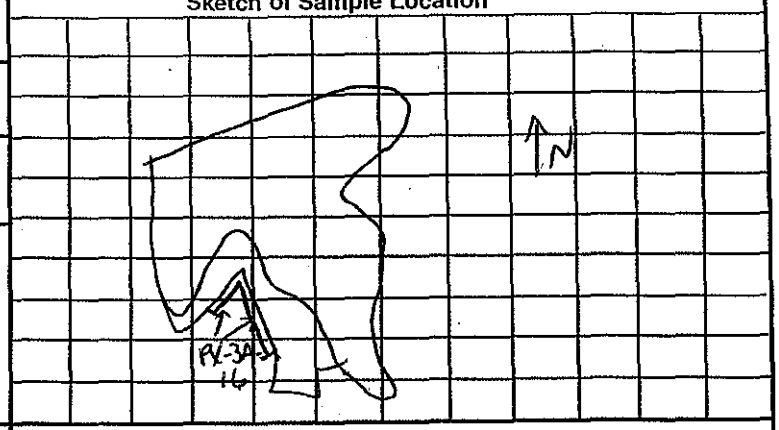
Sample No.: PX-3A-16

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water (circle)

Sketch of Sample Location



Field Screening Information: 601 ppm Pb, 816 ppm Pb

Type of Meter: XRF (Innov-X Alpha)

Other Field Measurements::

G3/F3 SSW Bag: 437 ppm Pb
535 ppm Pb (DUP)

G4 WSW Bag: 869 ppm Pb
779 ppm Pb (DUP)

Observations:

from 2 bags collected on 5/11/10 (G3/F3 SSW @ 11:10) and 5/12/10 (G4 WSW @ 13:55). Bags screened, put on ice, composited as a post-ex, screened & jarred

0-3': Brown silty topsoil (disturbed) on ash fill (white/orange) with lots of bottles.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 ml Amber	1420	PX-3A-16
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

Signed: James D. Grundy

L2005-533

Rev: 25 January 2002

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/12/10 1435	

Contractor Personnel: LAL: Operator - Bob Laborer - Mike

TRC Personnel: J. Grundy & J. Fiero

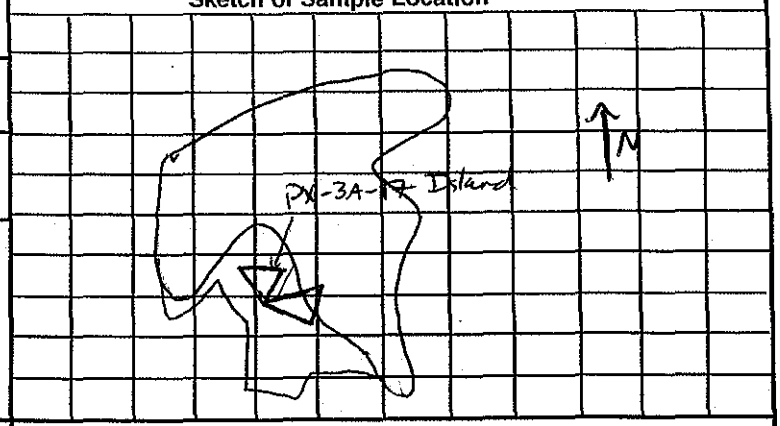
Sample No.: PX-3A-17

Depth/Interval Sampled: 0-3'

Sample Type: Grab (Composite) Both (circle)

Media: (circle) (Surface Soil) Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information: 493 ppm Pb

Type of Meter: XRF (Innov-X Alpha)

Other Field Measurements::
F4/F5 SSW Bag: 454 ppm Pb
G4/G5 NSW Bag: 471 ppm Pb

Observations:
From 2 bags collected on 5/11/10 (F4/F5 SSW @ 15:30) & 5/12/10 (G4/G5 NSW @ 12:15) - represents an island of material. Bags screened, put on ice, composited as a post ex, screened, & jarred.

0-3: Ash fill with little silty topsoil at the top.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 ml Amber	1435	PX-3A-17
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Rev: 25 January 2002

Signed: James D. Grundy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/12/10 1445	

Contractor Personnel:	TRC Personnel:
LAL: Operator - Bob Laborer - Mike	J. Grundy & J. Ficro

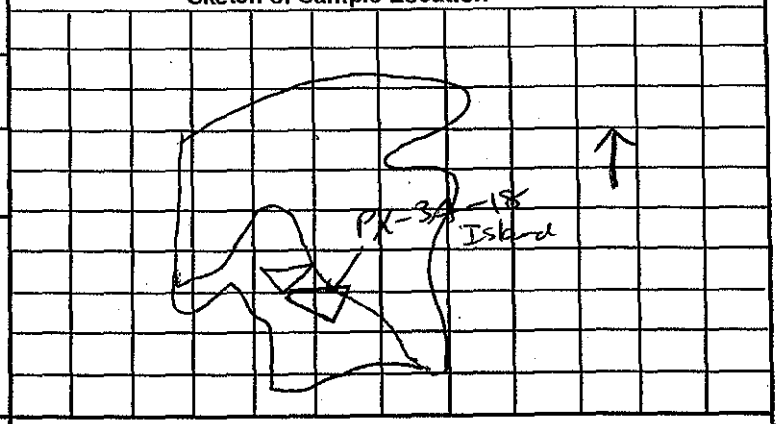
Sample No.: PX-3A-18

Depth/Interval Sampled: 0-3'

Sample Type: Grab **(Composite)** Both
(circle)

Media: **(Surface Soil)** Sediment
(circle) Subsurface Soil Surface Water
Other _____ Ground Water

Sketch of Sample Location



Field Screening Information: 569 ppm Pb

Type of Meter: XRF (Innovx Alpha)

Other Field Measurements::
F6 WSW Bag: 316 ppm Pb
H6/H7 SSW Bag: 658 ppm Pb
G6 ESW Bag: 490 ppm Pb

Observations:
From 3 bags: collected 5/11/10 (F6 WSW @ 12:55) & 5/12/10 (H6/H7 SSW @ 11:00, G6 ESW @ 12:18). Bags screened, put on ice, composited into a pit ex, screened, & jarred.

0-3': Ash fill with little brown silty topsoil on top. Lots of bottles. Northern edge of island in concrete spillway.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☒
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES **(NO)**	None	250 mL Amber	1445	PX-3A-18
☐	YES NO	2 oz Also collected for total solids.			
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

Rev: 25 January 2002

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Signed: [signature]

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/14/10 1245	

Contractor Personnel: LAL - operator (Adam) & Laborer (Mike)

TRC Personnel: J. Gaudy

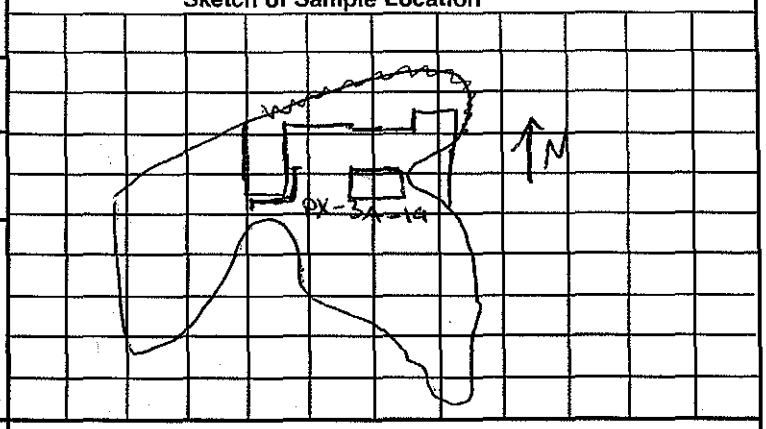
Sample No.: PX-3A-19

Depth/Interval Sampled: 0-3'

Sample Type: Grab **(Composite)** Both (circle)

Media: **(Surface Soil)** Subsurface Soil Other _____ Sediment Surface Water Ground Water (circle)

Sketch of Sample Location



Field Screening Information:

Type of Meter:

Other Field Measurements:: No field screening.

Observations: Sample taken from two locations (one on ~~SSW~~ NSW, one on WSW), & composited, & jarred. JSG 5/14/10

0-1': Brown silty topsoil (disturbed)
1-3': Ash fill (black/orange/white) - lots of glass/metal & compacted. Some slag.

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☐
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc bag		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES (NO)	None	250 ml amber	1245	PX-3A-19
☐	YES NO	Also collected a 2 oz	336 gm clear plastic jar for total solids		
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

Rev: 25 January 2002

L2005-533

Signed: James D. Gaudy

TRC

Sample Log Sheet

Project:	Project No.:	Date/Time:	Sheet 1 of 1
246 River Road	169909	5/14/10 1300	

Contractor Personnel: Operator (Adam) + Laborer (Mike) for LAL

TRC Personnel: J. Grundy

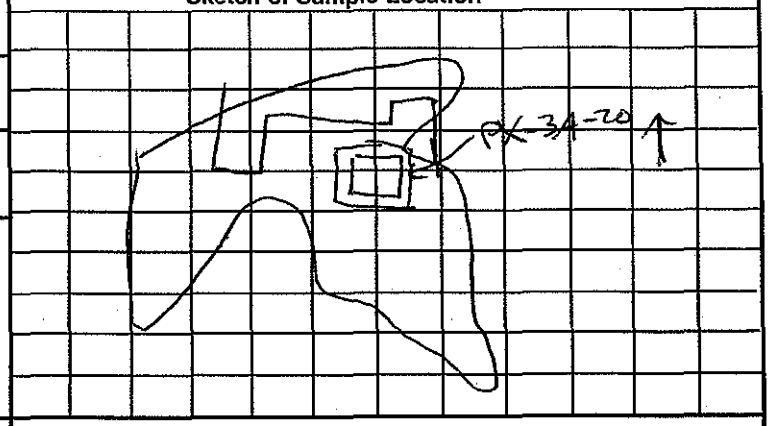
Sample No.: PX-3A-20

Depth/Interval Sampled: 0-3'

Sample Type: Grab **Composite** Both (circle)

Media: (circle) **Surface Soil** Subsurface Soil Other _____ Sediment Surface Water Ground Water

Sketch of Sample Location



Field Screening Information:

Type of Meter:

Other Field Measurements::

No field screening

Observations:

Sample collected from 7 locations from all sidewalls of island of material. Sample composited + jarred immediately. MS/DUP collected here.

0-1.5': Brown silty topsoil. Little ash fill
1.5-3': Ash fill (lots of bottles).

SAMPLE COLLECTION EQUIPMENT:

Hand Auger	☐	Trowel	☐
Core Sampler	☐	Shelby Tube	☐
Spatula/Spoon	☒	Dredge Sampler	☐
Bowl (stainless)	☐	Kemmerer	☐
Split-spoon (2" or 3")	☐	Extended Arm	☐
Encore®	☐	Bailer	☐
Tube Auger	☐	Backhoe	☐
Direct	☐	Van Doren Bottle	☐
Ponar Grab	☐		
Bucket Auger	☐		
Peristaltic Pump	☐		
MacroCore(4 ft or 5 ft)	☐		
Other	☒ Ziploc		

DECONTAMINATION PROECDURE:

DECON. FLUID	USED	DESCRIPTION
Tap water	☒	
Alconox	☒	Simple green
Tap Water	☐	
HNO_3 (1 or 10%)	☐	
Tap Water	☐	
Methanol	☐	
Hexane	☐	
Acetone	☐	
Air Dry	☐	
DI Water	☐	
Air Dry	☐	
None	☐	

ANALYTICAL PARAMETERS	Filtered (circle)	Preservation Method	Volume/Container	Time of Collection	Sample ID
☒ Total Lead	YES **NO**	None	250 mL Amber	1300	PX-3A-20
☐	YES NO	Also collected a	2oz clear plastic jar	for total solids.	
☐	YES NO				
☐	YES NO				
☐	YES NO				
☐	YES NO				

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Signed: James D. Grundy

APPENDIX C

LABORATORY ANALYTICAL RESULTS

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

May 26, 2010

Jason Atwood
Triumvirate Environmental
Box 136, 63 Innerbelt Road
Sommerville, MA 02143

Project Location: New Bedford, MA
Client Job Number:
Project Number: 66698
Laboratory Work Order Number: 10E0395

Enclosed are results of analyses for samples received by the laboratory on May 18, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

Triumvirate Environmental
Box 136, 63 Innerbelt Road
Sommerville, MA 02143
ATTN: Jason Atwood

REPORT DATE: 5/26/2010

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 66698

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10E0395

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: New Bedford, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Characterization 1	10E0395-01	Soil		SM 2540G	
				SM18-20 2510B	
				SW-846 1311	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8082	
				SW-846 8100 Modified	
				SW-846 8260B	
				SW-846 8270C	
Characterization 2	10E0395-02	Soil		SM 2540G	
				SM18-20 2510B	
				SW-846 1311	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8082	
				SW-846 8100 Modified	
				SW-846 8260B	
				SW-846 8270C	
Characterization 3	10E0395-03	Soil		SM 2540G	
				SM18-20 2510B	
				SW-846 1311	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8082	
				SW-846 8100 Modified	
				SW-846 8260B	
				SW-846 8270C	
Characterization 4	10E0395-04	Soil		SM 2540G	
				SM18-20 2510B	
				SW-846 1311	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8082	
				SW-846 8100 Modified	
				SW-846 8260B	
				SW-846 8270C	

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

Triumvirate Environmental
Box 136, 63 Innerbelt Road
Sommerville, MA 02143
ATTN: Jason Atwood

REPORT DATE: 5/26/2010

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 66698

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10E0395

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: New Bedford, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Characterization 5	10E0395-05	Soil		SM 2540G	
				SM18-20 2510B	
				SW-846 1311	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8082	
				SW-846 8100 Modified	
				SW-846 8260B	
				SW-846 8270C	

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

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

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

SW-846 6010B

Qualifications:

Elevated reporting limit due to high concentration of an interfering analyte(s).

Analyte & Samples(s) Qualified:

Selenium

10E0395-01[Characterization 1], 10E0395-02[Characterization 2], 10E0395-03[Characterization 3], 10E0395-04[Characterization 4], 10E0395-05[Characterization 5], B013837-DUP1, B013837-MS1

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Barium, Lead

B013837-MS1

The matrix spike recovery is outside control limits. This is due to an interference associated with this element. Analysis is in control based on the laboratory control samples.

Analyte & Samples(s) Qualified:

Selenium

10E0395-04[Characterization 4], B013837-MS1

SW-846 8260B

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Chlorodibromomethane, Trichlorofluoromethane (Freon 11)

B013812-BS1, B013812-BSD1, B013844-BS1, B013844-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Carbon Disulfide

B013812-BS1, B013844-BS1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,4-Dioxane, 2,2-Dichloropropane, Naphthalene

10E0395-01[Characterization 1], 10E0395-02[Characterization 2], 10E0395-03[Characterization 3], 10E0395-04[Characterization 4], 10E0395-05[Characterization 5], B013812-BLK1, B013812-BS1, B013812-BSD1, B013844-BLK1, B013844-BS1, B013844-BSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Bromomethane, Chlorodibromomethane

B013812-BS1, B013812-BSD1, B013844-BS1, B013844-BSD1

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

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane

10E0395-01[Characterization 1], 10E0395-02[Characterization 2], 10E0395-03[Characterization 3], 10E0395-04[Characterization 4], 10E0395-05[Characterization 5], B013812-BLK1, B013812-BS1, B013812-BSD1, B013844-BLK1, B013844-BS1, B013844-BSD1

SW-846 8270C

Qualifications:

More than one surrogate standard recovery for the associated fraction is outside of control limits or any one surrogate recovery is < 10%. All reported acid fraction data is estimated.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d6

10E0395-01[Characterization 1], 10E0395-01RE1[Characterization 1], 10E0395-02[Characterization 2], 10E0395-02RE1[Characterization 2], 10E0395-03[Characterization 3], 10E0395-04[Characterization 4], 10E0395-04RE1[Characterization 4], 10E0395-05[Characterization 5], 10E0395-05RE1[Characterization 5]

Internal standard area >200% of associated calibration standard internal standard area.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Diphenylhydrazine (as Azobenzene), 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Methylnaphthalene, 2-Methylphenol, 2-Nitrophenol, 3/4-Methylphenol, 4-Chloroaniline, 4-Nitrophenol, Acenaphthene, Acenaphthylene, Acetophenone, Aniline, Bis(2-chloroethoxy)methane, Bis(2-chloroethyl)ether, Bis(2-chloroisopropyl)ether, Dibenzofuran, Diethylphthalate, Dimethylphthalate, Fluorene, Hexachlorobutadiene, Hexachloroethane, Isophorone, Naphthalene, Nitrobenzene, Phenol
10E0395-04RE1[Characterization 4], 10E0395-03RE1[Characterization 3]

Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

10E0395-01[Characterization 1], 10E0395-01RE1[Characterization 1], 10E0395-02[Characterization 2], 10E0395-02RE1[Characterization 2], 10E0395-03[Characterization 3], 10E0395-03RE1[Characterization 3], 10E0395-04[Characterization 4], 10E0395-04RE1[Characterization 4], 10E0395-05[Characterization 5], 10E0395-05RE1[Characterization 5], B013793-BLK1, B013793-BS1, B013793-BSD1, B013994-BLK1, B013994-BS1, B013994-BSD1

SW-846 8260B

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for “difficult analytes” where recovery control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, tert-butyl alcohol, acetone, 1,4-dioxane, vinyl chloride, chloromethane, dichlorodifluoromethane, 2-hexanone, naphthalene, methylene chloride, and tert-butylbenzene.

Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for “difficult analytes” where RPDs of 50% are used and/or unless otherwise listed in this narrative. Difficult analyte: 1,4-dioxane

SW-846 8270C

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for “difficult analytes” listed below and/or otherwise listed in this narrative. Difficult analytes for soil LCS - limits between 10 and 180% depending on the compound(see QC summary report for limits): 3,3’-dichlorobenzidine, aniline, 2,4-dinitrophenol, and 4-chloroaniline.

Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for ”difficult analytes” where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative. Difficult analytes for soil RPDs: 3,3’-dichlorobenzidine, 4-nitrophenol, and aniline.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 1 | Sampled: 5/18/2010 13:45

Sample ID: 10E0395-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1.7	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Benzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Bromobenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Bromochloromethane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Bromodichloromethane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Bromoform	ND	0.69	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Bromomethane	ND	0.35	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
2-Butanone (MEK)	ND	0.69	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
n-Butylbenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
sec-Butylbenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
tert-Butylbenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Carbon Disulfide	ND	0.35	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Carbon Tetrachloride	ND	0.14	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Chlorobenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Chlorodibromomethane	ND	0.069	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Chloroethane	ND	0.069	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Chloroform	ND	0.069	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Chloromethane	ND	0.069	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
2-Chlorotoluene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
4-Chlorotoluene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.35	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,2-Dibromoethane (EDB)	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Dibromomethane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,2-Dichlorobenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,3-Dichlorobenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,4-Dichlorobenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.069	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,1-Dichloroethane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,2-Dichloroethane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,1-Dichloroethylene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
cis-1,2-Dichloroethylene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
trans-1,2-Dichloroethylene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,2-Dichloropropane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,3-Dichloropropane	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
2,2-Dichloropropane	ND	0.035	mg/Kg dry	1	V-05	SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,1-Dichloropropene	ND	0.069	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
cis-1,3-Dichloropropene	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
trans-1,3-Dichloropropene	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Diethyl Ether	ND	0.069	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Diisopropyl Ether (DIPE)	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,4-Dioxane	ND	1.7	mg/Kg dry	1	V-05, V-16	SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Ethylbenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 1
Sampled: 5/18/2010 13:45

Sample ID: 10E0395-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
2-Hexanone (MBK)	ND	0.35	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Isopropylbenzene (Cumene)	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Methylene Chloride	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.35	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Naphthalene	ND	0.069	mg/Kg dry	1	V-05	SW-846 8260B	5/19/10	5/20/10 11:32	MFF
n-Propylbenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Styrene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,1,1,2-Tetrachloroethane	ND	0.069	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,1,2,2-Tetrachloroethane	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Tetrachloroethylene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Tetrahydrofuran	ND	0.35	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Toluene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,2,3-Trichlorobenzene	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,2,4-Trichlorobenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,1,1-Trichloroethane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,1,2-Trichloroethane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Trichloroethylene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Trichlorofluoromethane (Freon 11)	ND	0.069	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,2,3-Trichloropropane	ND	0.069	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,2,4-Trimethylbenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
1,3,5-Trimethylbenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
Vinyl Chloride	ND	0.069	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
m+p Xylene	ND	0.069	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF
o-Xylene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 11:32	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	100	70-130		5/20/10 11:32
Toluene-d8	99.6	70-130		5/20/10 11:32
4-Bromofluorobenzene	86.5	70-130		5/20/10 11:32

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Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 1 | Sampled: 5/18/2010 13:45

Sample ID: 10E0395-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Acenaphthene	0.56	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Acenaphthylene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Acetophenone	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Acetophenone	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Aniline	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Anthracene	1.3	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Anthracene	0.24	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Benzo(a)anthracene	3.2	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Benzo(a)anthracene	0.93	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Benzo(a)pyrene	2.6	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Benzo(a)pyrene	0.91	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Benzo(b)fluoranthene	2.7	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Benzo(b)fluoranthene	1.1	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Benzo(g,h,i)perylene	1.5	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Benzo(g,h,i)perylene	0.37	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Benzo(k)fluoranthene	1.1	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Bis(2-chloroethoxy)methane	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Bis(2-chloroethyl)ether	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Bis(2-chloroisopropyl)ether	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
4-Bromophenylphenylether	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Butylbenzylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
4-Chloroaniline	ND	0.74	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
4-Chloroaniline	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2-Chloronaphthalene	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2-Chlorophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Chrysene	1.0	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Chrysene	3.3	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Dibenz(a,h)anthracene	0.43	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Dibenzofuran	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL

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Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 1 | Sampled: 5/18/2010 13:45

Sample ID: 10E0395-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-butylphthalate	0.79	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
1,2-Dichlorobenzene	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
1,2-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
1,3-Dichlorobenzene	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
1,3-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
1,4-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
1,4-Dichlorobenzene	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
3,3-Dichlorobenzidine	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2,4-Dichlorophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Diethylphthalate	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2,4-Dimethylphenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Dimethylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2,4-Dinitrophenol	ND	0.74	mg/Kg dry	1	V-19	SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2,4-Dinitrophenol	ND	1.5	mg/Kg dry	1	V-19	SW-846 8270C	5/19/10	5/22/10 14:12	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2,4-Dinitrotoluene	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2,6-Dinitrotoluene	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Di-n-octylphthalate	ND	0.74	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Fluoranthene	5.0	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Fluoranthene	1.7	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Fluorene	0.51	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Hexachlorobenzene	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Hexachlorobutadiene	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Hexachloroethane	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Indeno(1,2,3-cd)pyrene	1.8	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Indeno(1,2,3-cd)pyrene	0.47	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Isophorone	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Isophorone	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2-Methylnaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL

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Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 1 | Sampled: 5/18/2010 13:45

Sample ID: 10E0395-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2-Methylphenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
3/4-Methylphenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Naphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Nitrobenzene	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2-Nitrophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
4-Nitrophenol	ND	0.74	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
4-Nitrophenol	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Pentachlorophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Phenanthrene	6.7	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Phenanthrene	1.4	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Phenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
Pyrene	5.8	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
Pyrene	1.5	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
1,2,4-Trichlorobenzene	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2,4,5-Trichlorophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 13:19	BGL
2,4,6-Trichlorophenol	ND	0.76	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:12	BGL

Surrogates	% Recovery		Recovery Limits	Flag	
2-Fluorophenol	**4.62**	*	30-130	S-05	5/25/10 13:19
2-Fluorophenol	**1.65**	*	30-130	S-05	5/22/10 14:12
Phenol-d6	**13.7**	*	30-130	S-05	5/22/10 14:12
Phenol-d6	**28.6**	*	30-130	S-05	5/25/10 13:19
Nitrobenzene-d5	50.7		30-130		5/22/10 14:12
Nitrobenzene-d5	48.7		30-130		5/25/10 13:19
2-Fluorobiphenyl	56.6		30-130		5/25/10 13:19
2-Fluorobiphenyl	55.9		30-130		5/22/10 14:12
2,4,6-Tribromophenol	**4.70**	*	30-130	S-05	5/25/10 13:19
2,4,6-Tribromophenol	**0.0800**	*	30-130	S-05	5/22/10 14:12
Terphenyl-d14	47.8		30-130		5/22/10 14:12
Terphenyl-d14	51.5		30-130		5/25/10 13:19

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 1
Sampled: 5/18/2010 13:45

Sample ID: 10E0395-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:28	JB
Aroclor-1221 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:28	JB
Aroclor-1232 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:28	JB
Aroclor-1242 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:28	JB
Aroclor-1248 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:28	JB
Aroclor-1254 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:28	JB
Aroclor-1260 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:28	JB
Aroclor-1262 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:28	JB
Aroclor-1268 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:28	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	72.1	30-150		5/20/10 17:28
Decachlorobiphenyl [2]	72.1	30-150		5/20/10 17:28
Tetrachloro-m-xylene [1]	68.3	30-150		5/20/10 17:28
Tetrachloro-m-xylene [2]	67.7	30-150		5/20/10 17:28

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 1
Sampled: 5/18/2010 13:45

Sample ID: 10E0395-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH as Diesel	210	94	mg/Kg dry	5		SW-846 8100 Modified	5/19/10	5/21/10 20:18	CJM

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 1
Sampled: 5/18/2010 13:45

Sample ID: 10E0395-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	16	2.8	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:51	OP
Barium	410	2.8	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:51	OP
Cadmium	1.7	0.28	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:51	OP
Chromium	29	0.55	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:51	OP
Lead	690	0.83	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:51	OP
Mercury	0.27	0.021	mg/Kg dry	1		SW-846 7471A	5/20/10	5/21/10 11:37	MPF
Selenium	ND	28	mg/Kg dry	5	DL-04	SW-846 6010B	5/20/10	5/24/10 12:05	KSH
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:51	OP

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 1
Sampled: 5/18/2010 13:45

Sample ID: 10E0395-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Specific conductance	470	2.0	µmhos/cm	1		SM18-20 2510B	5/19/10	5/19/10 14:30	SBP
% Solids	88.9		% Wt	1		SM 2540G	5/19/10	5/20/10 9:07	NH

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 1
Sampled: 5/18/2010 13:45

Sample ID: 10E0395-01

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	0.92	0.010	mg/L	1		SW-846 6010B	5/21/10	5/21/10 17:09	OP

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Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 2 | Sampled: 5/18/2010 13:50

Sample ID: 10E0395-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1.7	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Benzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Bromobenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Bromochloromethane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Bromodichloromethane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Bromoform	ND	0.70	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Bromomethane	ND	0.35	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
2-Butanone (MEK)	ND	0.70	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
n-Butylbenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
sec-Butylbenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
tert-Butylbenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Carbon Disulfide	ND	0.35	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Carbon Tetrachloride	ND	0.14	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Chlorobenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Chlorodibromomethane	ND	0.070	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Chloroethane	ND	0.070	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Chloroform	ND	0.070	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Chloromethane	ND	0.070	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
2-Chlorotoluene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
4-Chlorotoluene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.35	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,2-Dibromoethane (EDB)	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Dibromomethane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,2-Dichlorobenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,3-Dichlorobenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,4-Dichlorobenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.070	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,1-Dichloroethane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,2-Dichloroethane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,1-Dichloroethylene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
cis-1,2-Dichloroethylene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
trans-1,2-Dichloroethylene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,2-Dichloropropane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,3-Dichloropropane	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
2,2-Dichloropropane	ND	0.035	mg/Kg dry	1	V-05	SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,1-Dichloropropene	ND	0.070	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
cis-1,3-Dichloropropene	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
trans-1,3-Dichloropropene	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Diethyl Ether	ND	0.070	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Diisopropyl Ether (DIPE)	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,4-Dioxane	ND	1.7	mg/Kg dry	1	V-05, V-16	SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Ethylbenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 2
Sampled: 5/18/2010 13:50

Sample ID: 10E0395-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
2-Hexanone (MBK)	ND	0.35	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Isopropylbenzene (Cumene)	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Methylene Chloride	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
4-Methyl-2-pentanone (MIBK)	ND	0.35	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Naphthalene	ND	0.070	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
n-Propylbenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Styrene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,1,1,2-Tetrachloroethane	ND	0.070	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,1,2,2-Tetrachloroethane	ND	0.017	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Tetrachloroethylene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Tetrahydrofuran	ND	0.35	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Toluene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,2,3-Trichlorobenzene	ND	0.17	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,2,4-Trichlorobenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,1,1-Trichloroethane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,1,2-Trichloroethane	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Trichloroethylene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Trichlorofluoromethane (Freon 11)	ND	0.070	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,2,3-Trichloropropane	ND	0.070	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,2,4-Trimethylbenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
1,3,5-Trimethylbenzene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
Vinyl Chloride	ND	0.070	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
m+p Xylene	ND	0.070	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD
o-Xylene	ND	0.035	mg/Kg dry	1		SW-846 8260B	5/19/10	5/19/10 23:34	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	96.3	70-130		5/19/10 23:34
Toluene-d8	96.1	70-130		5/19/10 23:34
4-Bromofluorobenzene	82.6	70-130		5/19/10 23:34

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Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 2 | Sampled: 5/18/2010 13:50

Sample ID: 10E0395-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Acenaphthene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Acenaphthylene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Acetophenone	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Acetophenone	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Aniline	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Anthracene	0.21	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Anthracene	0.46	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Benzo(a)anthracene	1.0	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Benzo(a)anthracene	1.2	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Benzo(a)pyrene	0.97	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Benzo(a)pyrene	1.1	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Benzo(b)fluoranthene	1.3	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Benzo(b)fluoranthene	1.2	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Benzo(g,h,i)perylene	0.35	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Benzo(g,h,i)perylene	0.75	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Benzo(k)fluoranthene	0.51	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Benzo(k)fluoranthene	0.52	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Bis(2-chloroethoxy)methane	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Bis(2-chloroethyl)ether	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Bis(2-chloroisopropyl)ether	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
4-Bromophenylphenylether	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Butylbenzylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
4-Chloroaniline	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
2-Chloronaphthalene	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2-Chlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Chrysene	1.1	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Chrysene	1.3	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Dibenz(a,h)anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Dibenzofuran	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 2 | Sampled: 5/18/2010 13:50

Sample ID: 10E0395-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-butylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
1,2-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
1,2-Dichlorobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
1,3-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
1,3-Dichlorobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
1,4-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
1,4-Dichlorobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
3,3-Dichlorobenzidine	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2,4-Dichlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Diethylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2,4-Dimethylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Dimethylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1	V-19	SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2,4-Dinitrophenol	ND	1.5	mg/Kg dry	1	V-19	SW-846 8270C	5/19/10	5/22/10 14:40	BGL
2,4-Dinitrotoluene	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2,6-Dinitrotoluene	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Di-n-octylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Fluoranthene	2.1	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Fluoranthene	1.6	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Fluorene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Hexachlorobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Hexachlorobutadiene	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Hexachloroethane	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Indeno(1,2,3-cd)pyrene	0.88	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Indeno(1,2,3-cd)pyrene	0.43	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Isophorone	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2-Methylnaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 2 | Sampled: 5/18/2010 13:50

Sample ID: 10E0395-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2-Methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
3/4-Methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Naphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Nitrobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
4-Nitrophenol	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Pentachlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Phenanthrene	2.0	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Phenanthrene	1.0	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Phenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
Pyrene	2.4	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
Pyrene	1.3	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
1,2,4-Trichlorobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2,4,5-Trichlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	5/24/10	5/24/10 18:50	BGL
2,4,6-Trichlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 14:40	BGL

Surrogates	% Recovery		Recovery Limits	Flag	
2-Fluorophenol	**5.93**	*	30-130	S-05	5/24/10 18:50
2-Fluorophenol	**1.06**	*	30-130	S-05	5/22/10 14:40
Phenol-d6	**12.7**	*	30-130	S-05	5/22/10 14:40
Phenol-d6	35.5		30-130		5/24/10 18:50
Nitrobenzene-d5	48.4		30-130		5/24/10 18:50
Nitrobenzene-d5	64.7		30-130		5/22/10 14:40
2-Fluorobiphenyl	72.1		30-130		5/22/10 14:40
2-Fluorobiphenyl	60.6		30-130		5/24/10 18:50
2,4,6-Tribromophenol	**4.38**	*	30-130	S-05	5/24/10 18:50
2,4,6-Tribromophenol		*	30-130	S-05	5/22/10 14:40
Terphenyl-d14	71.6		30-130		5/22/10 14:40
Terphenyl-d14	37.6		30-130		5/24/10 18:50

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 2
Sampled: 5/18/2010 13:50

Sample ID: 10E0395-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:43	JB
Aroclor-1221 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:43	JB
Aroclor-1232 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:43	JB
Aroclor-1242 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:43	JB
Aroclor-1248 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:43	JB
Aroclor-1254 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:43	JB
Aroclor-1260 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:43	JB
Aroclor-1262 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:43	JB
Aroclor-1268 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:43	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	63.5	30-150		5/20/10 17:43
Decachlorobiphenyl [2]	63.0	30-150		5/20/10 17:43
Tetrachloro-m-xylene [1]	62.0	30-150		5/20/10 17:43
Tetrachloro-m-xylene [2]	60.8	30-150		5/20/10 17:43

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 2
Sampled: 5/18/2010 13:50

Sample ID: 10E0395-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH as Diesel	150	92	mg/Kg dry	5		SW-846 8100 Modified	5/19/10	5/21/10 20:36	CJM

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 2
Sampled: 5/18/2010 13:50

Sample ID: 10E0395-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	13	2.8	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:55	OP
Barium	370	2.8	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:55	OP
Cadmium	1.5	0.28	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:55	OP
Chromium	26	0.57	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:55	OP
Lead	520	0.85	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:55	OP
Mercury	0.12	0.027	mg/Kg dry	1		SW-846 7471A	5/20/10	5/21/10 11:38	MPF
Selenium	ND	28	mg/Kg dry	5	DL-04	SW-846 6010B	5/20/10	5/24/10 12:10	KSH
Silver	ND	0.57	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:55	OP

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 2
Sampled: 5/18/2010 13:50

Sample ID: 10E0395-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Specific conductance	520	2.0	µmhos/cm	1		SM18-20 2510B	5/19/10	5/19/10 14:30	SBP
% Solids	90.4		% Wt	1		SM 2540G	5/19/10	5/20/10 9:07	NH

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 2
Sampled: 5/18/2010 13:50

Sample ID: 10E0395-02

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	0.53	0.010	mg/L	1		SW-846 6010B	5/21/10	5/21/10 17:14	OP

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 3 | Sampled: 5/18/2010 13:55

Sample ID: 10E0395-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	2.0	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Benzene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Bromobenzene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Bromochloromethane	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Bromodichloromethane	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Bromoform	ND	0.80	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Bromomethane	ND	0.40	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
2-Butanone (MEK)	ND	0.80	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
n-Butylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
sec-Butylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
tert-Butylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Carbon Disulfide	ND	0.40	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Carbon Tetrachloride	ND	0.16	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Chlorobenzene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Chlorodibromomethane	ND	0.080	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Chloroethane	ND	0.080	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Chloroform	ND	0.080	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Chloromethane	ND	0.080	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
2-Chlorotoluene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
4-Chlorotoluene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.40	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,2-Dibromoethane (EDB)	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Dibromomethane	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,2-Dichlorobenzene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,3-Dichlorobenzene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,4-Dichlorobenzene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.080	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,1-Dichloroethane	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,2-Dichloroethane	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,1-Dichloroethylene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
cis-1,2-Dichloroethylene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
trans-1,2-Dichloroethylene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,2-Dichloropropane	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,3-Dichloropropane	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
2,2-Dichloropropane	ND	0.040	mg/Kg dry	1	V-05	SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,1-Dichloropropene	ND	0.080	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
cis-1,3-Dichloropropene	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
trans-1,3-Dichloropropene	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Diethyl Ether	ND	0.080	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Diisopropyl Ether (DIPE)	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,4-Dioxane	ND	2.0	mg/Kg dry	1	V-05, V-16	SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Ethylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 3 | Sampled: 5/18/2010 13:55

Sample ID: 10E0395-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
2-Hexanone (MBK)	ND	0.40	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Isopropylbenzene (Cumene)	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Methylene Chloride	ND	0.20	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
4-Methyl-2-pentanone (MIBK)	ND	0.40	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Naphthalene	ND	0.080	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
n-Propylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Styrene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,1,1,2-Tetrachloroethane	ND	0.080	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,1,2,2-Tetrachloroethane	ND	0.020	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Tetrachloroethylene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Tetrahydrofuran	ND	0.40	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Toluene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,2,3-Trichlorobenzene	ND	0.20	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,2,4-Trichlorobenzene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,1,1-Trichloroethane	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,1,2-Trichloroethane	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Trichloroethylene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Trichlorofluoromethane (Freon 11)	ND	0.080	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,2,3-Trichloropropane	ND	0.080	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,2,4-Trimethylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
1,3,5-Trimethylbenzene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
Vinyl Chloride	ND	0.080	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
m+p Xylene	ND	0.080	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD
o-Xylene	ND	0.040	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:04	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	106	70-130		5/20/10 0:04
Toluene-d8	103	70-130		5/20/10 0:04
4-Bromofluorobenzene	89.1	70-130		5/20/10 0:04

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 3 | Sampled: 5/18/2010 13:55

Sample ID: 10E0395-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Acenaphthene	ND	0.19	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Acenaphthylene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Acetophenone	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Acetophenone	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Aniline	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Aniline	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Benzo(a)anthracene	1.1	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Benzo(a)anthracene	0.54	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Benzo(a)pyrene	0.96	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Benzo(a)pyrene	0.49	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Benzo(b)fluoranthene	1.0	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Benzo(b)fluoranthene	0.56	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Benzo(g,h,i)perylene	0.60	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Benzo(g,h,i)perylene	0.25	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Benzo(k)fluoranthene	0.44	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Benzo(k)fluoranthene	0.24	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Bis(2-chloroethoxy)methane	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Bis(2-chloroethyl)ether	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Bis(2-chloroisopropyl)ether	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
4-Bromophenylphenylether	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Butylbenzylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
4-Chloroaniline	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
4-Chloroaniline	ND	0.75	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2-Chloronaphthalene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2-Chlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Chrysene	1.2	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Chrysene	0.60	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Dibenz(a,h)anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Dibenzofuran	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 3 | Sampled: 5/18/2010 13:55

Sample ID: 10E0395-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-butylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
1,2-Dichlorobenzene	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
1,2-Dichlorobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
1,3-Dichlorobenzene	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
1,3-Dichlorobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
1,4-Dichlorobenzene	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
1,4-Dichlorobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
3,3-Dichlorobenzidine	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2,4-Dichlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Diethylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2,4-Dimethylphenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Dimethylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1	V-18, V-19	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2,4-Dinitrophenol	ND	1.5	mg/Kg dry	1	V-19	SW-846 8270C	5/19/10	5/22/10 15:07	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2,4-Dinitrotoluene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2,6-Dinitrotoluene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Di-n-octylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Fluoranthene	1.8	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Fluoranthene	0.90	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Fluorene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Hexachlorobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Hexachlorobutadiene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Hexachloroethane	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Indeno(1,2,3-cd)pyrene	0.71	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Indeno(1,2,3-cd)pyrene	0.29	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Isophorone	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Isophorone	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2-Methylnaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL

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Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 3 | Sampled: 5/18/2010 13:55

Sample ID: 10E0395-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2-Methylphenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
3/4-Methylphenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Naphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Naphthalene	ND	0.19	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Nitrobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
4-Nitrophenol	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
4-Nitrophenol	ND	0.75	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Pentachlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Phenanthrene	1.9	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Phenanthrene	0.64	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Phenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Phenol	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
Pyrene	2.3	0.38	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
Pyrene	0.79	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 11:50	BGL
1,2,4-Trichlorobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2,4,5-Trichlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 11:50	BGL
2,4,6-Trichlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:07	BGL

Surrogates	% Recovery		Recovery Limits	Flag	
2-Fluorophenol	**5.37**	*	30-130		5/25/10 11:50
2-Fluorophenol	**1.37**	*	30-130	S-05	5/22/10 15:07
Phenol-d6	**13.7**	*	30-130	S-05	5/22/10 15:07
Phenol-d6	31.6		30-130		5/25/10 11:50
Nitrobenzene-d5	68.0		30-130		5/22/10 15:07
Nitrobenzene-d5	48.4		30-130		5/25/10 11:50
2-Fluorobiphenyl	58.7		30-130		5/25/10 11:50
2-Fluorobiphenyl	75.2		30-130		5/22/10 15:07
2,4,6-Tribromophenol	**6.46**	*	30-130		5/25/10 11:50
2,4,6-Tribromophenol		*	30-130	S-05	5/22/10 15:07
Terphenyl-d14	75.3		30-130		5/22/10 15:07
Terphenyl-d14	47.1		30-130		5/25/10 11:50

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 3
Sampled: 5/18/2010 13:55

Sample ID: 10E0395-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:58	JB
Aroclor-1221 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:58	JB
Aroclor-1232 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:58	JB
Aroclor-1242 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:58	JB
Aroclor-1248 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:58	JB
Aroclor-1254 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:58	JB
Aroclor-1260 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:58	JB
Aroclor-1262 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:58	JB
Aroclor-1268 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 17:58	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	69.7	30-150		5/20/10 17:58
Decachlorobiphenyl [2]	68.7	30-150		5/20/10 17:58
Tetrachloro-m-xylene [1]	81.6	30-150		5/20/10 17:58
Tetrachloro-m-xylene [2]	79.9	30-150		5/20/10 17:58

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 3
Sampled: 5/18/2010 13:55

Sample ID: 10E0395-03

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH as Diesel	250	93	mg/Kg dry	5		SW-846 8100 Modified	5/19/10	5/21/10 20:55	CJM

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 3
Sampled: 5/18/2010 13:55

Sample ID: 10E0395-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	15	2.8	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:58	OP
Barium	340	2.8	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:58	OP
Cadmium	1.5	0.28	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:58	OP
Chromium	25	0.55	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:58	OP
Lead	700	0.83	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:58	OP
Mercury	0.17	0.021	mg/Kg dry	1		SW-846 7471A	5/20/10	5/21/10 11:44	MPF
Selenium	ND	28	mg/Kg dry	5	DL-04	SW-846 6010B	5/20/10	5/24/10 12:16	KSH
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 15:58	OP

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 3
Sampled: 5/18/2010 13:55

Sample ID: 10E0395-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Specific conductance	520	2.0	µmhos/cm	1		SM18-20 2510B	5/19/10	5/19/10 14:30	SBP
% Solids	88.4		% Wt	1		SM 2540G	5/19/10	5/20/10 9:07	NH

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 3
Sampled: 5/18/2010 13:55

Sample ID: 10E0395-03

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	0.16	0.010	mg/L	1		SW-846 6010B	5/21/10	5/21/10 17:19	OP

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Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 4 | Sampled: 5/18/2010 14:00

Sample ID: 10E0395-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1.6	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.016	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Benzene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Bromobenzene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Bromochloromethane	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Bromodichloromethane	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Bromoform	ND	0.65	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Bromomethane	ND	0.32	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
2-Butanone (MEK)	ND	0.65	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
n-Butylbenzene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
sec-Butylbenzene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
tert-Butylbenzene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.016	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Carbon Disulfide	ND	0.32	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Carbon Tetrachloride	ND	0.13	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Chlorobenzene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Chlorodibromomethane	ND	0.065	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Chloroethane	ND	0.065	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Chloroform	ND	0.065	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Chloromethane	ND	0.065	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
2-Chlorotoluene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
4-Chlorotoluene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.32	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,2-Dibromoethane (EDB)	ND	0.016	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Dibromomethane	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,2-Dichlorobenzene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,3-Dichlorobenzene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,4-Dichlorobenzene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.065	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,1-Dichloroethane	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,2-Dichloroethane	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,1-Dichloroethylene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
cis-1,2-Dichloroethylene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
trans-1,2-Dichloroethylene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,2-Dichloropropane	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,3-Dichloropropane	ND	0.016	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
2,2-Dichloropropane	ND	0.032	mg/Kg dry	1	V-05	SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,1-Dichloropropene	ND	0.065	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
cis-1,3-Dichloropropene	ND	0.016	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
trans-1,3-Dichloropropene	ND	0.016	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Diethyl Ether	ND	0.065	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Diisopropyl Ether (DIPE)	ND	0.016	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,4-Dioxane	ND	1.6	mg/Kg dry	1	V-05, V-16	SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Ethylbenzene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 4
Sampled: 5/18/2010 14:00

Sample ID: 10E0395-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
2-Hexanone (MBK)	ND	0.32	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Isopropylbenzene (Cumene)	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Methylene Chloride	ND	0.16	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
4-Methyl-2-pentanone (MIBK)	ND	0.32	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Naphthalene	ND	0.065	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
n-Propylbenzene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Styrene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,1,1,2-Tetrachloroethane	ND	0.065	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,1,2,2-Tetrachloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Tetrachloroethylene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Tetrahydrofuran	ND	0.32	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Toluene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,2,3-Trichlorobenzene	ND	0.16	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,2,4-Trichlorobenzene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,1,1-Trichloroethane	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,1,2-Trichloroethane	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Trichloroethylene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Trichlorofluoromethane (Freon 11)	ND	0.065	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,2,3-Trichloropropane	ND	0.065	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,2,4-Trimethylbenzene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
1,3,5-Trimethylbenzene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
Vinyl Chloride	ND	0.065	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
m+p Xylene	ND	0.065	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD
o-Xylene	ND	0.032	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 0:34	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	115	70-130		5/20/10 0:34
Toluene-d8	112	70-130		5/20/10 0:34
4-Bromofluorobenzene	96.5	70-130		5/20/10 0:34

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 4 | Sampled: 5/18/2010 14:00

Sample ID: 10E0395-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Acenaphthene	ND	0.19	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Acenaphthylene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Acetophenone	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Acetophenone	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Aniline	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Aniline	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Anthracene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Benzo(a)anthracene	0.44	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Benzo(a)anthracene	0.93	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Benzo(a)pyrene	0.43	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Benzo(a)pyrene	0.84	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Benzo(b)fluoranthene	0.52	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Benzo(b)fluoranthene	0.90	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Benzo(g,h,i)perylene	0.56	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Benzo(k)fluoranthene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Bis(2-chloroethoxy)methane	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Bis(2-chloroethoxy)methane	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Bis(2-chloroethyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Bis(2-chloroethyl)ether	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Bis(2-chloroisopropyl)ether	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Bis(2-chloroisopropyl)ether	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
4-Bromophenylphenylether	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
4-Bromophenylphenylether	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Butylbenzylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
4-Chloroaniline	ND	0.75	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
4-Chloroaniline	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2-Chloronaphthalene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2-Chloronaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
2-Chlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2-Chlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Chrysene	0.52	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Chrysene	1.1	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Dibenz(a,h)anthracene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Dibenzofuran	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Dibenzofuran	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 4 | Sampled: 5/18/2010 14:00

Sample ID: 10E0395-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-butylphthalate	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Di-n-butylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
1,2-Dichlorobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
1,2-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
1,3-Dichlorobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
1,3-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
1,4-Dichlorobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
1,4-Dichlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
3,3-Dichlorobenzidine	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
2,4-Dichlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2,4-Dichlorophenol	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Diethylphthalate	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Diethylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2,4-Dimethylphenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2,4-Dimethylphenol	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Dimethylphthalate	ND	0.75	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2,4-Dinitrophenol	ND	1.5	mg/Kg dry	1	V-19	SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2,4-Dinitrophenol	ND	0.75	mg/Kg dry	1	V-18, V-19	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
2,4-Dinitrotoluene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2,4-Dinitrotoluene	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
2,6-Dinitrotoluene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2,6-Dinitrotoluene	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Di-n-octylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Fluoranthene	0.65	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Fluoranthene	1.4	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Fluorene	ND	0.19	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Fluorene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Hexachlorobenzene	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Hexachlorobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Hexachlorobutadiene	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Hexachlorobutadiene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Hexachloroethane	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Hexachloroethane	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Indeno(1,2,3-cd)pyrene	0.63	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Isophorone	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Isophorone	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2-Methylnaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 4 | Sampled: 5/18/2010 14:00

Sample ID: 10E0395-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
3/4-Methylphenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
3/4-Methylphenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Naphthalene	ND	0.19	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Naphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Nitrobenzene	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Nitrobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2-Nitrophenol	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
4-Nitrophenol	ND	0.75	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
4-Nitrophenol	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Pentachlorophenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Pentachlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Phenanthrene	0.55	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Phenanthrene	1.2	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Phenol	ND	0.38	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Phenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
Pyrene	0.59	0.19	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:20	BGL
Pyrene	1.8	0.39	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
1,2,4-Trichlorobenzene	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
1,2,4-Trichlorobenzene	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
2,4,5-Trichlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2,4,5-Trichlorophenol	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL
2,4,6-Trichlorophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 15:35	BGL
2,4,6-Trichlorophenol	ND	0.38	mg/Kg dry	1	V-18	SW-846 8270C	5/24/10	5/25/10 12:20	BGL

Surrogates	% Recovery		Recovery Limits	Flag	
2-Fluorophenol	**0.780**	*	30-130	S-05	5/22/10 15:35
2-Fluorophenol	**3.40**	*	30-130	S-05	5/25/10 12:20
Phenol-d6	**26.8**	*	30-130	S-05	5/25/10 12:20
Phenol-d6	**10.2**	*	30-130	S-05	5/22/10 15:35
Nitrobenzene-d5	41.4		30-130		5/25/10 12:20
Nitrobenzene-d5	65.4		30-130		5/22/10 15:35
2-Fluorobiphenyl	70.2		30-130		5/22/10 15:35
2-Fluorobiphenyl	55.4		30-130		5/25/10 12:20
2,4,6-Tribromophenol		*	30-130	S-05	5/22/10 15:35
2,4,6-Tribromophenol	**5.32**	*	30-130	S-05	5/25/10 12:20
Terphenyl-d14	38.9		30-130		5/25/10 12:20
Terphenyl-d14	71.6		30-130		5/22/10 15:35

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 4
Sampled: 5/18/2010 14:00

Sample ID: 10E0395-04

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:13	JB
Aroclor-1221 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:13	JB
Aroclor-1232 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:13	JB
Aroclor-1242 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:13	JB
Aroclor-1248 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:13	JB
Aroclor-1254 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:13	JB
Aroclor-1260 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:13	JB
Aroclor-1262 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:13	JB
Aroclor-1268 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:13	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	62.6	30-150		5/20/10 18:13
Decachlorobiphenyl [2]	60.9	30-150		5/20/10 18:13
Tetrachloro-m-xylene [1]	70.9	30-150		5/20/10 18:13
Tetrachloro-m-xylene [2]	71.4	30-150		5/20/10 18:13

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 4
Sampled: 5/18/2010 14:00

Sample ID: 10E0395-04

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH as Diesel	150	95	mg/Kg dry	5		SW-846 8100 Modified	5/19/10	5/21/10 19:41	CJM

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 4
Sampled: 5/18/2010 14:00

Sample ID: 10E0395-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010B	5/20/10	5/20/10 13:58	KSH
Barium	350	2.8	mg/Kg dry	1		SW-846 6010B	5/20/10	5/20/10 13:57	KSH
Cadmium	1.2	0.28	mg/Kg dry	1		SW-846 6010B	5/20/10	5/20/10 13:58	KSH
Chromium	24	0.55	mg/Kg dry	1		SW-846 6010B	5/20/10	5/20/10 13:58	KSH
Lead	540	0.83	mg/Kg dry	1		SW-846 6010B	5/20/10	5/20/10 13:57	KSH
Mercury	0.025	0.022	mg/Kg dry	1		SW-846 7471A	5/20/10	5/20/10 12:22	MPF
Selenium	ND	55	mg/Kg dry	10	DL-04, Z-01	SW-846 6010B	5/20/10	5/21/10 10:16	OP
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010B	5/20/10	5/20/10 13:57	KSH

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 4
Sampled: 5/18/2010 14:00

Sample ID: 10E0395-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Specific conductance	720	2.0	µmhos/cm	1		SM18-20 2510B	5/19/10	5/19/10 14:30	SBP
% Solids	88.1		% Wt	1		SM 2540G	5/19/10	5/20/10 9:07	NH

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 4
Sampled: 5/18/2010 14:00

Sample ID: 10E0395-04

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	0.55	0.010	mg/L	1		SW-846 6010B	5/21/10	5/21/10 17:25	OP

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Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 5 | Sampled: 5/18/2010 14:05

Sample ID: 10E0395-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1.9	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.019	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Benzene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Bromobenzene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Bromochloromethane	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Bromodichloromethane	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Bromoform	ND	0.76	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Bromomethane	ND	0.38	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
2-Butanone (MEK)	ND	0.76	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
n-Butylbenzene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
sec-Butylbenzene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
tert-Butylbenzene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.019	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Carbon Disulfide	ND	0.38	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Carbon Tetrachloride	ND	0.15	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Chlorobenzene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Chlorodibromomethane	ND	0.076	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Chloroethane	ND	0.076	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Chloroform	ND	0.076	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Chloromethane	ND	0.076	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
2-Chlorotoluene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
4-Chlorotoluene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.38	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,2-Dibromoethane (EDB)	ND	0.019	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Dibromomethane	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,2-Dichlorobenzene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,3-Dichlorobenzene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,4-Dichlorobenzene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Dichlorodifluoromethane (Freon 12)	ND	0.076	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,1-Dichloroethane	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,2-Dichloroethane	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,1-Dichloroethylene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
cis-1,2-Dichloroethylene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
trans-1,2-Dichloroethylene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,2-Dichloropropane	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,3-Dichloropropane	ND	0.019	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
2,2-Dichloropropane	ND	0.038	mg/Kg dry	1	V-05	SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,1-Dichloropropene	ND	0.076	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
cis-1,3-Dichloropropene	ND	0.019	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
trans-1,3-Dichloropropene	ND	0.019	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Diethyl Ether	ND	0.076	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Diisopropyl Ether (DIPE)	ND	0.019	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,4-Dioxane	ND	1.9	mg/Kg dry	1	V-05, V-16	SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Ethylbenzene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 5
Sampled: 5/18/2010 14:05

Sample ID: 10E0395-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
2-Hexanone (MBK)	ND	0.38	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Isopropylbenzene (Cumene)	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
p-Isopropyltoluene (p-Cymene)	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Methyl tert-Butyl Ether (MTBE)	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Methylene Chloride	ND	0.19	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
4-Methyl-2-pentanone (MIBK)	ND	0.38	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Naphthalene	ND	0.076	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
n-Propylbenzene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Styrene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,1,1,2-Tetrachloroethane	ND	0.076	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,1,2,2-Tetrachloroethane	ND	0.019	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Tetrachloroethylene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Tetrahydrofuran	ND	0.38	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Toluene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,2,3-Trichlorobenzene	ND	0.19	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,2,4-Trichlorobenzene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,1,1-Trichloroethane	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,1,2-Trichloroethane	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Trichloroethylene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Trichlorofluoromethane (Freon 11)	ND	0.076	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,2,3-Trichloropropane	ND	0.076	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,2,4-Trimethylbenzene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
1,3,5-Trimethylbenzene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
Vinyl Chloride	ND	0.076	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
m+p Xylene	ND	0.076	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD
o-Xylene	ND	0.038	mg/Kg dry	1		SW-846 8260B	5/19/10	5/20/10 1:04	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	109	70-130		5/20/10 1:04
Toluene-d8	108	70-130		5/20/10 1:04
4-Bromofluorobenzene	95.3	70-130		5/20/10 1:04

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Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 5 | Sampled: 5/18/2010 14:05

Sample ID: 10E0395-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Acenaphthylene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Acetophenone	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Acetophenone	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Aniline	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Aniline	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Anthracene	1.2	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Benzo(a)anthracene	2.5	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Benzo(a)anthracene	0.64	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Benzo(a)pyrene	2.2	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Benzo(a)pyrene	0.59	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Benzo(b)fluoranthene	2.3	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Benzo(b)fluoranthene	0.71	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Benzo(g,h,i)perylene	1.0	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Benzo(g,h,i)perylene	0.23	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Benzo(k)fluoranthene	1.1	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Benzo(k)fluoranthene	0.30	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Bis(2-chloroethoxy)methane	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Bis(2-chloroethoxy)methane	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Bis(2-chloroethyl)ether	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Bis(2-chloroethyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Bis(2-chloroisopropyl)ether	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Bis(2-chloroisopropyl)ether	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
4-Bromophenylphenylether	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
4-Bromophenylphenylether	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Butylbenzylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Butylbenzylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
4-Chloroaniline	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
4-Chloroaniline	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
2-Chloronaphthalene	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
2-Chloronaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
2-Chlorophenol	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
2-Chlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Chrysene	2.4	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Chrysene	0.70	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Dibenz(a,h)anthracene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Dibenzofuran	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Dibenzofuran	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL

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Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 5 | Sampled: 5/18/2010 14:05

Sample ID: 10E0395-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-butylphthalate	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Di-n-butylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
1,2-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
1,2-Dichlorobenzene	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
1,3-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
1,3-Dichlorobenzene	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
1,4-Dichlorobenzene	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
1,4-Dichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
3,3-Dichlorobenzidine	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
3,3-Dichlorobenzidine	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
2,4-Dichlorophenol	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
2,4-Dichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Diethylphthalate	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Diethylphthalate	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
2,4-Dimethylphenol	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
2,4-Dimethylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Dimethylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Dimethylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
2,4-Dinitrophenol	ND	1.5	mg/Kg dry	1	V-19	SW-846 8270C	5/19/10	5/22/10 17:30	BGL
2,4-Dinitrophenol	ND	0.77	mg/Kg dry	1	V-19	SW-846 8270C	5/24/10	5/25/10 12:49	BGL
2,4-Dinitrotoluene	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
2,4-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
2,6-Dinitrotoluene	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
2,6-Dinitrotoluene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Di-n-octylphthalate	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Di-n-octylphthalate	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Fluoranthene	3.7	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Fluoranthene	1.1	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Fluorene	0.43	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Hexachlorobenzene	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Hexachlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Hexachlorobutadiene	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Hexachlorobutadiene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Hexachloroethane	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Hexachloroethane	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Indeno(1,2,3-cd)pyrene	1.3	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Indeno(1,2,3-cd)pyrene	0.29	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Isophorone	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Isophorone	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
2-Methylnaphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 5 | Sampled: 5/18/2010 14:05

Sample ID: 10E0395-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
2-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
3/4-Methylphenol	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
3/4-Methylphenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Naphthalene	ND	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Nitrobenzene	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Nitrobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
2-Nitrophenol	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
2-Nitrophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
4-Nitrophenol	ND	1.5	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
4-Nitrophenol	ND	0.77	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Pentachlorophenol	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Pentachlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Phenanthrene	4.5	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Phenanthrene	0.93	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Phenol	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Phenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
Pyrene	3.6	0.40	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
Pyrene	0.96	0.20	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
1,2,4-Trichlorobenzene	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
1,2,4-Trichlorobenzene	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
2,4,5-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL
2,4,5-Trichlorophenol	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
2,4,6-Trichlorophenol	ND	0.79	mg/Kg dry	1		SW-846 8270C	5/19/10	5/22/10 17:30	BGL
2,4,6-Trichlorophenol	ND	0.39	mg/Kg dry	1		SW-846 8270C	5/24/10	5/25/10 12:49	BGL

Surrogates	% Recovery		Recovery Limits	Flag	
2-Fluorophenol	**1.45**	*	30-130	S-05	5/22/10 17:30
2-Fluorophenol	**4.21**	*	30-130	S-05	5/25/10 12:49
Phenol-d6	**12.2**	*	30-130	S-05	5/22/10 17:30
Phenol-d6	**29.4**	*	30-130	S-05	5/25/10 12:49
Nitrobenzene-d5	60.6		30-130		5/22/10 17:30
Nitrobenzene-d5	42.5		30-130		5/25/10 12:49
2-Fluorobiphenyl	66.9		30-130		5/22/10 17:30
2-Fluorobiphenyl	57.0		30-130		5/25/10 12:49
2,4,6-Tribromophenol		*	30-130	S-05	5/22/10 17:30
2,4,6-Tribromophenol	**5.61**	*	30-130	S-05	5/25/10 12:49
Terphenyl-d14	59.5		30-130		5/22/10 17:30
Terphenyl-d14	48.6		30-130		5/25/10 12:49

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 5
Sampled: 5/18/2010 14:05

Sample ID: 10E0395-05

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.023	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:28	JB
Aroclor-1221 [1]	ND	0.023	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:28	JB
Aroclor-1232 [1]	ND	0.023	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:28	JB
Aroclor-1242 [1]	ND	0.023	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:28	JB
Aroclor-1248 [1]	ND	0.023	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:28	JB
Aroclor-1254 [1]	ND	0.023	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:28	JB
Aroclor-1260 [1]	ND	0.023	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:28	JB
Aroclor-1262 [1]	ND	0.023	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:28	JB
Aroclor-1268 [1]	ND	0.023	mg/Kg dry	1		SW-846 8082	5/19/10	5/20/10 18:28	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	58.6	30-150		5/20/10 18:28
Decachlorobiphenyl [2]	59.7	30-150		5/20/10 18:28
Tetrachloro-m-xylene [1]	63.5	30-150		5/20/10 18:28
Tetrachloro-m-xylene [2]	68.2	30-150		5/20/10 18:28

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 5
Sampled: 5/18/2010 14:05

Sample ID: 10E0395-05

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH as Diesel	140	97	mg/Kg dry	5		SW-846 8100 Modified	5/19/10	5/21/10 20:55	CJM

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 5
Sampled: 5/18/2010 14:05

Sample ID: 10E0395-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	15	2.9	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 16:02	OP
Barium	400	2.9	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 16:02	OP
Cadmium	1.6	0.29	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 16:02	OP
Chromium	26	0.59	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 16:02	OP
Lead	670	0.88	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 16:02	OP
Mercury	0.18	0.027	mg/Kg dry	1		SW-846 7471A	5/20/10	5/21/10 11:46	MPF
Selenium	ND	29	mg/Kg dry	5	DL-04	SW-846 6010B	5/20/10	5/24/10 12:21	KSH
Silver	ND	0.59	mg/Kg dry	1		SW-846 6010B	5/20/10	5/21/10 16:02	OP

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 5
Sampled: 5/18/2010 14:05

Sample ID: 10E0395-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Specific conductance	560	2.0	µmhos/cm	1		SM18-20 2510B	5/19/10	5/19/10 14:30	SBP
% Solids	85.9		% Wt	1		SM 2540G	5/19/10	5/20/10 9:07	NH

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Project Location: New Bedford, MA
Sample Description:
Work Order: 10E0395

Date Received: 5/18/2010

Field Sample #: Characterization 5
Sampled: 5/18/2010 14:05

Sample ID: 10E0395-05

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	0.65	0.010	mg/L	1		SW-846 6010B	5/21/10	5/21/10 17:30	OP

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10E0395-01 [Characterization 1]	B013773	05/19/10
10E0395-02 [Characterization 2]	B013773	05/19/10
10E0395-03 [Characterization 3]	B013773	05/19/10
10E0395-04 [Characterization 4]	B013773	05/19/10
10E0395-05 [Characterization 5]	B013773	05/19/10

SM18-20 2510B

Lab Number [Field ID]	Batch	Initial [g]	Date
10E0395-01 [Characterization 1]	B013814	1.00	05/19/10
10E0395-02 [Characterization 2]	B013814	1.00	05/19/10
10E0395-03 [Characterization 3]	B013814	1.00	05/19/10
10E0395-04 [Characterization 4]	B013814	1.00	05/19/10
10E0395-05 [Characterization 5]	B013814	1.00	05/19/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0395-04 [Characterization 4]	B013837	1.03	50.0	05/20/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0395-01 [Characterization 1]	B013839	1.02	50.0	05/20/10
10E0395-02 [Characterization 2]	B013839	0.971	50.0	05/20/10
10E0395-03 [Characterization 3]	B013839	1.02	50.0	05/20/10
10E0395-05 [Characterization 5]	B013839	0.988	50.0	05/20/10

Prep Method: SW-846 3010A-SW-846 6010B **Leachates were extracted on 5/20/2010 per SW-846 1311 in Batch B013887**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10E0395-01 [Characterization 1]	B013890	50.0	50.0	05/21/10
10E0395-02 [Characterization 2]	B013890	50.0	50.0	05/21/10
10E0395-03 [Characterization 3]	B013890	50.0	50.0	05/21/10
10E0395-04 [Characterization 4]	B013890	50.0	50.0	05/21/10
10E0395-05 [Characterization 5]	B013890	50.0	50.0	05/21/10

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0395-04 [Characterization 4]	B013838	0.127	25.0	05/20/10

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0395-01 [Characterization 1]	B013851	0.131	25.0	05/20/10
10E0395-02 [Characterization 2]	B013851	0.101	25.0	05/20/10

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Sample Extraction Data

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0395-03 [Characterization 3]	B013851	0.137	25.0	05/20/10
10E0395-05 [Characterization 5]	B013851	0.110	25.0	05/20/10

Prep Method: SW-846 3546-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0395-01 [Characterization 1]	B013792	10.1	50.0	05/19/10
10E0395-02 [Characterization 2]	B013792	10.0	50.0	05/19/10
10E0395-03 [Characterization 3]	B013792	10.1	50.0	05/19/10
10E0395-04 [Characterization 4]	B013792	10.1	50.0	05/19/10
10E0395-05 [Characterization 5]	B013792	10.0	50.0	05/19/10

Prep Method: SW-846 3546-SW-846 8100 Modified

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0395-01 [Characterization 1]	B013787	30.0	2.00	05/19/10
10E0395-02 [Characterization 2]	B013787	30.0	2.00	05/19/10
10E0395-03 [Characterization 3]	B013787	30.3	2.00	05/19/10
10E0395-04 [Characterization 4]	B013787	30.0	2.00	05/19/10
10E0395-05 [Characterization 5]	B013787	30.0	2.00	05/19/10

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
10E0395-02 [Characterization 2]	B013812	28.6	18.0	0.5	100	05/19/10
10E0395-03 [Characterization 3]	B013812	26.0	18.3	0.5	100	05/19/10
10E0395-04 [Characterization 4]	B013812	33.8	19.3	0.5	100	05/19/10
10E0395-05 [Characterization 5]	B013812	29.9	19.5	0.5	100	05/19/10

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
10E0395-01 [Characterization 1]	B013844	30.1	18.6	0.5	100	05/19/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0395-01 [Characterization 1]	B013793	30.1	2.00	05/19/10
10E0395-02 [Characterization 2]	B013793	30.0	2.00	05/19/10
10E0395-03 [Characterization 3]	B013793	30.0	2.00	05/19/10
10E0395-04 [Characterization 4]	B013793	30.0	2.00	05/19/10
10E0395-05 [Characterization 5]	B013793	30.0	2.00	05/19/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0395-01RE1 [Characterization 1]	B013994	30.1	1.00	05/24/10
10E0395-02RE1 [Characterization 2]	B013994	30.2	1.00	05/24/10

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Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0395-03RE1 [Characterization 3]	B013994	30.0	1.00	05/24/10
10E0395-04RE1 [Characterization 4]	B013994	30.1	1.00	05/24/10
10E0395-05RE1 [Characterization 5]	B013994	30.1	1.00	05/24/10

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013812 - SW-846 5035										
Blank (B013812-BLK1)				Prepared & Analyzed: 05/19/10						
Acetone	ND	2.5	mg/Kg wet							
tert-Amyl Methyl Ether (TAME)	ND	0.025	mg/Kg wet							
Benzene	ND	0.051	mg/Kg wet							
Bromobenzene	ND	0.051	mg/Kg wet							
Bromochloromethane	ND	0.051	mg/Kg wet							
Bromodichloromethane	ND	0.051	mg/Kg wet							
Bromoform	ND	1.0	mg/Kg wet							
Bromomethane	ND	0.51	mg/Kg wet							
2-Butanone (MEK)	ND	1.0	mg/Kg wet							
n-Butylbenzene	ND	0.051	mg/Kg wet							
sec-Butylbenzene	ND	0.051	mg/Kg wet							
tert-Butylbenzene	ND	0.051	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.025	mg/Kg wet							
Carbon Disulfide	ND	0.51	mg/Kg wet							
Carbon Tetrachloride	ND	0.20	mg/Kg wet							
Chlorobenzene	ND	0.051	mg/Kg wet							
Chlorodibromomethane	ND	0.10	mg/Kg wet							
Chloroethane	ND	0.10	mg/Kg wet							
Chloroform	ND	0.10	mg/Kg wet							
Chloromethane	ND	0.10	mg/Kg wet							
2-Chlorotoluene	ND	0.051	mg/Kg wet							
4-Chlorotoluene	ND	0.051	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.51	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							
Dibromomethane	ND	0.051	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.051	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.051	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.051	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							
1,1-Dichloroethane	ND	0.051	mg/Kg wet							
1,2-Dichloroethane	ND	0.051	mg/Kg wet							
1,1-Dichloroethylene	ND	0.051	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.051	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.051	mg/Kg wet							
1,2-Dichloropropane	ND	0.051	mg/Kg wet							
1,3-Dichloropropane	ND	0.025	mg/Kg wet							
2,2-Dichloropropane	ND	0.051	mg/Kg wet							V-05
1,1-Dichloropropene	ND	0.10	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
Diethyl Ether	ND	0.10	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.025	mg/Kg wet							
1,4-Dioxane	ND	2.5	mg/Kg wet							V-05, V-16
Ethylbenzene	ND	0.051	mg/Kg wet							
Hexachlorobutadiene	ND	0.051	mg/Kg wet							
2-Hexanone (MBK)	ND	0.51	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.051	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.051	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.051	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.51	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B013812 - SW-846 5035												
Blank (B013812-BLK1)				Prepared & Analyzed: 05/19/10								
n-Propylbenzene	ND	0.051	mg/Kg wet									
Styrene	ND	0.051	mg/Kg wet									
1,1,1,2-Tetrachloroethane	ND	0.10	mg/Kg wet									
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet									
Tetrachloroethylene	ND	0.051	mg/Kg wet									
Tetrahydrofuran	ND	0.51	mg/Kg wet									
Toluene	ND	0.051	mg/Kg wet									
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet									
1,2,4-Trichlorobenzene	ND	0.051	mg/Kg wet									
1,1,1-Trichloroethane	ND	0.051	mg/Kg wet									
1,1,2-Trichloroethane	ND	0.051	mg/Kg wet									
Trichloroethylene	ND	0.051	mg/Kg wet									
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet									
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet									
1,2,4-Trimethylbenzene	ND	0.051	mg/Kg wet									
1,3,5-Trimethylbenzene	ND	0.051	mg/Kg wet									
Vinyl Chloride	ND	0.10	mg/Kg wet									
m+p Xylene	ND	0.10	mg/Kg wet									
o-Xylene	ND	0.051	mg/Kg wet									
Surrogate: 1,2-Dichloroethane-d4	*1.32*		mg/Kg wet	1.33		98.6		70-130				
Surrogate: Toluene-d8	*1.27*		mg/Kg wet	1.33		95.0		70-130				
Surrogate: 4-Bromofluorobenzene	*1.13*		mg/Kg wet	1.33		84.5		70-130				
LCS (B013812-BS1)				Prepared & Analyzed: 05/19/10								
Acetone	52.8	12	mg/Kg wet	45.3		116		70-160				†
tert-Amyl Methyl Ether (TAME)	4.61	0.12	mg/Kg wet	4.53		102		70-130				
Benzene	4.86	0.24	mg/Kg wet	4.53		107		70-130				
Bromobenzene	4.69	0.24	mg/Kg wet	4.53		104		70-130				
Bromochloromethane	4.62	0.24	mg/Kg wet	4.53		102		70-130				
Bromodichloromethane	5.51	0.24	mg/Kg wet	4.53		122		70-130				
Bromoform	4.56	4.8	mg/Kg wet	4.53		101		70-130				
Bromomethane	2.92	2.4	mg/Kg wet	4.53		64.5		40-160			V-06	†
2-Butanone (MEK)	47.4	4.8	mg/Kg wet	45.3		105		40-160				†
n-Butylbenzene	4.89	0.24	mg/Kg wet	4.53		108		70-130				
sec-Butylbenzene	4.65	0.24	mg/Kg wet	4.53		102		70-130				
tert-Butylbenzene	4.71	0.24	mg/Kg wet	4.53		104		70-130				†
tert-Butyl Ethyl Ether (TBEE)	4.35	0.12	mg/Kg wet	4.53		96.0		70-130				
Carbon Disulfide	6.18	2.4	mg/Kg wet	4.53		**136**	*	70-130			L-07	
Carbon Tetrachloride	5.59	0.96	mg/Kg wet	4.53		123		70-130				
Chlorobenzene	4.55	0.24	mg/Kg wet	4.53		100		70-130				
Chlorodibromomethane	7.28	0.48	mg/Kg wet	4.53		**161**	*	70-130			L-02, V-06	
Chloroethane	5.35	0.48	mg/Kg wet	4.53		118		70-130				
Chloroform	5.17	0.48	mg/Kg wet	4.53		114		70-130				
Chloromethane	3.82	0.48	mg/Kg wet	4.53		84.3		40-160				
2-Chlorotoluene	4.77	0.24	mg/Kg wet	4.53		105		70-130				
4-Chlorotoluene	4.94	0.24	mg/Kg wet	4.53		109		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	4.21	2.4	mg/Kg wet	4.53		92.9		70-130				
1,2-Dibromoethane (EDB)	5.01	0.12	mg/Kg wet	4.53		110		70-130				
Dibromomethane	5.12	0.24	mg/Kg wet	4.53		113		70-130				
1,2-Dichlorobenzene	4.59	0.24	mg/Kg wet	4.53		101		70-130				
1,3-Dichlorobenzene	4.60	0.24	mg/Kg wet	4.53		101		70-130				
1,4-Dichlorobenzene	4.46	0.24	mg/Kg wet	4.53		98.4		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B013812 - SW-846 5035												
LCS (B013812-BS1)				Prepared & Analyzed: 05/19/10								
Dichlorodifluoromethane (Freon 12)	7.11	0.48	mg/Kg wet	4.53		157		40-160				†
1,1-Dichloroethane	4.63	0.24	mg/Kg wet	4.53		102		70-130				
1,2-Dichloroethane	5.06	0.24	mg/Kg wet	4.53		112		70-130				
1,1-Dichloroethylene	5.45	0.24	mg/Kg wet	4.53		120		70-130				
cis-1,2-Dichloroethylene	4.60	0.24	mg/Kg wet	4.53		102		70-130				
trans-1,2-Dichloroethylene	4.85	0.24	mg/Kg wet	4.53		107		70-130				
1,2-Dichloropropane	4.46	0.24	mg/Kg wet	4.53		98.5		70-130				
1,3-Dichloropropane	4.96	0.12	mg/Kg wet	4.53		109		70-130				
2,2-Dichloropropane	3.62	0.24	mg/Kg wet	4.53		79.9		40-130			V-05	
1,1-Dichloropropene	5.08	0.48	mg/Kg wet	4.53		112		70-130				
cis-1,3-Dichloropropene	4.74	0.12	mg/Kg wet	4.53		105		70-130				
trans-1,3-Dichloropropene	5.45	0.12	mg/Kg wet	4.53		120		70-130				
Diethyl Ether	5.30	0.48	mg/Kg wet	4.53		117		70-130				
Diisopropyl Ether (DIPE)	4.86	0.12	mg/Kg wet	4.53		107		70-130				
1,4-Dioxane	31.6	12	mg/Kg wet	45.3		69.8		40-130			V-05, V-16	†
Ethylbenzene	4.92	0.24	mg/Kg wet	4.53		108		70-130				
Hexachlorobutadiene	4.74	0.24	mg/Kg wet	4.53		105		70-130				
2-Hexanone (MBK)	46.9	2.4	mg/Kg wet	45.3		103		70-160				†
Isopropylbenzene (Cumene)	5.41	0.24	mg/Kg wet	4.53		119		70-130				
p-Isopropyltoluene (p-Cymene)	4.76	0.24	mg/Kg wet	4.53		105		70-130				
Methyl tert-Butyl Ether (MTBE)	4.90	0.24	mg/Kg wet	4.53		108		70-130				
Methylene Chloride	4.52	1.2	mg/Kg wet	4.53		99.8		70-130				†
4-Methyl-2-pentanone (MIBK)	47.2	2.4	mg/Kg wet	45.3		104		70-160				†
Naphthalene	3.74	0.48	mg/Kg wet	4.53		82.5		40-130				†
n-Propylbenzene	4.81	0.24	mg/Kg wet	4.53		106		70-130				
Styrene	4.74	0.24	mg/Kg wet	4.53		105		70-130				
1,1,1,2-Tetrachloroethane	5.67	0.48	mg/Kg wet	4.53		125		70-130				
1,1,2,2-Tetrachloroethane	4.62	0.12	mg/Kg wet	4.53		102		70-130				
Tetrachloroethylene	5.18	0.24	mg/Kg wet	4.53		114		70-130				
Tetrahydrofuran	4.12	2.4	mg/Kg wet	4.53		90.9		70-130				
Toluene	5.13	0.24	mg/Kg wet	4.53		113		70-130				
1,2,3-Trichlorobenzene	4.27	1.2	mg/Kg wet	4.53		94.2		70-130				
1,2,4-Trichlorobenzene	4.54	0.24	mg/Kg wet	4.53		100		70-130				
1,1,1-Trichloroethane	5.33	0.24	mg/Kg wet	4.53		118		70-130				
1,1,2-Trichloroethane	5.08	0.24	mg/Kg wet	4.53		112		70-130				
Trichloroethylene	5.21	0.24	mg/Kg wet	4.53		115		70-130				
Trichlorofluoromethane (Freon 11)	6.67	0.48	mg/Kg wet	4.53		**147**	*	70-130			L-02	
1,2,3-Trichloropropane	4.18	0.48	mg/Kg wet	4.53		92.2		70-130				
1,2,4-Trimethylbenzene	4.79	0.24	mg/Kg wet	4.53		106		70-130				
1,3,5-Trimethylbenzene	4.74	0.24	mg/Kg wet	4.53		104		70-130				
Vinyl Chloride	4.72	0.48	mg/Kg wet	4.53		104		40-160				†
m+p Xylene	9.86	0.48	mg/Kg wet	9.07		109		70-130				
o-Xylene	4.85	0.24	mg/Kg wet	4.53		107		70-130				
Surrogate: 1,2-Dichloroethane-d4	*5.99*		mg/Kg wet	5.33		112		70-130				
Surrogate: Toluene-d8	*6.27*		mg/Kg wet	5.33		118		70-130				
Surrogate: 4-Bromofluorobenzene	*6.07*		mg/Kg wet	5.33		114		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B013812 - SW-846 5035												
LCS Dup (B013812-BSD1)				Prepared & Analyzed: 05/19/10								
Acetone	52.7	12	mg/Kg wet	45.3		116		70-160	0.159	25		†
tert-Amyl Methyl Ether (TAME)	4.98	0.12	mg/Kg wet	4.53		110		70-130	7.66	25		
Benzene	4.92	0.24	mg/Kg wet	4.53		109		70-130	1.37	25		
Bromobenzene	4.77	0.24	mg/Kg wet	4.53		105		70-130	1.62	25		
Bromochloromethane	4.74	0.24	mg/Kg wet	4.53		105		70-130	2.56	25		
Bromodichloromethane	5.61	0.24	mg/Kg wet	4.53		124		70-130	1.77	25		
Bromoform	4.87	4.8	mg/Kg wet	4.53		107		70-130	6.56	25		
Bromomethane	3.30	2.4	mg/Kg wet	4.53		72.7		40-160	12.0	25	V-06	†
2-Butanone (MEK)	51.6	4.8	mg/Kg wet	45.3		114		40-160	8.50	25		†
n-Butylbenzene	4.79	0.24	mg/Kg wet	4.53		106		70-130	2.23	25		
sec-Butylbenzene	4.61	0.24	mg/Kg wet	4.53		102		70-130	0.778	25		
tert-Butylbenzene	4.71	0.24	mg/Kg wet	4.53		104		70-130	0.0510	25		†
tert-Butyl Ethyl Ether (TBEE)	4.59	0.12	mg/Kg wet	4.53		101		70-130	5.21	25		
Carbon Disulfide	5.88	2.4	mg/Kg wet	4.53		130		70-130	4.97	25		
Carbon Tetrachloride	5.75	0.96	mg/Kg wet	4.53		127		70-130	2.84	25		
Chlorobenzene	4.62	0.24	mg/Kg wet	4.53		102		70-130	1.41	25		
Chlorodibromomethane	7.58	0.48	mg/Kg wet	4.53		**167**	*	70-130	4.07	25	L-02, V-06	
Chloroethane	5.14	0.48	mg/Kg wet	4.53		113		70-130	3.89	25		
Chloroform	5.21	0.48	mg/Kg wet	4.53		115		70-130	0.833	25		
Chloromethane	3.85	0.48	mg/Kg wet	4.53		85.0		40-160	0.876	25		
2-Chlorotoluene	4.75	0.24	mg/Kg wet	4.53		105		70-130	0.403	25		
4-Chlorotoluene	4.95	0.24	mg/Kg wet	4.53		109		70-130	0.194	25		
1,2-Dibromo-3-chloropropane (DBCP)	4.64	2.4	mg/Kg wet	4.53		102		70-130	9.65	25		
1,2-Dibromoethane (EDB)	5.22	0.12	mg/Kg wet	4.53		115		70-130	4.08	25		
Dibromomethane	5.36	0.24	mg/Kg wet	4.53		118		70-130	4.58	25		
1,2-Dichlorobenzene	4.67	0.24	mg/Kg wet	4.53		103		70-130	1.71	25		
1,3-Dichlorobenzene	4.60	0.24	mg/Kg wet	4.53		102		70-130	0.104	25		
1,4-Dichlorobenzene	4.50	0.24	mg/Kg wet	4.53		99.3		70-130	0.964	25		
Dichlorodifluoromethane (Freon 12)	7.06	0.48	mg/Kg wet	4.53		156		40-160	0.711	25		†
1,1-Dichloroethane	4.65	0.24	mg/Kg wet	4.53		103		70-130	0.413	25		
1,2-Dichloroethane	5.16	0.24	mg/Kg wet	4.53		114		70-130	1.97	25		
1,1-Dichloroethylene	5.34	0.24	mg/Kg wet	4.53		118		70-130	1.91	25		
cis-1,2-Dichloroethylene	4.60	0.24	mg/Kg wet	4.53		102		70-130	0.00	25		
trans-1,2-Dichloroethylene	4.81	0.24	mg/Kg wet	4.53		106		70-130	0.944	25		
1,2-Dichloropropane	4.48	0.24	mg/Kg wet	4.53		98.7		70-130	0.268	25		
1,3-Dichloropropane	5.13	0.12	mg/Kg wet	4.53		113		70-130	3.24	25		
2,2-Dichloropropane	3.68	0.24	mg/Kg wet	4.53		81.2		40-130	1.58	25	V-05	
1,1-Dichloropropene	5.11	0.48	mg/Kg wet	4.53		113		70-130	0.518	25		
cis-1,3-Dichloropropene	4.86	0.12	mg/Kg wet	4.53		107		70-130	2.55	25		
trans-1,3-Dichloropropene	5.70	0.12	mg/Kg wet	4.53		126		70-130	4.52	25		
Diethyl Ether	5.47	0.48	mg/Kg wet	4.53		121		70-130	3.07	25		
Diisopropyl Ether (DIPE)	5.02	0.12	mg/Kg wet	4.53		111		70-130	3.16	25		
1,4-Dioxane	39.6	12	mg/Kg wet	45.3		87.4		40-130	22.3	50	V-05, V-16	† ‡
Ethylbenzene	4.92	0.24	mg/Kg wet	4.53		109		70-130	0.195	25		
Hexachlorobutadiene	4.74	0.24	mg/Kg wet	4.53		105		70-130	0.101	25		
2-Hexanone (MBK)	52.3	2.4	mg/Kg wet	45.3		115		70-160	11.0	25		†
Isopropylbenzene (Cumene)	5.49	0.24	mg/Kg wet	4.53		121		70-130	1.59	25		
p-Isopropyltoluene (p-Cymene)	4.75	0.24	mg/Kg wet	4.53		105		70-130	0.202	25		
Methyl tert-Butyl Ether (MTBE)	5.21	0.24	mg/Kg wet	4.53		115		70-130	6.18	25		
Methylene Chloride	4.45	1.2	mg/Kg wet	4.53		98.3		70-130	1.55	25		†
4-Methyl-2-pentanone (MIBK)	52.4	2.4	mg/Kg wet	45.3		116		70-160	10.6	25		†
Naphthalene	4.14	0.48	mg/Kg wet	4.53		91.3		40-130	10.1	25		†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B013812 - SW-846 5035												
LCS Dup (B013812-BSD1)				Prepared & Analyzed: 05/19/10								
n-Propylbenzene	4.82	0.24	mg/Kg wet	4.53		106		70-130	0.299	25		
Styrene	4.83	0.24	mg/Kg wet	4.53		107		70-130	1.86	25		
1,1,1,2-Tetrachloroethane	5.84	0.48	mg/Kg wet	4.53		129		70-130	3.00	25		
1,1,2,2-Tetrachloroethane	5.04	0.12	mg/Kg wet	4.53		111		70-130	8.60	25		
Tetrachloroethylene	5.12	0.24	mg/Kg wet	4.53		113		70-130	1.07	25		
Tetrahydrofuran	4.72	2.4	mg/Kg wet	4.53		104		70-130	13.5	25		
Toluene	5.10	0.24	mg/Kg wet	4.53		112		70-130	0.657	25		
1,2,3-Trichlorobenzene	4.54	1.2	mg/Kg wet	4.53		100		70-130	6.15	25		
1,2,4-Trichlorobenzene	4.73	0.24	mg/Kg wet	4.53		104		70-130	4.25	25		
1,1,1-Trichloroethane	5.39	0.24	mg/Kg wet	4.53		119		70-130	1.03	25		
1,1,2-Trichloroethane	5.29	0.24	mg/Kg wet	4.53		117		70-130	4.03	25		
Trichloroethylene	5.26	0.24	mg/Kg wet	4.53		116		70-130	1.01	25		
Trichlorofluoromethane (Freon 11)	6.49	0.48	mg/Kg wet	4.53		**143**	*	70-130	2.66	25	L-02	
1,2,3-Trichloropropane	4.50	0.48	mg/Kg wet	4.53		99.3		70-130	7.46	25		
1,2,4-Trimethylbenzene	4.81	0.24	mg/Kg wet	4.53		106		70-130	0.300	25		
1,3,5-Trimethylbenzene	4.77	0.24	mg/Kg wet	4.53		105		70-130	0.657	25		
Vinyl Chloride	4.58	0.48	mg/Kg wet	4.53		101		40-160	2.99	25		†
m+p Xylene	9.88	0.48	mg/Kg wet	9.07		109		70-130	0.243	25		
o-Xylene	4.92	0.24	mg/Kg wet	4.53		109		70-130	1.38	25		
Surrogate: 1,2-Dichloroethane-d4	*6.14*		mg/Kg wet	5.33		115		70-130				
Surrogate: Toluene-d8	*6.22*		mg/Kg wet	5.33		117		70-130				
Surrogate: 4-Bromofluorobenzene	*6.11*		mg/Kg wet	5.33		115		70-130				
Batch B013844 - SW-846 5035												
Blank (B013844-BLK1)				Prepared & Analyzed: 05/20/10								
Acetone	ND	2.5	mg/Kg wet									
tert-Amyl Methyl Ether (TAME)	ND	0.025	mg/Kg wet									
Benzene	ND	0.051	mg/Kg wet									
Bromobenzene	ND	0.051	mg/Kg wet									
Bromochloromethane	ND	0.051	mg/Kg wet									
Bromodichloromethane	ND	0.051	mg/Kg wet									
Bromoform	ND	1.0	mg/Kg wet									
Bromomethane	ND	0.51	mg/Kg wet									
2-Butanone (MEK)	ND	1.0	mg/Kg wet									
n-Butylbenzene	ND	0.051	mg/Kg wet									
sec-Butylbenzene	ND	0.051	mg/Kg wet									
tert-Butylbenzene	ND	0.051	mg/Kg wet									
tert-Butyl Ethyl Ether (TBEE)	ND	0.025	mg/Kg wet									
Carbon Disulfide	ND	0.51	mg/Kg wet									
Carbon Tetrachloride	ND	0.20	mg/Kg wet									
Chlorobenzene	ND	0.051	mg/Kg wet									
Chlorodibromomethane	ND	0.10	mg/Kg wet									
Chloroethane	ND	0.10	mg/Kg wet									
Chloroform	ND	0.10	mg/Kg wet									
Chloromethane	ND	0.10	mg/Kg wet									
2-Chlorotoluene	ND	0.051	mg/Kg wet									
4-Chlorotoluene	ND	0.051	mg/Kg wet									
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.51	mg/Kg wet									
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet									
Dibromomethane	ND	0.051	mg/Kg wet									
1,2-Dichlorobenzene	ND	0.051	mg/Kg wet									
1,3-Dichlorobenzene	ND	0.051	mg/Kg wet									

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013844 - SW-846 5035										
Blank (B013844-BLK1)				Prepared & Analyzed: 05/20/10						
1,4-Dichlorobenzene	ND	0.051	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							
1,1-Dichloroethane	ND	0.051	mg/Kg wet							
1,2-Dichloroethane	ND	0.051	mg/Kg wet							
1,1-Dichloroethylene	ND	0.051	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.051	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.051	mg/Kg wet							
1,2-Dichloropropane	ND	0.051	mg/Kg wet							
1,3-Dichloropropane	ND	0.025	mg/Kg wet							
2,2-Dichloropropane	ND	0.051	mg/Kg wet							V-05
1,1-Dichloropropene	ND	0.10	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
Diethyl Ether	ND	0.10	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.025	mg/Kg wet							
1,4-Dioxane	ND	2.5	mg/Kg wet							V-05, V-16
Ethylbenzene	ND	0.051	mg/Kg wet							
Hexachlorobutadiene	ND	0.051	mg/Kg wet							
2-Hexanone (MBK)	ND	0.51	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.051	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.051	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.051	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.51	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							V-05
n-Propylbenzene	ND	0.051	mg/Kg wet							
Styrene	ND	0.051	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.10	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet							
Tetrachloroethylene	ND	0.051	mg/Kg wet							
Tetrahydrofuran	ND	0.51	mg/Kg wet							
Toluene	ND	0.051	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.051	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.051	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.051	mg/Kg wet							
Trichloroethylene	ND	0.051	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.051	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.051	mg/Kg wet							
Vinyl Chloride	ND	0.10	mg/Kg wet							
m+p Xylene	ND	0.10	mg/Kg wet							
o-Xylene	ND	0.051	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*1.27*		mg/Kg wet	1.33		95.1	70-130			
Surrogate: Toluene-d8	*1.20*		mg/Kg wet	1.33		89.9	70-130			
Surrogate: 4-Bromofluorobenzene	*1.06*		mg/Kg wet	1.33		79.6	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B013844 - SW-846 5035												
LCS (B013844-BS1)				Prepared & Analyzed: 05/20/10								
Acetone	56.2	12	mg/Kg wet	45.3		124		70-160				†
tert-Amyl Methyl Ether (TAME)	4.40	0.12	mg/Kg wet	4.53		97.1		70-130				
Benzene	4.58	0.24	mg/Kg wet	4.53		101		70-130				
Bromobenzene	4.38	0.24	mg/Kg wet	4.53		96.6		70-130				
Bromochloromethane	4.49	0.24	mg/Kg wet	4.53		99.0		70-130				
Bromodichloromethane	5.28	0.24	mg/Kg wet	4.53		116		70-130				
Bromoform	4.41	4.8	mg/Kg wet	4.53		97.3		70-130				
Bromomethane	2.93	2.4	mg/Kg wet	4.53		64.6		40-160			V-06	†
2-Butanone (MEK)	47.8	4.8	mg/Kg wet	45.3		105		40-160				†
n-Butylbenzene	4.59	0.24	mg/Kg wet	4.53		101		70-130				
sec-Butylbenzene	4.40	0.24	mg/Kg wet	4.53		97.0		70-130				
tert-Butylbenzene	4.42	0.24	mg/Kg wet	4.53		97.5		70-130				†
tert-Butyl Ethyl Ether (TBEE)	4.26	0.12	mg/Kg wet	4.53		93.9		70-130				
Carbon Disulfide	5.96	2.4	mg/Kg wet	4.53		**131**	*	70-130			L-07	
Carbon Tetrachloride	5.36	0.96	mg/Kg wet	4.53		118		70-130				
Chlorobenzene	4.29	0.24	mg/Kg wet	4.53		94.6		70-130				
Chlorodibromomethane	7.02	0.48	mg/Kg wet	4.53		**155**	*	70-130			L-02	
Chloroethane	5.12	0.48	mg/Kg wet	4.53		113		70-130				
Chloroform	4.93	0.48	mg/Kg wet	4.53		109		70-130				
Chloromethane	3.68	0.48	mg/Kg wet	4.53		81.2		40-160				
2-Chlorotoluene	4.44	0.24	mg/Kg wet	4.53		98.0		70-130				
4-Chlorotoluene	4.66	0.24	mg/Kg wet	4.53		103		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	3.95	2.4	mg/Kg wet	4.53		87.0		70-130				
1,2-Dibromoethane (EDB)	4.84	0.12	mg/Kg wet	4.53		107		70-130				
Dibromomethane	5.02	0.24	mg/Kg wet	4.53		111		70-130				
1,2-Dichlorobenzene	4.31	0.24	mg/Kg wet	4.53		95.1		70-130				
1,3-Dichlorobenzene	4.35	0.24	mg/Kg wet	4.53		96.0		70-130				
1,4-Dichlorobenzene	4.23	0.24	mg/Kg wet	4.53		93.3		70-130				
Dichlorodifluoromethane (Freon 12)	6.89	0.48	mg/Kg wet	4.53		152		40-160				†
1,1-Dichloroethane	4.41	0.24	mg/Kg wet	4.53		97.3		70-130				
1,2-Dichloroethane	5.02	0.24	mg/Kg wet	4.53		111		70-130				
1,1-Dichloroethylene	5.47	0.24	mg/Kg wet	4.53		121		70-130				
cis-1,2-Dichloroethylene	4.35	0.24	mg/Kg wet	4.53		96.0		70-130				
trans-1,2-Dichloroethylene	4.57	0.24	mg/Kg wet	4.53		101		70-130				
1,2-Dichloropropane	4.24	0.24	mg/Kg wet	4.53		93.6		70-130				
1,3-Dichloropropane	4.86	0.12	mg/Kg wet	4.53		107		70-130				
2,2-Dichloropropane	3.57	0.24	mg/Kg wet	4.53		78.7		40-130			V-05	
1,1-Dichloropropene	4.94	0.48	mg/Kg wet	4.53		109		70-130				
cis-1,3-Dichloropropene	4.49	0.12	mg/Kg wet	4.53		99.1		70-130				
trans-1,3-Dichloropropene	5.16	0.12	mg/Kg wet	4.53		114		70-130				
Diethyl Ether	5.21	0.48	mg/Kg wet	4.53		115		70-130				
Diisopropyl Ether (DIPE)	4.71	0.12	mg/Kg wet	4.53		104		70-130				
1,4-Dioxane	36.2	12	mg/Kg wet	45.3		79.8		40-130			V-05, V-16	†
Ethylbenzene	4.62	0.24	mg/Kg wet	4.53		102		70-130				
Hexachlorobutadiene	4.50	0.24	mg/Kg wet	4.53		99.2		70-130				
2-Hexanone (MBK)	47.3	2.4	mg/Kg wet	45.3		104		70-160				†
Isopropylbenzene (Cumene)	5.14	0.24	mg/Kg wet	4.53		113		70-130				
p-Isopropyltoluene (p-Cymene)	4.51	0.24	mg/Kg wet	4.53		99.5		70-130				
Methyl tert-Butyl Ether (MTBE)	4.70	0.24	mg/Kg wet	4.53		104		70-130				
Methylene Chloride	4.50	1.2	mg/Kg wet	4.53		99.4		70-130				†
4-Methyl-2-pentanone (MIBK)	46.9	2.4	mg/Kg wet	45.3		103		70-160				†
Naphthalene	3.57	0.48	mg/Kg wet	4.53		78.8		40-130			V-05	†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B013844 - SW-846 5035												
LCS (B013844-BS1)				Prepared & Analyzed: 05/20/10								
n-Propylbenzene	4.51	0.24	mg/Kg wet	4.53		99.4		70-130				
Styrene	4.42	0.24	mg/Kg wet	4.53		97.6		70-130				
1,1,1,2-Tetrachloroethane	5.23	0.48	mg/Kg wet	4.53		115		70-130				
1,1,2,2-Tetrachloroethane	4.45	0.12	mg/Kg wet	4.53		98.3		70-130				
Tetrachloroethylene	5.03	0.24	mg/Kg wet	4.53		111		70-130				
Tetrahydrofuran	4.07	2.4	mg/Kg wet	4.53		89.8		70-130				
Toluene	4.89	0.24	mg/Kg wet	4.53		108		70-130				
1,2,3-Trichlorobenzene	4.02	1.2	mg/Kg wet	4.53		88.7		70-130				
1,2,4-Trichlorobenzene	4.30	0.24	mg/Kg wet	4.53		94.8		70-130				
1,1,1-Trichloroethane	5.09	0.24	mg/Kg wet	4.53		112		70-130				
1,1,2-Trichloroethane	4.87	0.24	mg/Kg wet	4.53		107		70-130				
Trichloroethylene	5.01	0.24	mg/Kg wet	4.53		111		70-130				
Trichlorofluoromethane (Freon 11)	6.64	0.48	mg/Kg wet	4.53		**146**	*	70-130			L-02	
1,2,3-Trichloropropane	3.91	0.48	mg/Kg wet	4.53		86.3		70-130				
1,2,4-Trimethylbenzene	4.50	0.24	mg/Kg wet	4.53		99.2		70-130				
1,3,5-Trimethylbenzene	4.50	0.24	mg/Kg wet	4.53		99.3		70-130				
Vinyl Chloride	4.47	0.48	mg/Kg wet	4.53		98.6		40-160				†
m+p Xylene	9.39	0.48	mg/Kg wet	9.07		104		70-130				
o-Xylene	4.58	0.24	mg/Kg wet	4.53		101		70-130				
Surrogate: 1,2-Dichloroethane-d4	*6.16*		mg/Kg wet	5.33		115		70-130				
Surrogate: Toluene-d8	*6.27*		mg/Kg wet	5.33		118		70-130				
Surrogate: 4-Bromofluorobenzene	*6.02*		mg/Kg wet	5.33		113		70-130				
LCS Dup (B013844-BSD1)				Prepared & Analyzed: 05/20/10								
Acetone	57.9	12	mg/Kg wet	45.3		128		70-160	3.07	25		†
tert-Amyl Methyl Ether (TAME)	4.87	0.12	mg/Kg wet	4.53		107		70-130	9.99	25		
Benzene	4.77	0.24	mg/Kg wet	4.53		105		70-130	4.16	25		
Bromobenzene	4.70	0.24	mg/Kg wet	4.53		104		70-130	7.03	25		
Bromochloromethane	4.67	0.24	mg/Kg wet	4.53		103		70-130	3.88	25		
Bromodichloromethane	5.58	0.24	mg/Kg wet	4.53		123		70-130	5.66	25		
Bromoform	4.74	4.8	mg/Kg wet	4.53		105		70-130	7.24	25		
Bromomethane	3.30	2.4	mg/Kg wet	4.53		72.7		40-160	11.8	25	V-06	†
2-Butanone (MEK)	52.0	4.8	mg/Kg wet	45.3		115		40-160	8.57	25		†
n-Butylbenzene	4.75	0.24	mg/Kg wet	4.53		105		70-130	3.44	25		
sec-Butylbenzene	4.51	0.24	mg/Kg wet	4.53		99.6		70-130	2.58	25		
tert-Butylbenzene	4.54	0.24	mg/Kg wet	4.53		100		70-130	2.73	25		†
tert-Butyl Ethyl Ether (TBEE)	4.57	0.12	mg/Kg wet	4.53		101		70-130	7.17	25		
Carbon Disulfide	5.73	2.4	mg/Kg wet	4.53		126		70-130	3.86	25		
Carbon Tetrachloride	5.43	0.96	mg/Kg wet	4.53		120		70-130	1.33	25		
Chlorobenzene	4.49	0.24	mg/Kg wet	4.53		99.1		70-130	4.65	25		
Chlorodibromomethane	7.37	0.48	mg/Kg wet	4.53		**163**	*	70-130	4.90	25	L-02	
Chloroethane	4.94	0.48	mg/Kg wet	4.53		109		70-130	3.58	25		
Chloroform	5.09	0.48	mg/Kg wet	4.53		112		70-130	3.11	25		
Chloromethane	3.64	0.48	mg/Kg wet	4.53		80.4		40-160	1.05	25		
2-Chlorotoluene	4.66	0.24	mg/Kg wet	4.53		103		70-130	4.85	25		
4-Chlorotoluene	4.91	0.24	mg/Kg wet	4.53		108		70-130	5.12	25		
1,2-Dibromo-3-chloropropane (DBCP)	4.44	2.4	mg/Kg wet	4.53		98.0		70-130	11.8	25		
1,2-Dibromoethane (EDB)	5.22	0.12	mg/Kg wet	4.53		115		70-130	7.55	25		
Dibromomethane	5.28	0.24	mg/Kg wet	4.53		116		70-130	4.94	25		
1,2-Dichlorobenzene	4.58	0.24	mg/Kg wet	4.53		101		70-130	6.10	25		
1,3-Dichlorobenzene	4.56	0.24	mg/Kg wet	4.53		101		70-130	4.74	25		
1,4-Dichlorobenzene	4.44	0.24	mg/Kg wet	4.53		98.0		70-130	4.87	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B013844 - SW-846 5035												
LCS Dup (B013844-BSD1)				Prepared & Analyzed: 05/20/10								
Dichlorodifluoromethane (Freon 12)	6.67	0.48	mg/Kg wet	4.53		147		40-160	3.26	25		†
1,1-Dichloroethane	4.53	0.24	mg/Kg wet	4.53		100		70-130	2.74	25		
1,2-Dichloroethane	5.22	0.24	mg/Kg wet	4.53		115		70-130	3.98	25		
1,1-Dichloroethylene	5.29	0.24	mg/Kg wet	4.53		117		70-130	3.30	25		
cis-1,2-Dichloroethylene	4.55	0.24	mg/Kg wet	4.53		100		70-130	4.47	25		
trans-1,2-Dichloroethylene	4.65	0.24	mg/Kg wet	4.53		103		70-130	1.66	25		
1,2-Dichloropropane	4.46	0.24	mg/Kg wet	4.53		98.4		70-130	4.96	25		
1,3-Dichloropropane	5.02	0.12	mg/Kg wet	4.53		111		70-130	3.35	25		
2,2-Dichloropropane	3.71	0.24	mg/Kg wet	4.53		81.8		40-130	3.89	25	V-05	
1,1-Dichloropropene	4.95	0.48	mg/Kg wet	4.53		109		70-130	0.0970	25		
cis-1,3-Dichloropropene	4.72	0.12	mg/Kg wet	4.53		104		70-130	4.90	25		
trans-1,3-Dichloropropene	5.51	0.12	mg/Kg wet	4.53		122		70-130	6.70	25		
Diethyl Ether	5.36	0.48	mg/Kg wet	4.53		118		70-130	2.95	25		
Diisopropyl Ether (DIPE)	5.00	0.12	mg/Kg wet	4.53		110		70-130	5.93	25		
1,4-Dioxane	42.0	12	mg/Kg wet	45.3		92.6		40-130	14.9	50	V-05, V-16	† ‡
Ethylbenzene	4.75	0.24	mg/Kg wet	4.53		105		70-130	2.72	25		
Hexachlorobutadiene	4.76	0.24	mg/Kg wet	4.53		105		70-130	5.75	25		
2-Hexanone (MBK)	51.8	2.4	mg/Kg wet	45.3		114		70-160	9.17	25		†
Isopropylbenzene (Cumene)	5.36	0.24	mg/Kg wet	4.53		118		70-130	4.16	25		
p-Isopropyltoluene (p-Cymene)	4.66	0.24	mg/Kg wet	4.53		103		70-130	3.30	25		
Methyl tert-Butyl Ether (MTBE)	5.14	0.24	mg/Kg wet	4.53		113		70-130	8.92	25		
Methylene Chloride	4.42	1.2	mg/Kg wet	4.53		97.4		70-130	1.99	25		†
4-Methyl-2-pentanone (MIBK)	51.0	2.4	mg/Kg wet	45.3		113		70-160	8.55	25		†
Naphthalene	4.10	0.48	mg/Kg wet	4.53		90.5		40-130	13.8	25	V-05	†
n-Propylbenzene	4.70	0.24	mg/Kg wet	4.53		104		70-130	4.17	25		
Styrene	4.72	0.24	mg/Kg wet	4.53		104		70-130	6.56	25		
1,1,1,2-Tetrachloroethane	5.60	0.48	mg/Kg wet	4.53		124		70-130	6.87	25		
1,1,2,2-Tetrachloroethane	4.84	0.12	mg/Kg wet	4.53		107		70-130	8.31	25		
Tetrachloroethylene	5.05	0.24	mg/Kg wet	4.53		111		70-130	0.476	25		
Tetrahydrofuran	4.66	2.4	mg/Kg wet	4.53		103		70-130	13.6	25		
Toluene	4.96	0.24	mg/Kg wet	4.53		109		70-130	1.41	25		
1,2,3-Trichlorobenzene	4.48	1.2	mg/Kg wet	4.53		98.9		70-130	10.8	25		
1,2,4-Trichlorobenzene	4.67	0.24	mg/Kg wet	4.53		103		70-130	8.30	25		
1,1,1-Trichloroethane	5.13	0.24	mg/Kg wet	4.53		113		70-130	0.799	25		
1,1,2-Trichloroethane	5.19	0.24	mg/Kg wet	4.53		115		70-130	6.44	25		
Trichloroethylene	5.01	0.24	mg/Kg wet	4.53		111		70-130	0.0479	25		
Trichlorofluoromethane (Freon 11)	6.46	0.48	mg/Kg wet	4.53		**143**	*	70-130	2.64	25	L-02	
1,2,3-Trichloropropane	4.30	0.48	mg/Kg wet	4.53		94.9		70-130	9.52	25		
1,2,4-Trimethylbenzene	4.67	0.24	mg/Kg wet	4.53		103		70-130	3.77	25		
1,3,5-Trimethylbenzene	4.68	0.24	mg/Kg wet	4.53		103		70-130	3.77	25		
Vinyl Chloride	4.44	0.48	mg/Kg wet	4.53		97.9		40-160	0.700	25		†
m+p Xylene	9.66	0.48	mg/Kg wet	9.07		107		70-130	2.82	25		
o-Xylene	4.80	0.24	mg/Kg wet	4.53		106		70-130	4.76	25		
Surrogate: 1,2-Dichloroethane-d4	*6.18*		mg/Kg wet	5.33		116		70-130				
Surrogate: Toluene-d8	*6.18*		mg/Kg wet	5.33		116		70-130				
Surrogate: 4-Bromofluorobenzene	*6.14*		mg/Kg wet	5.33		115		70-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013793 - SW-846 3546										
Blank (B013793-BLK1)				Prepared: 05/19/10 Analyzed: 05/20/10						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.66	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.66	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-19
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.66	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B013793 - SW-846 3546											
Blank (B013793-BLK1)				Prepared: 05/19/10 Analyzed: 05/20/10							
Phenol	ND	0.34	mg/Kg wet								
Pyrene	ND	0.17	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet								
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet								
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet								
Surrogate: 2-Fluorophenol	*6.05*		mg/Kg wet	6.67		90.8	30-130				
Surrogate: Phenol-d6	*5.77*		mg/Kg wet	6.67		86.6	30-130				
Surrogate: Nitrobenzene-d5	*2.65*		mg/Kg wet	3.33		79.4	30-130				
Surrogate: 2-Fluorobiphenyl	*2.96*		mg/Kg wet	3.33		88.7	30-130				
Surrogate: 2,4,6-Tribromophenol	*4.11*		mg/Kg wet	6.67		61.6	30-130				
Surrogate: Terphenyl-d14	*3.04*		mg/Kg wet	3.33		91.2	30-130				
LCS (B013793-BS1)				Prepared: 05/19/10 Analyzed: 05/20/10							
Acenaphthene	1.03	0.17	mg/Kg wet	1.67		62.1	40-140				
Acenaphthylene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140				
Acetophenone	0.544	0.34	mg/Kg wet	0.833		65.3	40-140				
Aniline	1.20	0.34	mg/Kg wet	1.67		72.3	10-140				†
Anthracene	1.06	0.17	mg/Kg wet	1.67		63.3	40-140				
Benzo(a)anthracene	1.14	0.17	mg/Kg wet	1.67		68.1	40-140				
Benzo(a)pyrene	1.17	0.17	mg/Kg wet	1.67		70.2	40-140				
Benzo(b)fluoranthene	0.989	0.17	mg/Kg wet	1.67		59.4	40-140				
Benzo(g,h,i)perylene	1.50	0.17	mg/Kg wet	1.67		90.1	40-140				
Benzo(k)fluoranthene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140				
Bis(2-chloroethoxy)methane	1.10	0.34	mg/Kg wet	1.67		65.8	40-140				
Bis(2-chloroethyl)ether	1.05	0.34	mg/Kg wet	1.67		63.1	40-140				
Bis(2-chloroisopropyl)ether	0.992	0.34	mg/Kg wet	1.67		59.5	40-140				
Bis(2-Ethylhexyl)phthalate	1.33	0.34	mg/Kg wet	1.67		79.9	40-140				
4-Bromophenylphenylether	1.26	0.34	mg/Kg wet	1.67		75.7	40-140				
Butylbenzylphthalate	1.32	0.66	mg/Kg wet	1.67		79.2	40-140				
4-Chloroaniline	0.729	0.66	mg/Kg wet	1.67		43.7	10-140				†
2-Chloronaphthalene	0.965	0.34	mg/Kg wet	1.67		57.9	40-140				
2-Chlorophenol	1.12	0.34	mg/Kg wet	1.67		67.0	30-130				
Chrysene	1.11	0.17	mg/Kg wet	1.67		66.8	40-140				
Dibenz(a,h)anthracene	1.61	0.17	mg/Kg wet	1.67		96.8	40-140				
Dibenzofuran	1.04	0.34	mg/Kg wet	1.67		62.7	40-140				
Di-n-butylphthalate	0.980	0.34	mg/Kg wet	1.67		58.8	40-140				
1,2-Dichlorobenzene	1.10	0.34	mg/Kg wet	1.67		65.7	40-140				
1,3-Dichlorobenzene	1.08	0.34	mg/Kg wet	1.67		64.6	40-140				
1,4-Dichlorobenzene	1.10	0.34	mg/Kg wet	1.67		66.1	40-140				
3,3-Dichlorobenzidine	0.957	0.17	mg/Kg wet	1.67		57.4	20-140				†
2,4-Dichlorophenol	1.09	0.34	mg/Kg wet	1.67		65.7	30-130				
Diethylphthalate	0.964	0.34	mg/Kg wet	1.67		57.9	40-140				
2,4-Dimethylphenol	1.12	0.34	mg/Kg wet	1.67		67.2	30-130				
Dimethylphthalate	1.08	0.66	mg/Kg wet	1.67		64.7	40-140				
2,4-Dinitrophenol	0.501	0.66	mg/Kg wet	1.67		30.0	30-130			V-19	
2,4-Dinitrotoluene	0.895	0.34	mg/Kg wet	1.67		53.7	40-140				
2,6-Dinitrotoluene	1.13	0.34	mg/Kg wet	1.67		67.7	40-140				
Di-n-octylphthalate	1.11	0.66	mg/Kg wet	1.67		66.3	40-140				
1,2-Diphenylhydrazine (as Azobenzene)	1.31	0.34	mg/Kg wet	1.67		78.5	40-140				
Fluoranthene	0.850	0.17	mg/Kg wet	1.67		51.0	40-140				
Fluorene	0.979	0.17	mg/Kg wet	1.67		58.7	40-140				
Hexachlorobenzene	1.17	0.34	mg/Kg wet	1.67		70.3	40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013793 - SW-846 3546										
LCS (B013793-BS1)				Prepared: 05/19/10 Analyzed: 05/20/10						
Hexachlorobutadiene	1.14	0.34	mg/Kg wet	1.67		68.3	40-140			
Hexachloroethane	1.08	0.34	mg/Kg wet	1.67		64.8	40-140			
Indeno(1,2,3-cd)pyrene	1.53	0.17	mg/Kg wet	1.67		91.6	40-140			
Isophorone	1.17	0.34	mg/Kg wet	1.67		70.3	40-140			
2-Methylnaphthalene	1.01	0.17	mg/Kg wet	1.67		60.4	40-140			
2-Methylphenol	1.04	0.34	mg/Kg wet	1.67		62.4	30-130			
3/4-Methylphenol	1.01	0.34	mg/Kg wet	1.67		60.6	30-130			
Naphthalene	1.00	0.17	mg/Kg wet	1.67		60.3	40-140			
Nitrobenzene	1.05	0.34	mg/Kg wet	1.67		62.8	40-140			
2-Nitrophenol	1.08	0.34	mg/Kg wet	1.67		64.7	30-130			
4-Nitrophenol	0.723	0.66	mg/Kg wet	1.67		43.4	30-130			
Pentachlorophenol	0.955	0.34	mg/Kg wet	1.67		57.3	30-130			
Phenanthrene	1.06	0.17	mg/Kg wet	1.67		63.7	40-140			
Phenol	1.18	0.34	mg/Kg wet	1.67		71.1	30-130			
Pyrene	1.34	0.17	mg/Kg wet	1.67		80.4	40-140			
1,2,4-Trichlorobenzene	1.13	0.34	mg/Kg wet	1.67		68.1	40-140			
2,4,5-Trichlorophenol	1.13	0.34	mg/Kg wet	1.67		68.0	30-130			
2,4,6-Trichlorophenol	1.15	0.34	mg/Kg wet	1.67		69.2	30-130			
Surrogate: 2-Fluorophenol	*5.42*		mg/Kg wet	6.67		81.3	30-130			
Surrogate: Phenol-d6	*5.56*		mg/Kg wet	6.67		83.4	30-130			
Surrogate: Nitrobenzene-d5	*2.40*		mg/Kg wet	3.33		71.9	30-130			
Surrogate: 2-Fluorobiphenyl	*2.76*		mg/Kg wet	3.33		82.8	30-130			
Surrogate: 2,4,6-Tribromophenol	*4.94*		mg/Kg wet	6.67		74.1	30-130			
Surrogate: Terphenyl-d14	*3.56*		mg/Kg wet	3.33		107	30-130			
LCS Dup (B013793-BSD1)				Prepared: 05/19/10 Analyzed: 05/20/10						
Acenaphthene	1.13	0.17	mg/Kg wet	1.67		68.1	40-140	9.19	30	
Acenaphthylene	1.14	0.17	mg/Kg wet	1.67		68.6	40-140	9.12	30	
Acetophenone	0.549	0.34	mg/Kg wet	0.833		65.9	40-140	0.914	30	
Aniline	1.17	0.34	mg/Kg wet	1.67		70.4	10-140	2.61	50	† ‡
Anthracene	1.16	0.17	mg/Kg wet	1.67		69.7	40-140	9.62	30	
Benzo(a)anthracene	1.23	0.17	mg/Kg wet	1.67		73.6	40-140	7.76	30	
Benzo(a)pyrene	1.29	0.17	mg/Kg wet	1.67		77.1	40-140	9.37	30	
Benzo(b)fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140	11.3	30	
Benzo(g,h,i)perylene	1.35	0.17	mg/Kg wet	1.67		80.8	40-140	10.9	30	
Benzo(k)fluoranthene	1.26	0.17	mg/Kg wet	1.67		75.6	40-140	17.0	30	
Bis(2-chloroethoxy)methane	1.22	0.34	mg/Kg wet	1.67		73.0	40-140	10.3	30	
Bis(2-chloroethyl)ether	1.11	0.34	mg/Kg wet	1.67		66.3	40-140	4.97	30	
Bis(2-chloroisopropyl)ether	1.03	0.34	mg/Kg wet	1.67		62.0	40-140	4.05	30	
Bis(2-Ethylhexyl)phthalate	1.36	0.34	mg/Kg wet	1.67		81.7	40-140	2.25	30	
4-Bromophenylphenylether	1.38	0.34	mg/Kg wet	1.67		82.9	40-140	9.13	30	
Butylbenzylphthalate	1.31	0.66	mg/Kg wet	1.67		78.8	40-140	0.481	30	
4-Chloroaniline	0.857	0.66	mg/Kg wet	1.67		51.4	10-140	16.2	30	†
2-Chloronaphthalene	1.08	0.34	mg/Kg wet	1.67		64.7	40-140	11.1	30	
2-Chlorophenol	1.14	0.34	mg/Kg wet	1.67		68.7	30-130	2.48	30	
Chrysene	1.20	0.17	mg/Kg wet	1.67		72.3	40-140	7.91	30	
Dibenz(a,h)anthracene	1.42	0.17	mg/Kg wet	1.67		85.4	40-140	12.6	30	
Dibenzofuran	1.13	0.34	mg/Kg wet	1.67		67.9	40-140	7.90	30	
Di-n-butylphthalate	1.15	0.34	mg/Kg wet	1.67		68.7	40-140	15.6	30	
1,2-Dichlorobenzene	1.16	0.34	mg/Kg wet	1.67		69.8	40-140	6.05	30	
1,3-Dichlorobenzene	1.17	0.34	mg/Kg wet	1.67		70.1	40-140	8.05	30	
1,4-Dichlorobenzene	1.17	0.34	mg/Kg wet	1.67		70.2	40-140	6.05	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B013793 - SW-846 3546											
LCS Dup (B013793-BSD1)				Prepared: 05/19/10 Analyzed: 05/20/10							
3,3-Dichlorobenzidine	1.17	0.17	mg/Kg wet	1.67		70.4	20-140	20.3	50		† ‡
2,4-Dichlorophenol	1.15	0.34	mg/Kg wet	1.67		69.3	30-130	5.33	30		
Diethylphthalate	1.05	0.34	mg/Kg wet	1.67		63.3	40-140	8.92	30		
2,4-Dimethylphenol	1.18	0.34	mg/Kg wet	1.67		71.1	30-130	5.61	30		
Dimethylphthalate	1.20	0.66	mg/Kg wet	1.67		71.8	40-140	10.5	30		
2,4-Dinitrophenol	0.522	0.66	mg/Kg wet	1.67		31.3	30-130	4.11	30	V-19	
2,4-Dinitrotoluene	0.964	0.34	mg/Kg wet	1.67		57.8	40-140	7.39	30		
2,6-Dinitrotoluene	1.21	0.34	mg/Kg wet	1.67		72.7	40-140	7.18	30		
Di-n-octylphthalate	1.33	0.66	mg/Kg wet	1.67		79.7	40-140	18.3	30		
1,2-Diphenylhydrazine (as Azobenzene)	1.46	0.34	mg/Kg wet	1.67		87.9	40-140	11.3	30		
Fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140	28.4	30		
Fluorene	1.04	0.17	mg/Kg wet	1.67		62.2	40-140	5.79	30		
Hexachlorobenzene	1.28	0.34	mg/Kg wet	1.67		76.8	40-140	8.95	30		
Hexachlorobutadiene	1.27	0.34	mg/Kg wet	1.67		76.4	40-140	11.2	30		
Hexachloroethane	1.15	0.34	mg/Kg wet	1.67		68.8	40-140	6.02	30		
Indeno(1,2,3-cd)pyrene	1.42	0.17	mg/Kg wet	1.67		85.5	40-140	6.85	30		
Isophorone	1.27	0.34	mg/Kg wet	1.67		76.3	40-140	8.24	30		
2-Methylnaphthalene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140	6.06	30		
2-Methylphenol	1.07	0.34	mg/Kg wet	1.67		63.9	30-130	2.47	30		
3/4-Methylphenol	1.01	0.34	mg/Kg wet	1.67		60.4	30-130	0.463	30		
Naphthalene	1.10	0.17	mg/Kg wet	1.67		65.8	40-140	8.72	30		
Nitrobenzene	1.17	0.34	mg/Kg wet	1.67		70.0	40-140	10.9	30		
2-Nitrophenol	1.17	0.34	mg/Kg wet	1.67		70.2	30-130	8.27	30		
4-Nitrophenol	0.735	0.66	mg/Kg wet	1.67		44.1	30-130	1.60	50		‡
Pentachlorophenol	0.948	0.34	mg/Kg wet	1.67		56.9	30-130	0.806	30		
Phenanthrene	1.17	0.17	mg/Kg wet	1.67		70.3	40-140	9.76	30		
Phenol	1.14	0.34	mg/Kg wet	1.67		68.6	30-130	3.49	30		
Pyrene	1.20	0.17	mg/Kg wet	1.67		72.2	40-140	10.7	30		
1,2,4-Trichlorobenzene	1.25	0.34	mg/Kg wet	1.67		75.0	40-140	9.65	30		
2,4,5-Trichlorophenol	1.19	0.34	mg/Kg wet	1.67		71.2	30-130	4.68	30		
2,4,6-Trichlorophenol	1.22	0.34	mg/Kg wet	1.67		72.9	30-130	5.21	30		
Surrogate: 2-Fluorophenol	*5.12*		mg/Kg wet	6.67		76.8	30-130				
Surrogate: Phenol-d6	*5.13*		mg/Kg wet	6.67		77.0	30-130				
Surrogate: Nitrobenzene-d5	*2.48*		mg/Kg wet	3.33		74.5	30-130				
Surrogate: 2-Fluorobiphenyl	*2.89*		mg/Kg wet	3.33		86.8	30-130				
Surrogate: 2,4,6-Tribromophenol	*4.57*		mg/Kg wet	6.67		68.6	30-130				
Surrogate: Terphenyl-d14	*2.99*		mg/Kg wet	3.33		89.7	30-130				
Batch B013994 - SW-846 3546											
Blank (B013994-BLK1)				Prepared: 05/24/10 Analyzed: 05/25/10							
Acenaphthene	ND	0.17	mg/Kg wet								
Acenaphthylene	ND	0.17	mg/Kg wet								
Acetophenone	ND	0.34	mg/Kg wet								
Aniline	ND	0.34	mg/Kg wet								
Anthracene	ND	0.17	mg/Kg wet								
Benzo(a)anthracene	ND	0.17	mg/Kg wet								
Benzo(a)pyrene	ND	0.17	mg/Kg wet								
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet								
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet								
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet								
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet								
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet								

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013994 - SW-846 3546										
Blank (B013994-BLK1)				Prepared: 05/24/10 Analyzed: 05/25/10						
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.66	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.66	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-19
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.66	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	*5.75*		mg/Kg wet	6.67		86.3	30-130			
Surrogate: Phenol-d6	*5.57*		mg/Kg wet	6.67		83.6	30-130			
Surrogate: Nitrobenzene-d5	*2.19*		mg/Kg wet	3.33		65.6	30-130			
Surrogate: 2-Fluorobiphenyl	*2.41*		mg/Kg wet	3.33		72.3	30-130			
Surrogate: 2,4,6-Tribromophenol	*4.66*		mg/Kg wet	6.67		69.9	30-130			
Surrogate: Terphenyl-d14	*1.97*		mg/Kg wet	3.33		59.2	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013994 - SW-846 3546										
LCS (B013994-BS1)				Prepared: 05/24/10 Analyzed: 05/25/10						
Acenaphthene	1.04	0.17	mg/Kg wet	1.67		62.2	40-140			
Acenaphthylene	1.04	0.17	mg/Kg wet	1.67		62.5	40-140			
Acetophenone	0.565	0.34	mg/Kg wet	0.833		67.8	40-140			
Aniline	0.743	0.34	mg/Kg wet	1.67		44.6	10-140			†
Anthracene	1.08	0.17	mg/Kg wet	1.67		64.7	40-140			
Benzo(a)anthracene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140			
Benzo(a)pyrene	1.22	0.17	mg/Kg wet	1.67		73.0	40-140			
Benzo(b)fluoranthene	0.863	0.17	mg/Kg wet	1.67		51.8	40-140			
Benzo(g,h,i)perylene	0.812	0.17	mg/Kg wet	1.67		48.7	40-140			
Benzo(k)fluoranthene	1.21	0.17	mg/Kg wet	1.67		72.8	40-140			
Bis(2-chloroethoxy)methane	1.08	0.34	mg/Kg wet	1.67		65.0	40-140			
Bis(2-chloroethyl)ether	1.09	0.34	mg/Kg wet	1.67		65.3	40-140			
Bis(2-chloroisopropyl)ether	1.02	0.34	mg/Kg wet	1.67		61.5	40-140			
Bis(2-Ethylhexyl)phthalate	1.09	0.34	mg/Kg wet	1.67		65.4	40-140			
4-Bromophenylphenylether	1.23	0.34	mg/Kg wet	1.67		73.5	40-140			
Butylbenzylphthalate	1.01	0.66	mg/Kg wet	1.67		60.4	40-140			
4-Chloroaniline	0.619	0.66	mg/Kg wet	1.67		37.1	10-140			†
2-Chloronaphthalene	0.950	0.34	mg/Kg wet	1.67		57.0	40-140			
2-Chlorophenol	1.18	0.34	mg/Kg wet	1.67		70.9	30-130			
Chrysene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140			
Dibenz(a,h)anthracene	0.968	0.17	mg/Kg wet	1.67		58.1	40-140			
Dibenzofuran	1.06	0.34	mg/Kg wet	1.67		63.6	40-140			
Di-n-butylphthalate	1.04	0.34	mg/Kg wet	1.67		62.3	40-140			
1,2-Dichlorobenzene	1.08	0.34	mg/Kg wet	1.67		64.7	40-140			
1,3-Dichlorobenzene	1.04	0.34	mg/Kg wet	1.67		62.3	40-140			
1,4-Dichlorobenzene	1.06	0.34	mg/Kg wet	1.67		63.9	40-140			
3,3-Dichlorobenzidine	0.806	0.17	mg/Kg wet	1.67		48.4	20-140			†
2,4-Dichlorophenol	1.12	0.34	mg/Kg wet	1.67		67.2	30-130			
Diethylphthalate	1.04	0.34	mg/Kg wet	1.67		62.4	40-140			
2,4-Dimethylphenol	1.12	0.34	mg/Kg wet	1.67		66.9	30-130			
Dimethylphthalate	1.13	0.66	mg/Kg wet	1.67		67.6	40-140			
2,4-Dinitrophenol	0.938	0.66	mg/Kg wet	1.67		56.3	30-130			V-19
2,4-Dinitrotoluene	0.979	0.34	mg/Kg wet	1.67		58.8	40-140			
2,6-Dinitrotoluene	1.17	0.34	mg/Kg wet	1.67		70.4	40-140			
Di-n-octylphthalate	1.04	0.66	mg/Kg wet	1.67		62.5	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	1.23	0.34	mg/Kg wet	1.67		73.9	40-140			
Fluoranthene	1.05	0.17	mg/Kg wet	1.67		63.1	40-140			
Fluorene	1.03	0.17	mg/Kg wet	1.67		61.5	40-140			
Hexachlorobenzene	1.17	0.34	mg/Kg wet	1.67		70.1	40-140			
Hexachlorobutadiene	1.08	0.34	mg/Kg wet	1.67		65.0	40-140			
Hexachloroethane	1.04	0.34	mg/Kg wet	1.67		62.7	40-140			
Indeno(1,2,3-cd)pyrene	0.965	0.17	mg/Kg wet	1.67		57.9	40-140			
Isophorone	1.14	0.34	mg/Kg wet	1.67		68.4	40-140			
2-Methylnaphthalene	1.01	0.17	mg/Kg wet	1.67		60.7	40-140			
2-Methylphenol	1.07	0.34	mg/Kg wet	1.67		64.4	30-130			
3/4-Methylphenol	1.11	0.34	mg/Kg wet	1.67		66.5	30-130			
Naphthalene	0.982	0.17	mg/Kg wet	1.67		58.9	40-140			
Nitrobenzene	1.04	0.34	mg/Kg wet	1.67		62.5	40-140			
2-Nitrophenol	1.06	0.34	mg/Kg wet	1.67		63.4	30-130			
4-Nitrophenol	0.795	0.66	mg/Kg wet	1.67		47.7	30-130			
Pentachlorophenol	0.905	0.34	mg/Kg wet	1.67		54.3	30-130			
Phenanthrene	1.08	0.17	mg/Kg wet	1.67		64.7	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B013994 - SW-846 3546											
LCS (B013994-BS1)				Prepared: 05/24/10 Analyzed: 05/25/10							
Phenol	1.17	0.34	mg/Kg wet	1.67		70.2	30-130				
Pyrene	0.912	0.17	mg/Kg wet	1.67		54.7	40-140				
1,2,4-Trichlorobenzene	1.10	0.34	mg/Kg wet	1.67		66.3	40-140				
2,4,5-Trichlorophenol	1.08	0.34	mg/Kg wet	1.67		64.8	30-130				
2,4,6-Trichlorophenol	1.14	0.34	mg/Kg wet	1.67		68.3	30-130				
Surrogate: 2-Fluorophenol	*5.28*		mg/Kg wet	6.67		79.3	30-130				
Surrogate: Phenol-d6	*5.56*		mg/Kg wet	6.67		83.4	30-130				
Surrogate: Nitrobenzene-d5	*2.10*		mg/Kg wet	3.33		62.9	30-130				
Surrogate: 2-Fluorobiphenyl	*2.44*		mg/Kg wet	3.33		73.2	30-130				
Surrogate: 2,4,6-Tribromophenol	*4.78*		mg/Kg wet	6.67		71.7	30-130				
Surrogate: Terphenyl-d14	*2.21*		mg/Kg wet	3.33		66.3	30-130				
LCS Dup (B013994-BSD1)				Prepared: 05/24/10 Analyzed: 05/25/10							
Acenaphthene	1.07	0.17	mg/Kg wet	1.67		63.9	40-140	2.66	30		
Acenaphthylene	1.10	0.17	mg/Kg wet	1.67		65.9	40-140	5.23	30		
Acetophenone	0.575	0.34	mg/Kg wet	0.833		69.0	40-140	1.70	30		
Aniline	1.12	0.34	mg/Kg wet	1.67		67.4	10-140	40.7	50		† ‡
Anthracene	1.10	0.17	mg/Kg wet	1.67		66.1	40-140	2.05	30		
Benzo(a)anthracene	1.20	0.17	mg/Kg wet	1.67		71.8	40-140	3.98	30		
Benzo(a)pyrene	1.21	0.17	mg/Kg wet	1.67		72.8	40-140	0.192	30		
Benzo(b)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.5	40-140	17.2	30		
Benzo(g,h,i)perylene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140	25.5	30		
Benzo(k)fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140	7.05	30		
Bis(2-chloroethoxy)methane	1.16	0.34	mg/Kg wet	1.67		69.6	40-140	6.84	30		
Bis(2-chloroethyl)ether	1.10	0.34	mg/Kg wet	1.67		66.0	40-140	1.07	30		
Bis(2-chloroisopropyl)ether	1.05	0.34	mg/Kg wet	1.67		63.1	40-140	2.60	30		
Bis(2-Ethylhexyl)phthalate	1.25	0.34	mg/Kg wet	1.67		74.9	40-140	13.6	30		
4-Bromophenylphenylether	1.42	0.34	mg/Kg wet	1.67		85.3	40-140	14.8	30		
Butylbenzylphthalate	1.14	0.66	mg/Kg wet	1.67		68.3	40-140	12.3	30		
4-Chloroaniline	0.480	0.66	mg/Kg wet	1.67		28.8	10-140	25.2	30		†
2-Chloronaphthalene	1.03	0.34	mg/Kg wet	1.67		62.0	40-140	8.30	30		
2-Chlorophenol	1.23	0.34	mg/Kg wet	1.67		73.6	30-130	3.74	30		
Chrysene	1.21	0.17	mg/Kg wet	1.67		72.4	40-140	1.98	30		
Dibenz(a,h)anthracene	1.22	0.17	mg/Kg wet	1.67		73.1	40-140	22.9	30		
Dibenzofuran	1.07	0.34	mg/Kg wet	1.67		64.1	40-140	0.814	30		
Di-n-butylphthalate	0.993	0.34	mg/Kg wet	1.67		59.6	40-140	4.53	30		
1,2-Dichlorobenzene	1.14	0.34	mg/Kg wet	1.67		68.2	40-140	5.27	30		
1,3-Dichlorobenzene	1.09	0.34	mg/Kg wet	1.67		65.4	40-140	4.76	30		
1,4-Dichlorobenzene	1.12	0.34	mg/Kg wet	1.67		67.2	40-140	5.13	30		
3,3-Dichlorobenzidine	0.891	0.17	mg/Kg wet	1.67		53.5	20-140	10.0	50		† ‡
2,4-Dichlorophenol	1.17	0.34	mg/Kg wet	1.67		70.0	30-130	4.08	30		
Diethylphthalate	0.949	0.34	mg/Kg wet	1.67		56.9	40-140	9.25	30		
2,4-Dimethylphenol	1.18	0.34	mg/Kg wet	1.67		70.8	30-130	5.63	30		
Dimethylphthalate	1.11	0.66	mg/Kg wet	1.67		66.9	40-140	1.16	30		
2,4-Dinitrophenol	0.897	0.66	mg/Kg wet	1.67		53.8	30-130	4.40	30	V-19	
2,4-Dinitrotoluene	0.855	0.34	mg/Kg wet	1.67		51.3	40-140	13.6	30		
2,6-Dinitrotoluene	1.12	0.34	mg/Kg wet	1.67		67.3	40-140	4.44	30		
Di-n-octylphthalate	0.941	0.66	mg/Kg wet	1.67		56.5	40-140	10.2	30		
1,2-Diphenylhydrazine (as Azobenzene)	1.41	0.34	mg/Kg wet	1.67		84.7	40-140	13.7	30		
Fluoranthene	0.889	0.17	mg/Kg wet	1.67		53.3	40-140	16.7	30		
Fluorene	0.981	0.17	mg/Kg wet	1.67		58.8	40-140	4.49	30		
Hexachlorobenzene	1.28	0.34	mg/Kg wet	1.67		76.7	40-140	8.96	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013994 - SW-846 3546										
LCS Dup (B013994-BSD1)				Prepared: 05/24/10 Analyzed: 05/25/10						
Hexachlorobutadiene	1.19	0.34	mg/Kg wet	1.67		71.7	40-140	9.78	30	
Hexachloroethane	1.10	0.34	mg/Kg wet	1.67		66.0	40-140	5.19	30	
Indeno(1,2,3-cd)pyrene	1.23	0.17	mg/Kg wet	1.67		73.8	40-140	24.2	30	
Isophorone	1.22	0.34	mg/Kg wet	1.67		73.3	40-140	6.95	30	
2-Methylnaphthalene	1.04	0.17	mg/Kg wet	1.67		62.3	40-140	2.50	30	
2-Methylphenol	1.16	0.34	mg/Kg wet	1.67		69.8	30-130	7.96	30	
3/4-Methylphenol	1.09	0.34	mg/Kg wet	1.67		65.4	30-130	1.64	30	
Naphthalene	1.04	0.17	mg/Kg wet	1.67		62.6	40-140	5.99	30	
Nitrobenzene	1.09	0.34	mg/Kg wet	1.67		65.2	40-140	4.13	30	
2-Nitrophenol	1.11	0.34	mg/Kg wet	1.67		66.8	30-130	5.16	30	
4-Nitrophenol	0.661	0.66	mg/Kg wet	1.67		39.7	30-130	18.4	50	‡
Pentachlorophenol	0.949	0.34	mg/Kg wet	1.67		56.9	30-130	4.67	30	
Phenanthrene	1.11	0.17	mg/Kg wet	1.67		66.8	40-140	3.16	30	
Phenol	1.25	0.34	mg/Kg wet	1.67		75.1	30-130	6.72	30	
Pyrene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140	14.1	30	
1,2,4-Trichlorobenzene	1.18	0.34	mg/Kg wet	1.67		70.7	40-140	6.48	30	
2,4,5-Trichlorophenol	1.14	0.34	mg/Kg wet	1.67		68.5	30-130	5.61	30	
2,4,6-Trichlorophenol	1.22	0.34	mg/Kg wet	1.67		73.3	30-130	6.98	30	
Surrogate: 2-Fluorophenol	*5.79*		mg/Kg wet	6.67		86.8	30-130			
Surrogate: Phenol-d6	*5.84*		mg/Kg wet	6.67		87.6	30-130			
Surrogate: Nitrobenzene-d5	*2.33*		mg/Kg wet	3.33		69.9	30-130			
Surrogate: 2-Fluorobiphenyl	*2.79*		mg/Kg wet	3.33		83.8	30-130			
Surrogate: 2,4,6-Tribromophenol	*4.39*		mg/Kg wet	6.67		65.9	30-130			
Surrogate: Terphenyl-d14	*2.53*		mg/Kg wet	3.33		76.0	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013792 - SW-846 3546										
Blank (B013792-BLK1)				Prepared: 05/19/10 Analyzed: 05/20/10						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.186*		mg/Kg wet	0.200		93.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.192*		mg/Kg wet	0.200		96.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.197*		mg/Kg wet	0.200		98.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.193*		mg/Kg wet	0.200		96.3	30-150			
LCS (B013792-BS1)				Prepared: 05/19/10 Analyzed: 05/20/10						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		90.8	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		81.6	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.4	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.6	40-140			
Surrogate: Decachlorobiphenyl	*0.169*		mg/Kg wet	0.200		84.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.169*		mg/Kg wet	0.200		84.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.148*		mg/Kg wet	0.200		74.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.144*		mg/Kg wet	0.200		72.0	30-150			
LCS Dup (B013792-BSD1)				Prepared: 05/19/10 Analyzed: 05/20/10						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		99.7	40-140	9.36	30	
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		97.5	40-140	17.8	30	
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		97.6	40-140	14.6	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		92.7	40-140	14.0	30	
Surrogate: Decachlorobiphenyl	*0.190*		mg/Kg wet	0.200		95.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.193*		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.197*		mg/Kg wet	0.200		98.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.199*		mg/Kg wet	0.200		99.6	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013792 - SW-846 3546										
Matrix Spike (B013792-MS1)		**Source: 10E0395-05**		Prepared: 05/19/10 Analyzed: 05/20/10						
Aroclor-1016	0.25	0.023	mg/Kg dry	0.233	ND	109	40-140			
Aroclor-1016 [2C]	0.24	0.023	mg/Kg dry	0.233	ND	103	40-140			
Aroclor-1260	0.22	0.023	mg/Kg dry	0.233	ND	95.1	40-140			
Aroclor-1260 [2C]	0.20	0.023	mg/Kg dry	0.233	ND	86.8	40-140			
Surrogate: Decachlorobiphenyl	*0.166*		mg/Kg dry	0.233		71.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.162*		mg/Kg dry	0.233		69.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.195*		mg/Kg dry	0.233		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.193*		mg/Kg dry	0.233		82.9	30-150			
Matrix Spike Dup (B013792-MSD1)		**Source: 10E0395-05**		Prepared: 05/19/10 Analyzed: 05/20/10						
Aroclor-1016	0.18	0.023	mg/Kg dry	0.233	ND	78.4	40-140	32.7	50	
Aroclor-1016 [2C]	0.19	0.023	mg/Kg dry	0.233	ND	82.4	40-140	22.1	50	
Aroclor-1260	0.15	0.023	mg/Kg dry	0.233	ND	64.7	40-140	38.0	50	
Aroclor-1260 [2C]	0.15	0.023	mg/Kg dry	0.233	ND	64.9	40-140	28.9	50	
Surrogate: Decachlorobiphenyl	*0.121*		mg/Kg dry	0.233		52.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.124*		mg/Kg dry	0.233		53.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.124*		mg/Kg dry	0.233		53.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.129*		mg/Kg dry	0.233		55.6	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013787 - SW-846 3546										
Blank (B013787-BLK1)				Prepared: 05/19/10 Analyzed: 05/21/10						
TPH as Diesel	ND	8.3	mg/Kg wet							
LCS (B013787-BS1)				Prepared: 05/19/10 Analyzed: 05/21/10						
TPH as Diesel	23.4	8.3	mg/Kg wet	33.3		70.1	40-140			
LCS Dup (B013787-BSD1)				Prepared: 05/19/10 Analyzed: 05/21/10						
TPH as Diesel	23.9	8.3	mg/Kg wet	33.3		71.8	40-140	2.34	30	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B013837 - SW-846 3050B											
Blank (B013837-BLK1)				Prepared & Analyzed: 05/20/10							
Arsenic	ND	2.5	mg/Kg wet								
Barium	ND	2.5	mg/Kg wet								
Cadmium	ND	0.25	mg/Kg wet								
Chromium	ND	0.50	mg/Kg wet								
Lead	ND	0.75	mg/Kg wet								
Selenium	ND	5.0	mg/Kg wet								
Silver	ND	0.50	mg/Kg wet								
LCS (B013837-BS1)				Prepared & Analyzed: 05/20/10							
Arsenic	150	5.1	mg/Kg wet	162		92.8		81.6-118.4			
Barium	341	5.1	mg/Kg wet	357		95.5		80.7-119.3			
Cadmium	178	0.51	mg/Kg wet	192		92.6		82.4-117.6			
Chromium	84.1	1.0	mg/Kg wet	91.9		91.5		78.8-120.7			
Lead	149	1.5	mg/Kg wet	177		84.2		79.1-120.3			
Selenium	171	10	mg/Kg wet	152		113		78.4-120.9			
Silver	59.3	1.0	mg/Kg wet	67.7		87.5		66.2-133.6			
LCS Dup (B013837-BSD1)				Prepared & Analyzed: 05/20/10							
Arsenic	153	5.2	mg/Kg wet	163		94.0		81.6-118.4	1.87	30	
Barium	341	5.2	mg/Kg wet	359		94.8		80.7-119.3	0.160	30	
Cadmium	189	0.52	mg/Kg wet	193		97.9		82.4-117.6	6.11	30	
Chromium	93.6	1.0	mg/Kg wet	92.4		101		78.8-120.7	10.7	30	
Lead	148	1.5	mg/Kg wet	178		83.3		79.1-120.3	0.514	30	
Selenium	175	10	mg/Kg wet	153		114		78.4-120.9	2.21	30	
Silver	60.3	1.0	mg/Kg wet	68.1		88.5		66.2-133.6	1.68	30	
Duplicate (B013837-DUP1)	**Source: 10E0395-04**			Prepared & Analyzed: 05/20/10							
Arsenic	ND	2.7	mg/Kg dry		ND				NC	35	
Barium	310	2.7	mg/Kg dry		349				11.9	35	
Cadmium	1.45	0.27	mg/Kg dry		1.21				18.8	35	
Chromium	23.7	0.53	mg/Kg dry		23.7				0.0190	35	
Lead	468	0.80	mg/Kg dry		544				15.0	35	
Selenium	ND	53	mg/Kg dry		ND				NC	35	DL-04
Silver	ND	0.53	mg/Kg dry		ND				NC	35	
Matrix Spike (B013837-MS1)	**Source: 10E0395-04**			Prepared & Analyzed: 05/20/10							
Arsenic	28.7	2.8	mg/Kg dry	27.9	2.24	95.0		75-125			
Barium	312	2.8	mg/Kg dry	27.9	349	**-133**	*	75-125			MS-19
Cadmium	25.6	0.28	mg/Kg dry	27.9	1.21	87.4		75-125			
Chromium	48.8	0.56	mg/Kg dry	27.9	23.7	90.0		75-125			
Lead	649	0.84	mg/Kg dry	27.9	544	**377**	*	75-125			MS-19
Selenium	ND	56	mg/Kg dry	27.9	ND		*	75-125			DL-04, Z-01
Silver	25.1	0.56	mg/Kg dry	27.9	ND	89.9		75-125			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013838 - SW-846 7471A										
Blank (B013838-BLK1)				Prepared & Analyzed: 05/20/10						
Mercury	ND	0.025	mg/Kg wet							
LCS (B013838-BS1)				Prepared & Analyzed: 05/20/10						
Mercury	1.07	0.025	mg/Kg wet	0.956		112	66-132			
LCS Dup (B013838-BSD1)				Prepared & Analyzed: 05/20/10						
Mercury	1.05	0.025	mg/Kg wet	0.968		109	66-132	1.46	30	
Duplicate (B013838-DUP1)		**Source: 10E0395-04**		Prepared & Analyzed: 05/20/10						
Mercury	0.0251	0.021	mg/Kg dry		0.0248			1.42	35	
Matrix Spike (B013838-MS1)		**Source: 10E0395-04**		Prepared & Analyzed: 05/20/10						
Mercury	0.450	0.021	mg/Kg dry	0.426	0.0248	99.8	75-125			
Batch B013839 - SW-846 3050B										
Blank (B013839-BLK1)				Prepared: 05/20/10 Analyzed: 05/21/10						
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
LCS (B013839-BS1)				Prepared: 05/20/10 Analyzed: 05/21/10						
Arsenic	178	5.1	mg/Kg wet	161		110	81.6-118.4			
Barium	378	5.1	mg/Kg wet	356		106	80.7-119.3			
Cadmium	211	0.51	mg/Kg wet	191		110	82.4-117.6			
Chromium	103	1.0	mg/Kg wet	91.5		113	78.8-120.7			
Lead	175	1.5	mg/Kg wet	176		99.4	79.1-120.3			
Selenium	164	10	mg/Kg wet	151		108	78.4-120.9			
Silver	62.6	1.0	mg/Kg wet	67.5		92.8	66.2-133.6			
LCS (B013839-BS2)				Prepared: 05/20/10 Analyzed: 05/21/10						
Lead	0.842	0.77	mg/Kg wet	0.768		110	79.1-120.3			
LCS Dup (B013839-BSD1)				Prepared: 05/20/10 Analyzed: 05/21/10						
Arsenic	185	5.1	mg/Kg wet	161		114	81.6-118.4	3.83	30	
Barium	388	5.1	mg/Kg wet	356		109	80.7-119.3	2.50	30	
Cadmium	214	0.51	mg/Kg wet	191		112	82.4-117.6	1.49	30	
Chromium	101	1.0	mg/Kg wet	91.5		110	78.8-120.7	2.21	30	
Lead	182	1.5	mg/Kg wet	176		104	79.1-120.3	4.27	30	
Selenium	172	10	mg/Kg wet	151		113	78.4-120.9	4.62	30	
Silver	61.4	1.0	mg/Kg wet	67.4		91.1	66.2-133.6	1.89	30	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013851 - SW-846 7471A										
Blank (B013851-BLK1)				Prepared: 05/20/10 Analyzed: 05/21/10						
Mercury	ND	0.025	mg/Kg wet							
LCS (B013851-BS1)				Prepared: 05/20/10 Analyzed: 05/21/10						
Mercury	0.942	0.025	mg/Kg wet	1.01		93.6	66-132			
LCS Dup (B013851-BSD1)				Prepared: 05/20/10 Analyzed: 05/21/10						
Mercury	0.828	0.025	mg/Kg wet	1.00		82.7	66-132	12.9	30	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013773 - % Solids										
Duplicate (B013773-DUP3)		**Source: 10E0395-05**		Prepared: 05/19/10 Analyzed: 05/20/10						
% Solids	87.8		% Wt		85.9			2.19	20	
Batch B013814 - SM18-20 2510B										
Blank (B013814-BLK1)				Prepared & Analyzed: 05/19/10						
Specific conductance	ND	2.0	µmhos/cm							
LCS (B013814-BS1)				Prepared & Analyzed: 05/19/10						
Specific conductance	140	2.0	µmhos/cm	147		93.5	83.2-102			

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QUALITY CONTROL

TCLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B013890 - SW-846 3010A										
Blank (B013890-BLK1)				Prepared & Analyzed: 05/21/10						
Lead	ND	0.010	mg/L							
LCS (B013890-BS1)				Prepared & Analyzed: 05/21/10						
Lead	0.489	0.010	mg/L	0.500		97.8	80-120			
LCS Dup (B013890-BSD1)				Prepared & Analyzed: 05/21/10						
Lead	0.480	0.010	mg/L	0.500		96.0	80-120	1.95	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
DL-04	Elevated reporting limit due to high concentration of an interfering analyte(s).
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
S-05	More than one surrogate standard recovery for the associated fraction is outside of control limits or any one surrogate recovery is < 10%. All reported acid fraction data is estimated.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.
V-18	Internal standard area >200% of associated calibration standard internal standard area.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.
Z-01	The matrix spike recovery is outside control limits. This is due to an interference associated with this element. Analysis is in control based on the laboratory control samples.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010B in Soil	
Arsenic	CT,NH,NY
Barium	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY
Lead	CT,NH,NY,AIHA
Selenium	CT,NH,NY,NC
Silver	CT,NH,NY,NC
SW-846 6010B in Water	
Lead	NY,CT
SW-846 7471A in Soil	
Mercury	CT,NH,NY
SW-846 8082 in Soil	
Aroclor-1016	CT,NH,NY
Aroclor-1016 [2C]	CT,NH,NY
Aroclor-1221	CT,NH,NY
Aroclor-1221 [2C]	CT,NH,NY
Aroclor-1232	CT,NH,NY
Aroclor-1232 [2C]	CT,NH,NY
Aroclor-1242	CT,NH,NY
Aroclor-1242 [2C]	CT,NH,NY
Aroclor-1248	CT,NH,NY
Aroclor-1248 [2C]	CT,NH,NY
Aroclor-1254	CT,NH,NY
Aroclor-1254 [2C]	CT,NH,NY
Aroclor-1260	CT,NH,NY
Aroclor-1260 [2C]	CT,NH,NY
SW-846 8260B in Soil	
Acetone	CT,NH,NY
Benzene	CT,NH,NY
Bromobenzene	NH,NY
Bromochloromethane	NH,NY
Bromodichloromethane	CT,NH,NY
Bromoform	CT,NH,NY
Bromomethane	CT,NH,NY
2-Butanone (MEK)	CT,NH,NY
n-Butylbenzene	CT,NH,NY
sec-Butylbenzene	CT,NH,NY
tert-Butylbenzene	CT,NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY
Chlorobenzene	CT,NH,NY
Chlorodibromomethane	CT,NH,NY
Chloroethane	CT,NH,NY
Chloroform	CT,NH,NY
Chloromethane	CT,NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
2-Chlorotoluene	CT,NH,NY
4-Chlorotoluene	CT,NH,NY
Dibromomethane	NH,NY
1,2-Dichlorobenzene	CT,NH,NY
1,3-Dichlorobenzene	CT,NH,NY
1,4-Dichlorobenzene	CT,NH,NY
Dichlorodifluoromethane (Freon 12)	NY
1,1-Dichloroethane	CT,NH,NY
1,2-Dichloroethane	CT,NH,NY
1,1-Dichloroethylene	CT,NH,NY
cis-1,2-Dichloroethylene	CT,NH,NY
trans-1,2-Dichloroethylene	CT,NH,NY
1,2-Dichloropropane	CT,NH,NY
1,3-Dichloropropane	NH,NY
2,2-Dichloropropane	NH,NY
1,1-Dichloropropene	NH,NY
cis-1,3-Dichloropropene	CT,NH,NY
trans-1,3-Dichloropropene	CT,NH,NY
Ethylbenzene	CT,NH,NY
Hexachlorobutadiene	NH,NY
2-Hexanone (MBK)	CT,NH,NY
Isopropylbenzene (Cumene)	CT,NH,NY
Methylene Chloride	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY
Styrene	CT,NH,NY
1,1,1,2-Tetrachloroethane	CT,NH,NY
1,1,2,2-Tetrachloroethane	CT,NH,NY
Tetrachloroethylene	CT,NH,NY
Toluene	CT,NH,NY
1,2,4-Trichlorobenzene	NH,NY
1,1,1-Trichloroethane	CT,NH,NY
1,1,2-Trichloroethane	CT,NH,NY
Trichloroethylene	CT,NH,NY
Trichlorofluoromethane (Freon 11)	CT,NH,NY
1,2,3-Trichloropropane	NH,NY
1,2,4-Trimethylbenzene	CT,NH,NY
1,3,5-Trimethylbenzene	CT,NH,NY
Vinyl Chloride	CT,NH,NY
m+p Xylene	CT,NH,NY
o-Xylene	CT,NH,NY
SW-846 8270C in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270C in Soil	
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
1,2-Diphenylhydrazine (as Azobenzene)	NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270C in Soil	
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	02/23/2011

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

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10E0395

Company Name: Triumvirate Environmental, Inc.
Address: 61 Inner Belt Road
Somerville MA 02143
Attention:
Project Location: New Bedford MA
Sampled By: Tom Dykstra

Telephone: 781-630-1751
Project # 66698
Client PO#

DATA DELIVERY (check all that apply)
O FAX O EMAIL O WEBSITE
Fax #
Email: jatwood@triumvirate.com
Format: ☒ PDF O EXCEL O GIS
O OTHER_____
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	RCRA 8 Metals	Lead TCLP	TPH 8100	PCBs	8270	8260	Conductivity	# of Containers	** Preservation	***Container Code
01	Characterization 1	1:45pm 05/18		X		S											
02	Characterization 2	1:50pm 05/18		X		S											
03	Characterization 3	1:55pm 05/18		X		S											
04	Characterization 4	2:00pm 05/18		X		S											
05	characterization 5	2:05pm 05/18		X		S											

Dissolved Metals
O Field Filtered
O Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other_____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other_____

Comments: 5 day Turn ⊛ Vial pre-weights per attached email 05/21/10

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 2:30pm 05/19/10	
Received by: (signature)	Date/Time: 5/18 14:40	
Relinquished by: (signature)	Date/Time: 5/18	
Received by: (signature)	Date/Time: 5/18/10 13:00	

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5

RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
O MCP Form Required
O RCP Form Required
O MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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con-test® ANALYTICAL LABORATORY

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: Triumvirate ENV RECEIVED BY: CEC DATE: 5/18/10

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? Yes No

Temperature °C by Temp blank 3.0°C Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes No Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: A

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: _____

Containers sent in to Con-Test

	# of containers			# of containers
1 Liter Amber			8 oz clear jar	5
500 mL Amber			4 oz clear jar	
250 mL Amber (8oz amber)			2 oz clear jar	
1 Liter Plastic			Other glass jar	
500 mL Plastic			Plastic Bag / Ziploc	
250 mL plastic			Air Cassette	
40 mL Vial - type listed below	5		Brass Sleeves	
Colisure / bacteria bottle			Tubes	
Dissolved Oxygen bottle			Summa Cans	
Flashpoint bottle			Regulators	
Encore			Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 5

Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

Do all samples have the proper pH: Yes No N/A

Meghan E. Kelley

From: Atwood, Jason N. [jatwood@triumvirate.com]
Sent: Friday, May 21, 2010 1:16 PM
To: mkelley@contestlabs.com
Subject: RE: New Bedford project.

Meghan – Here are the weights. Please process the samples as quickly as possible. Please let me know when results may be available so I can expedite them if necessary.

Thanks
Jason

Jason,

We need the pre weight for the vials from the New Bedford project, I have listed the numbers below.

34624*[Atwood, Jason N.]* - 40.86
34611*[Atwood, Jason N.]* 40.93
34615*[Atwood, Jason N.]* 41.94
34623*[Atwood, Jason N.]* 40.76
34612*[Atwood, Jason N.]* 40.88

Thanks,
Meghan

From: Atwood, Jason N. [mailto:jatwood@triumvirate.com]
Sent: Wednesday, May 19, 2010 10:27 AM
To: mkelley@contestlabs.com
Subject: RE: New Bedford project.

Yes – full set of data for each of the five samples. Thanks!

Jason

Click here to *experience* online DOT training.

Jason Atwood
Field Service Manager
61 Inner Belt Rd, Somerville, MA 02143

p: 617.715.8997
m:781.413.5625

TRIUMVIRATE ENVIRONMENTAL | triumvirate.com

From: Meghan E. Kelley [mailto:mkelley@contestlabs.com]
Sent: Wednesday, May 19, 2010 10:18 AM
To: Atwood, Jason N.
Subject: New Bedford project.

Hi Jason,

Just wanted to confirm you wanted all the analysis requested run on all five samples that we received on 5/18/2010?

-Meghan

Meghan Kelley
Con-Test Analytical Laboratory
39 Spruce Street
East Longmeadow, MA 01028
Tel: (413) 525-2332 x55
Fax: (413) 525-6405
mkelley@contestlabs.com

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

June 3, 2010

Jason Atwood
Triumvirate Environmental
Box 136, 63 Innerbelt Road
Sommerville, MA 02143

Project Location: Danvers
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 10E0733

Enclosed are results of analyses for samples received by the laboratory on May 28, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

Triumvirate Environmental
Box 136, 63 Innerbelt Road
Sommerville, MA 02143
ATTN: Jason Atwood

REPORT DATE: 6/3/2010

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10E0733

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Danvers

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Characterization 6	10E0733-01	Soil		SW-846 1311	
				SW-846 6010B	
TCLP 1a	10E0733-02	Soil		SW-846 1311	
				SW-846 6010B	
TCLP 2a	10E0733-03	Soil		SW-846 1311	
				SW-846 6010B	
TCLP 3a	10E0733-04	Soil		SW-846 1311	
				SW-846 6010B	
TCLP 4a	10E0733-05	Soil		SW-846 1311	
				SW-846 6010B	
TCLP 5a	10E0733-06	Soil		SW-846 1311	
				SW-846 6010B	
TCLP 6a	10E0733-07	Soil		SW-846 1311	
				SW-846 6010B	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only TCLP lead results were requested and reported.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

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

Project Location: Danvers
Sample Description:
Work Order: 10E0733

Date Received: 5/28/2010

Field Sample #: Characterization 6
Sampled: 5/26/2010 00:00

Sample ID: 10E0733-01

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	0.88	0.010	mg/L	1		SW-846 6010B	6/3/10	6/3/10 11:44	OP

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Project Location: Danvers
Sample Description:
Work Order: 10E0733

Date Received: 5/28/2010

Field Sample #: TCLP 1a
Sampled: 5/26/2010 00:00

Sample ID: 10E0733-02

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	0.88	0.010	mg/L	1		SW-846 6010B	6/2/10	6/2/10 12:49	KSH

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Project Location: Danvers
Sample Description:
Work Order: 10E0733

Date Received: 5/28/2010

Field Sample #: TCLP 2a
Sampled: 5/26/2010 00:00

Sample ID: 10E0733-03

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	0.54	0.010	mg/L	1		SW-846 6010B	6/2/10	6/2/10 13:00	KSH

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Project Location: Danvers
Sample Description:
Work Order: 10E0733

Date Received: 5/28/2010

Field Sample #: TCLP 3a
Sampled: 5/26/2010 00:00

Sample ID: 10E0733-04

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	0.52	0.010	mg/L	1		SW-846 6010B	6/2/10	6/2/10 13:06	KSH

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Project Location: Danvers
Sample Description:
Work Order: 10E0733

Date Received: 5/28/2010

Field Sample #: TCLP 4a
Sampled: 5/26/2010 00:00

Sample ID: 10E0733-05

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	0.71	0.010	mg/L	1		SW-846 6010B	6/2/10	6/2/10 13:11	KSH

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Project Location: Danvers
Sample Description:
Work Order: 10E0733

Date Received: 5/28/2010

Field Sample #: TCLP 5a
Sampled: 5/26/2010 00:00

Sample ID: 10E0733-06

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	0.55	0.010	mg/L	1		SW-846 6010B	6/2/10	6/2/10 13:17	KSH

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

Project Location: Danvers
Sample Description:
Work Order: 10E0733

Date Received: 5/28/2010

Field Sample #: TCLP 6a
Sampled: 5/26/2010 00:00

Sample ID: 10E0733-07

Sample Matrix: Soil

TCLP - Metals Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Lead	0.52	0.010	mg/L	1		SW-846 6010B	6/2/10	6/2/10 13:22	KSH

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Sample Extraction Data

Prep Method: SW-846 3010A-SW-846 6010B **Leachates were extracted on 6/1/2010 per SW-846 1311 in Batch B014336**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10E0733-02 [TCLP 1a]	B014397	50.0	50.0	06/02/10
10E0733-03 [TCLP 2a]	B014397	50.0	50.0	06/02/10
10E0733-04 [TCLP 3a]	B014397	50.0	50.0	06/02/10
10E0733-05 [TCLP 4a]	B014397	50.0	50.0	06/02/10
10E0733-06 [TCLP 5a]	B014397	50.0	50.0	06/02/10
10E0733-07 [TCLP 6a]	B014397	50.0	50.0	06/02/10

Prep Method: SW-846 3010A-SW-846 6010B **Leachates were extracted on 6/2/2010 per SW-846 1311 in Batch B014450**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10E0733-01 [Characterization 6]	B014471	50.0	50.0	06/03/10

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QUALITY CONTROL

TCLP - Metals Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014397 - SW-846 3010A										
Blank (B014397-BLK1)				Prepared & Analyzed: 06/02/10						
Lead	ND	0.010	mg/L							
LCS (B014397-BS1)				Prepared & Analyzed: 06/02/10						
Lead	0.465	0.010	mg/L	0.500		92.9	80-120			
LCS Dup (B014397-BSD1)				Prepared & Analyzed: 06/02/10						
Lead	0.471	0.010	mg/L	0.500		94.1	80-120	1.28	20	
Matrix Spike (B014397-MS1)		**Source: 10E0733-02**		Prepared & Analyzed: 06/02/10						
Lead	1.30	0.010	mg/L	0.500	0.883	82.7	75-125			
Batch B014471 - SW-846 3010A										
Blank (B014471-BLK1)				Prepared & Analyzed: 06/03/10						
Lead	ND	0.010	mg/L							
LCS (B014471-BS1)				Prepared & Analyzed: 06/03/10						
Lead	0.468	0.010	mg/L	0.500		93.6	80-120			
LCS Dup (B014471-BSD1)				Prepared & Analyzed: 06/03/10						
Lead	0.482	0.010	mg/L	0.500		96.5	80-120	2.98	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010B in Water	
Lead	NY,CT

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	02/23/2011

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Email: info@contestlabs.com
www.contestlabs.com
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East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

10E0733

Page 1 of 1

Company Name: Triumvirate Environmental, Inc.
Address: 61 Innerbelt Road, Somerville MA 02143
Attention: Jason Atwood
Project Location: Danvers
Sampled By: TOM Dykstra

Telephone: 617 628 8098
Project # 66698
Client PO#

DATA DELIVERY (check all that apply)
O FAX ◉ EMAIL O WEBSITE
Fax #
Email: jatwood@ triumvirate.com
Format: ◉ PDF O EXCEL O GIS O OTHER ____ O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes ____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	RCRA 8 Metals	Lead TCLP	TPH 8100	PCBs	8270	8260	Conductivity				
								1	1	1	1	1	1	1				# of Containers
								i	i	i	i	i	m	i				** Preservation
																		***Container Code
-01	Characterization 6							✓	✓	✓	✓	✓	✓	✓				
-02	TCLP 1a								✓									
-03	TCLP 2a								✓									
-04	TCLP 3a								✓									
-05	TCLP 4a								✓									
-06	TCLP 5a								✓									
-07	TCLP 6a								✓									

Comments: *Please rush all lead TCLP samples (7 total). All other analysis on (Characterization 6) on 5 DAY TAT. 5/28/10 1830 5.00 (YBW)

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals
O Field Filtered
O Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

**Preservation
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other____

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other____

Relinquished by: (signature) Tom Dykstra	Date/Time: 5/27 5:00pm	
Received by: (signature)	Date/Time: 5/28 8:30am	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time: 5-28-10 1830	

Turnaround ††
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
◉ MCP Form Required
O RCP Form Required
O MA State DW Form Required PWSID # ____

NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

5-28-10 1830

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39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: Trillium Visrake RECEIVED BY: CEC DATE: 5/28/10

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? Yes No

Temperature °C by Temp blank 5-6 Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes No Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 14

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: _____

Containers sent in to Con-Test

	# of containers			# of containers
1 Liter Amber	1		8 oz ~~clear~~ amber jar	6
500 mL Amber			4 oz clear jar	
250 mL Amber (8oz amber)			2 oz clear jar	
1 Liter Plastic			Other glass jar	
500 mL Plastic			Plastic Bag / Ziploc	
250 mL plastic			Air Cassette	
40 mL Vial - type listed below	1		Brass Sleeves	
Colisure / bacteria bottle			Tubes	
Dissolved Oxygen bottle			Summa Cans	
Flashpoint bottle			Regulators	
Encore			Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 1

Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

Do all samples have the proper pH: Yes No N/A

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

June 9, 2010

Jason Atwood
Triumvirate Environmental
Box 136, 63 Innerbelt Road
Sommerville, MA 02143

Project Location: Danvers
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 10E0734

Enclosed are results of analyses for samples received by the laboratory on May 28, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

Triumvirate Environmental
Box 136, 63 Innerbelt Road
Sommerville, MA 02143
ATTN: Jason Atwood

REPORT DATE: 6/9/2010

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10E0734

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Danvers

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Characterization 6	10E0734-01	Soil		SM 2540G	
				SM18-20 2510B	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8082	
				SW-846 8100 Modified	
				SW-846 8260B	
				SW-846 8270C	

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

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

For method 6010, only RCRA 8 metals were requested and reported.

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

SW-846 6010B

Qualifications:

Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Selenium

10E0734-01[Characterization 6], B014465-MS1

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Barium, Lead

B014465-MS1

SW-846 8260B

Qualifications:

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Bromomethane

B014554-BS1, B014554-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane, Acetone

10E0734-01[Characterization 6], B014554-BLK1, B014554-BS1, B014554-BSD1

SW-846 8270C

Qualifications:

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

2,4,5-Trichlorophenol

B014602-BSD1

More than one surrogate standard recovery for the associated fraction is outside of control limits or any one surrogate recovery is < 10%. All reported acid fraction data is estimated.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol, 2-Fluorophenol, Phenol-d6

10E0734-01[Characterization 6], 10E0734-01RE1[Characterization 6]

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

2,4,5-Trichlorophenol

B014602-BSD1

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

Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

10E0734-01[Characterization 6], 10E0734-01RE1[Characterization 6], B014464-BLK1, B014464-BS1, B014464-BSD1, B014602-BLK1, B014602-BS1, B014602-BSD1

Sample was re-extracted with similar surrogate non-conformance, matrxi interference confirmed, both results reported per MCP criteria.

Analyte & Samples(s) Qualified:

2,4,6-Tribromophenol, 2-Fluorophenol

10E0734-01RE1[Characterization 6]

SW-846 8260B

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for “difficult analytes” where recovery control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, tert-butyl alcohol, acetone, 1,4-dioxane, vinyl chloride, chloromethane, dichlorodifluoromethane, 2-hexanone, naphthalene, methylene chloride, and tert-butylbenzene.

Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for “difficult analytes” where RPDs of 50% are used and/or unless otherwise listed in this narrative. Difficult analyte: 1,4-dioxane

SW-846 8270C

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for “difficult analytes” listed below and/or otherwise listed in this narrative. Difficult analytes for soil LCS - limits between 10 and 180% depending on the compound(see QC summary report for limits): 3,3’-dichlorobenzidine, aniline, 2,4-dinitrophenol, and 4-chloroaniline.

Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for ”difficult analytes” where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative. Difficult analytes for soil RPDs: 3,3’-dichlorobenzidine, 4-nitrophenol, and aniline.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY

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

Project Location: Danvers | Sample Description: | Work Order: 10E0734

Date Received: 5/28/2010

Field Sample #: Characterization 6 | Sampled: 5/26/2010 00:00

Sample ID: 10E0734-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	1.8	mg/Kg dry	1	V-16	SW-846 8260B	6/3/10	6/4/10 14:17	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.018	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Benzene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Bromobenzene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Bromochloromethane	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Bromodichloromethane	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Bromoform	ND	0.074	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Bromomethane	ND	0.074	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
2-Butanone (MEK)	ND	0.74	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
n-Butylbenzene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
sec-Butylbenzene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
tert-Butylbenzene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.018	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Carbon Disulfide	ND	0.37	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Carbon Tetrachloride	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Chlorobenzene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Chlorodibromomethane	ND	0.018	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Chloroethane	ND	0.074	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Chloroform	ND	0.074	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Chloromethane	ND	0.15	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
2-Chlorotoluene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
4-Chlorotoluene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.074	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,2-Dibromoethane (EDB)	ND	0.018	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Dibromomethane	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,2-Dichlorobenzene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,3-Dichlorobenzene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,4-Dichlorobenzene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.074	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,1-Dichloroethane	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,2-Dichloroethane	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,1-Dichloroethylene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
cis-1,2-Dichloroethylene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
trans-1,2-Dichloroethylene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,2-Dichloropropane	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,3-Dichloropropane	ND	0.018	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
2,2-Dichloropropane	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,1-Dichloropropene	ND	0.074	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
cis-1,3-Dichloropropene	ND	0.018	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
trans-1,3-Dichloropropene	ND	0.018	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Diethyl Ether	ND	0.074	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Diisopropyl Ether (DIPE)	ND	0.018	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,4-Dioxane	ND	1.8	mg/Kg dry	1	V-16	SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Ethylbenzene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF

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

Project Location: Danvers
Sample Description:
Work Order: 10E0734

Date Received: 5/28/2010

Field Sample #: Characterization 6
Sampled: 5/26/2010 00:00

Sample ID: 10E0734-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
2-Hexanone (MBK)	ND	0.37	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Isopropylbenzene (Cumene)	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Methylene Chloride	ND	0.18	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.37	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Naphthalene	ND	0.15	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
n-Propylbenzene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Styrene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,1,1,2-Tetrachloroethane	ND	0.074	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,1,2,2-Tetrachloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Tetrachloroethylene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Tetrahydrofuran	ND	0.37	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Toluene	0.062	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,2,3-Trichlorobenzene	ND	0.18	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,2,4-Trichlorobenzene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,1,1-Trichloroethane	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,1,2-Trichloroethane	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Trichloroethylene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Trichlorofluoromethane (Freon 11)	ND	0.074	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,2,3-Trichloropropane	ND	0.074	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,2,4-Trimethylbenzene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
1,3,5-Trimethylbenzene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
Vinyl Chloride	ND	0.074	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
m+p Xylene	ND	0.074	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF
o-Xylene	ND	0.037	mg/Kg dry	1		SW-846 8260B	6/3/10	6/4/10 14:17	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	92.3	70-130		6/4/10 14:17
Toluene-d8	105	70-130		6/4/10 14:17
4-Bromofluorobenzene	99.7	70-130		6/4/10 14:17

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

Project Location: Danvers | Sample Description: | Work Order: 10E0734

Date Received: 5/28/2010

Field Sample #: Characterization 6 | Sampled: 5/26/2010 00:00

Sample ID: 10E0734-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Acetophenone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Acetophenone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Benzo(a)anthracene	0.62	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Benzo(a)anthracene	0.72	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Benzo(a)pyrene	0.53	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Benzo(a)pyrene	0.61	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Benzo(b)fluoranthene	0.61	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Benzo(b)fluoranthene	0.66	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Benzo(g,h,i)perylene	0.34	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Benzo(g,h,i)perylene	0.40	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Benzo(k)fluoranthene	0.25	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Benzo(k)fluoranthene	0.27	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Butylbenzylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Butylbenzylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
4-Chloroaniline	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
4-Chloroaniline	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Chrysene	0.70	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Chrysene	0.75	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL

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

Project Location: Danvers | Sample Description: | Work Order: 10E0734

Date Received: 5/28/2010

Field Sample #: Characterization 6 | Sampled: 5/26/2010 00:00

Sample ID: 10E0734-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
1,2-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
1,2-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
1,3-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
1,3-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
1,4-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
1,4-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Dimethylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Dimethylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1	V-19	SW-846 8270C	6/2/10	6/4/10 16:57	BGL
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1	V-19	SW-846 8270C	6/7/10	6/7/10 11:30	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Di-n-octylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Di-n-octylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Fluoranthene	1.1	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Fluoranthene	1.0	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Indeno(1,2,3-cd)pyrene	0.39	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Indeno(1,2,3-cd)pyrene	0.43	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL

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

Project Location: Danvers | Sample Description: | Work Order: 10E0734

Date Received: 5/28/2010

Field Sample #: Characterization 6 | Sampled: 5/26/2010 00:00

Sample ID: 10E0734-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
4-Nitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
4-Nitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Phenanthrene	0.89	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Phenanthrene	0.87	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
Pyrene	1.1	0.18	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
Pyrene	1.2	0.18	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/2/10	6/4/10 16:57	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	6/7/10	6/7/10 11:30	BGL

Surrogates	% Recovery		Recovery Limits	Flag	
2-Fluorophenol	**1.09**	*	30-130	S-05	6/4/10 16:57
2-Fluorophenol	**4.54**	*	30-130	S-05, Z-01	6/7/10 11:30
Phenol-d6	**5.18**	*	30-130	S-05	6/4/10 16:57
Phenol-d6	32.3		30-130		6/7/10 11:30
Nitrobenzene-d5	43.5		30-130		6/4/10 16:57
Nitrobenzene-d5	52.3		30-130		6/7/10 11:30
2-Fluorobiphenyl	51.9		30-130		6/4/10 16:57
2-Fluorobiphenyl	58.8		30-130		6/7/10 11:30
2,4,6-Tribromophenol	**0.340**	*	30-130	S-05	6/4/10 16:57
2,4,6-Tribromophenol	**0.180**	*	30-130	S-05, Z-01	6/7/10 11:30
Terphenyl-d14	47.5		30-130		6/4/10 16:57
Terphenyl-d14	61.7		30-130		6/7/10 11:30

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

Project Location: Danvers
Sample Description:
Work Order: 10E0734

Date Received: 5/28/2010

Field Sample #: Characterization 6
Sampled: 5/26/2010 00:00

Sample ID: 10E0734-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	6/2/10	6/3/10 18:12	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	6/2/10	6/3/10 18:12	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	6/2/10	6/3/10 18:12	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	6/2/10	6/3/10 18:12	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	6/2/10	6/3/10 18:12	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	6/2/10	6/3/10 18:12	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	6/2/10	6/3/10 18:12	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	6/2/10	6/3/10 18:12	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	6/2/10	6/3/10 18:12	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	83.0	30-150		6/3/10 18:12
Decachlorobiphenyl [2]	74.0	30-150		6/3/10 18:12
Tetrachloro-m-xylene [1]	78.9	30-150		6/3/10 18:12
Tetrachloro-m-xylene [2]	70.0	30-150		6/3/10 18:12

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Project Location: Danvers
Sample Description:
Work Order: 10E0734

Date Received: 5/28/2010

Field Sample #: Characterization 6
Sampled: 5/26/2010 00:00

Sample ID: 10E0734-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH as Diesel	190	71	mg/Kg dry	4		SW-846 8100 Modified	6/2/10	6/4/10 9:22	CJM

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Project Location: Danvers
Sample Description:
Work Order: 10E0734

Date Received: 5/28/2010

Field Sample #: Characterization 6
Sampled: 5/26/2010 00:00

Sample ID: 10E0734-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	18	2.6	mg/Kg dry	1		SW-846 6010B	6/2/10	6/3/10 15:07	OP
Barium	300	2.6	mg/Kg dry	1		SW-846 6010B	6/2/10	6/3/10 15:07	OP
Cadmium	1.6	0.26	mg/Kg dry	1		SW-846 6010B	6/2/10	6/3/10 15:07	OP
Chromium	27	0.53	mg/Kg dry	1		SW-846 6010B	6/2/10	6/3/10 15:07	OP
Lead	670	0.79	mg/Kg dry	1		SW-846 6010B	6/2/10	6/3/10 15:07	OP
Mercury	ND	0.015	mg/Kg dry	1		SW-846 7471A	6/3/10	6/3/10 16:07	MPF
Selenium	ND	5.3	mg/Kg dry	1	MS-07	SW-846 6010B	6/2/10	6/3/10 15:07	OP
Silver	ND	0.53	mg/Kg dry	1		SW-846 6010B	6/2/10	6/3/10 15:07	OP

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Project Location: Danvers
Sample Description:
Work Order: 10E0734

Date Received: 5/28/2010

Field Sample #: Characterization 6
Sampled: 5/26/2010 00:00

Sample ID: 10E0734-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Specific conductance	1000	2.0	µmhos/cm	1		SM18-20 2510B	6/2/10	6/2/10 13:45	SBP
% Solids	93.1		% Wt	1		SM 2540G	6/3/10	6/3/10 15:20	NH

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10E0734-01 [Characterization 6]	B014474	06/03/10

SM18-20 2510B

Lab Number [Field ID]	Batch	Initial [g]	Date
10E0734-01 [Characterization 6]	B014436	1.00	06/02/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0734-01 [Characterization 6]	B014465	1.02	50.0	06/02/10

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0734-01 [Characterization 6]	B014478	0.174	25.0	06/03/10

Prep Method: SW-846 3546-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0734-01 [Characterization 6]	B014423	10.0	50.0	06/02/10

Prep Method: SW-846 3546-SW-846 8100 Modified

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0734-01 [Characterization 6]	B014434	30.3	2.00	06/02/10

Prep Method: SW-846 5035/5030B-SW-846 8260B

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
10E0734-01 [Characterization 6]	B014554	24.7	17.0	0.5	100	06/03/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0734-01 [Characterization 6]	B014464	30.0	1.00	06/02/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10E0734-01RE1 [Characterization 6]	B014602	30.0	1.00	06/07/10

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014554 - SW-846 5035/5030B										
Blank (B014554-BLK1)				Prepared & Analyzed: 06/04/10						
Acetone	ND	2.5	mg/Kg wet							V-16
tert-Amyl Methyl Ether (TAME)	ND	0.025	mg/Kg wet							
Benzene	ND	0.051	mg/Kg wet							
Bromobenzene	ND	0.051	mg/Kg wet							
Bromochloromethane	ND	0.051	mg/Kg wet							
Bromodichloromethane	ND	0.051	mg/Kg wet							
Bromoform	ND	0.10	mg/Kg wet							
Bromomethane	ND	0.10	mg/Kg wet							
2-Butanone (MEK)	ND	1.0	mg/Kg wet							
n-Butylbenzene	ND	0.051	mg/Kg wet							
sec-Butylbenzene	ND	0.051	mg/Kg wet							
tert-Butylbenzene	ND	0.051	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.025	mg/Kg wet							
Carbon Disulfide	ND	0.51	mg/Kg wet							
Carbon Tetrachloride	ND	0.051	mg/Kg wet							
Chlorobenzene	ND	0.051	mg/Kg wet							
Chlorodibromomethane	ND	0.025	mg/Kg wet							
Chloroethane	ND	0.10	mg/Kg wet							
Chloroform	ND	0.10	mg/Kg wet							
Chloromethane	ND	0.20	mg/Kg wet							
2-Chlorotoluene	ND	0.051	mg/Kg wet							
4-Chlorotoluene	ND	0.051	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.10	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							
Dibromomethane	ND	0.051	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.051	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.051	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.051	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							
1,1-Dichloroethane	ND	0.051	mg/Kg wet							
1,2-Dichloroethane	ND	0.051	mg/Kg wet							
1,1-Dichloroethylene	ND	0.051	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.051	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.051	mg/Kg wet							
1,2-Dichloropropane	ND	0.051	mg/Kg wet							
1,3-Dichloropropane	ND	0.025	mg/Kg wet							
2,2-Dichloropropane	ND	0.051	mg/Kg wet							
1,1-Dichloropropene	ND	0.10	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							
Diethyl Ether	ND	0.10	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.025	mg/Kg wet							
1,4-Dioxane	ND	2.5	mg/Kg wet							V-16
Ethylbenzene	ND	0.051	mg/Kg wet							
Hexachlorobutadiene	ND	0.051	mg/Kg wet							
2-Hexanone (MBK)	ND	0.51	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.051	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.051	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.051	mg/Kg wet							
Methylene Chloride	ND	0.25	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.51	mg/Kg wet							
Naphthalene	ND	0.20	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B014554 - SW-846 5035/5030B											
Blank (B014554-BLK1)				Prepared & Analyzed: 06/04/10							
n-Propylbenzene	ND	0.051	mg/Kg wet								
Styrene	ND	0.051	mg/Kg wet								
1,1,1,2-Tetrachloroethane	ND	0.10	mg/Kg wet								
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet								
Tetrachloroethylene	ND	0.051	mg/Kg wet								
Tetrahydrofuran	ND	0.51	mg/Kg wet								
Toluene	ND	0.051	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.051	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.051	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.051	mg/Kg wet								
Trichloroethylene	ND	0.051	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.051	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.051	mg/Kg wet								
Vinyl Chloride	ND	0.10	mg/Kg wet								
m+p Xylene	ND	0.10	mg/Kg wet								
o-Xylene	ND	0.051	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*1.13*		mg/Kg wet	1.33		84.9	70-130				
Surrogate: Toluene-d8	*1.13*		mg/Kg wet	1.33		84.4	70-130				
Surrogate: 4-Bromofluorobenzene	*1.13*		mg/Kg wet	1.33		84.7	70-130				
LCS (B014554-BS1)				Prepared & Analyzed: 06/04/10							
Acetone	23.3	11	mg/Kg wet	22.7		103	70-160			V-16	†
tert-Amyl Methyl Ether (TAME)	2.73	0.11	mg/Kg wet	2.27		121	70-130				
Benzene	2.38	0.23	mg/Kg wet	2.27		105	70-130				
Bromobenzene	2.38	0.23	mg/Kg wet	2.27		105	70-130				
Bromochloromethane	2.60	0.23	mg/Kg wet	2.27		115	70-130				
Bromodichloromethane	2.52	0.23	mg/Kg wet	2.27		111	70-130				
Bromoform	2.75	0.45	mg/Kg wet	2.27		121	70-130				
Bromomethane	0.907	0.45	mg/Kg wet	2.27		40.0	40-160			V-06	†
2-Butanone (MEK)	21.9	4.5	mg/Kg wet	22.7		96.5	40-160				†
n-Butylbenzene	2.53	0.23	mg/Kg wet	2.27		112	70-130				
sec-Butylbenzene	2.52	0.23	mg/Kg wet	2.27		111	70-130				
tert-Butylbenzene	2.45	0.23	mg/Kg wet	2.27		108	70-130				†
tert-Butyl Ethyl Ether (TBEE)	2.72	0.11	mg/Kg wet	2.27		120	70-130				
Carbon Disulfide	2.95	2.3	mg/Kg wet	2.27		130	70-130				
Carbon Tetrachloride	2.58	0.23	mg/Kg wet	2.27		114	70-130				
Chlorobenzene	2.34	0.23	mg/Kg wet	2.27		103	70-130				
Chlorodibromomethane	2.66	0.11	mg/Kg wet	2.27		117	70-130				
Chloroethane	2.45	0.45	mg/Kg wet	2.27		108	70-130				
Chloroform	2.45	0.45	mg/Kg wet	2.27		108	70-130				
Chloromethane	2.28	0.91	mg/Kg wet	2.27		100	40-160				
2-Chlorotoluene	2.36	0.23	mg/Kg wet	2.27		104	70-130				
4-Chlorotoluene	2.47	0.23	mg/Kg wet	2.27		109	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	2.22	0.45	mg/Kg wet	2.27		97.9	70-130				
1,2-Dibromoethane (EDB)	2.39	0.11	mg/Kg wet	2.27		106	70-130				
Dibromomethane	2.45	0.23	mg/Kg wet	2.27		108	70-130				
1,2-Dichlorobenzene	2.38	0.23	mg/Kg wet	2.27		105	70-130				
1,3-Dichlorobenzene	2.43	0.23	mg/Kg wet	2.27		107	70-130				
1,4-Dichlorobenzene	2.32	0.23	mg/Kg wet	2.27		102	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B014554 - SW-846 5035/5030B											
LCS (B014554-BS1)				Prepared & Analyzed: 06/04/10							
Dichlorodifluoromethane (Freon 12)	2.47	0.45	mg/Kg wet	2.27		109	40-160				†
1,1-Dichloroethane	2.45	0.23	mg/Kg wet	2.27		108	70-130				
1,2-Dichloroethane	2.39	0.23	mg/Kg wet	2.27		106	70-130				
1,1-Dichloroethylene	2.57	0.23	mg/Kg wet	2.27		113	70-130				
cis-1,2-Dichloroethylene	2.43	0.23	mg/Kg wet	2.27		107	70-130				
trans-1,2-Dichloroethylene	2.48	0.23	mg/Kg wet	2.27		110	70-130				
1,2-Dichloropropane	2.41	0.23	mg/Kg wet	2.27		106	70-130				
1,3-Dichloropropane	2.32	0.11	mg/Kg wet	2.27		102	70-130				
2,2-Dichloropropane	2.67	0.23	mg/Kg wet	2.27		118	40-130				
1,1-Dichloropropene	2.47	0.45	mg/Kg wet	2.27		109	70-130				
cis-1,3-Dichloropropene	2.55	0.11	mg/Kg wet	2.27		112	70-130				
trans-1,3-Dichloropropene	2.87	0.11	mg/Kg wet	2.27		127	70-130				
Diethyl Ether	2.87	0.45	mg/Kg wet	2.27		127	70-130				
Diisopropyl Ether (DIPE)	2.70	0.11	mg/Kg wet	2.27		119	70-130				
1,4-Dioxane	19.9	11	mg/Kg wet	22.7		87.8	40-130			V-16	†
Ethylbenzene	2.41	0.23	mg/Kg wet	2.27		106	70-130				
Hexachlorobutadiene	2.52	0.23	mg/Kg wet	2.27		111	70-130				
2-Hexanone (MBK)	21.8	2.3	mg/Kg wet	22.7		96.2	70-160				†
Isopropylbenzene (Cumene)	2.91	0.23	mg/Kg wet	2.27		128	70-130				
p-Isopropyltoluene (p-Cymene)	2.60	0.23	mg/Kg wet	2.27		114	70-130				
Methyl tert-Butyl Ether (MTBE)	2.65	0.23	mg/Kg wet	2.27		117	70-130				
Methylene Chloride	2.30	1.1	mg/Kg wet	2.27		102	70-130				†
4-Methyl-2-pentanone (MIBK)	22.0	2.3	mg/Kg wet	22.7		97.0	70-160				†
Naphthalene	2.02	0.91	mg/Kg wet	2.27		88.9	40-130				†
n-Propylbenzene	2.44	0.23	mg/Kg wet	2.27		108	70-130				
Styrene	2.50	0.23	mg/Kg wet	2.27		110	70-130				
1,1,1,2-Tetrachloroethane	2.55	0.45	mg/Kg wet	2.27		113	70-130				
1,1,2,2-Tetrachloroethane	2.34	0.11	mg/Kg wet	2.27		103	70-130				
Tetrachloroethylene	2.41	0.23	mg/Kg wet	2.27		106	70-130				
Tetrahydrofuran	2.37	2.3	mg/Kg wet	2.27		104	70-130				
Toluene	2.41	0.23	mg/Kg wet	2.27		106	70-130				
1,2,3-Trichlorobenzene	2.42	1.1	mg/Kg wet	2.27		107	70-130				
1,2,4-Trichlorobenzene	2.42	0.23	mg/Kg wet	2.27		107	70-130				
1,1,1-Trichloroethane	2.55	0.23	mg/Kg wet	2.27		113	70-130				
1,1,2-Trichloroethane	2.32	0.23	mg/Kg wet	2.27		102	70-130				
Trichloroethylene	2.35	0.23	mg/Kg wet	2.27		104	70-130				
Trichlorofluoromethane (Freon 11)	2.85	0.45	mg/Kg wet	2.27		126	70-130				
1,2,3-Trichloropropane	2.10	0.45	mg/Kg wet	2.27		92.5	70-130				
1,2,4-Trimethylbenzene	2.45	0.23	mg/Kg wet	2.27		108	70-130				
1,3,5-Trimethylbenzene	2.58	0.23	mg/Kg wet	2.27		114	70-130				
Vinyl Chloride	2.33	0.45	mg/Kg wet	2.27		103	40-160				†
m+p Xylene	4.86	0.45	mg/Kg wet	4.53		107	70-130				
o-Xylene	2.46	0.23	mg/Kg wet	2.27		108	70-130				
Surrogate: 1,2-Dichloroethane-d4	*5.61*		mg/Kg wet	5.33		105	70-130				
Surrogate: Toluene-d8	*5.67*		mg/Kg wet	5.33		106	70-130				
Surrogate: 4-Bromofluorobenzene	*5.74*		mg/Kg wet	5.33		108	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B014554 - SW-846 5035/5030B											
LCS Dup (B014554-BSD1)				Prepared & Analyzed: 06/04/10							
Acetone	22.8	11	mg/Kg wet	22.7		100	70-160	2.34	25	V-16	†
tert-Amyl Methyl Ether (TAME)	2.73	0.11	mg/Kg wet	2.27		121	70-130	0.00	25		
Benzene	2.31	0.23	mg/Kg wet	2.27		102	70-130	2.71	25		
Bromobenzene	2.30	0.23	mg/Kg wet	2.27		102	70-130	3.48	25		
Bromochloromethane	2.49	0.23	mg/Kg wet	2.27		110	70-130	4.46	25		
Bromodichloromethane	2.45	0.23	mg/Kg wet	2.27		108	70-130	2.73	25		
Bromoform	2.67	0.45	mg/Kg wet	2.27		118	70-130	3.09	25		
Bromomethane	1.02	0.45	mg/Kg wet	2.27		45.1	40-160	12.0	25	V-06	†
2-Butanone (MEK)	22.2	4.5	mg/Kg wet	22.7		97.9	40-160	1.50	25		†
n-Butylbenzene	2.49	0.23	mg/Kg wet	2.27		110	70-130	1.72	25		
sec-Butylbenzene	2.46	0.23	mg/Kg wet	2.27		109	70-130	2.37	25		
tert-Butylbenzene	2.43	0.23	mg/Kg wet	2.27		107	70-130	0.929	25		†
tert-Butyl Ethyl Ether (TBEE)	2.64	0.11	mg/Kg wet	2.27		116	70-130	3.05	25		
Carbon Disulfide	2.80	2.3	mg/Kg wet	2.27		124	70-130	5.20	25		
Carbon Tetrachloride	2.47	0.23	mg/Kg wet	2.27		109	70-130	4.31	25		
Chlorobenzene	2.26	0.23	mg/Kg wet	2.27		99.9	70-130	3.15	25		
Chlorodibromomethane	2.57	0.11	mg/Kg wet	2.27		113	70-130	3.47	25		
Chloroethane	2.63	0.45	mg/Kg wet	2.27		116	70-130	7.06	25		
Chloroform	2.38	0.45	mg/Kg wet	2.27		105	70-130	3.28	25		
Chloromethane	2.22	0.91	mg/Kg wet	2.27		98.0	40-160	2.52	25		
2-Chlorotoluene	2.29	0.23	mg/Kg wet	2.27		101	70-130	3.21	25		
4-Chlorotoluene	2.40	0.23	mg/Kg wet	2.27		106	70-130	2.89	25		
1,2-Dibromo-3-chloropropane (DBCP)	2.27	0.45	mg/Kg wet	2.27		100	70-130	2.42	25		
1,2-Dibromoethane (EDB)	2.40	0.11	mg/Kg wet	2.27		106	70-130	0.567	25		
Dibromomethane	2.38	0.23	mg/Kg wet	2.27		105	70-130	2.72	25		
1,2-Dichlorobenzene	2.37	0.23	mg/Kg wet	2.27		105	70-130	0.191	25		
1,3-Dichlorobenzene	2.37	0.23	mg/Kg wet	2.27		104	70-130	2.36	25		
1,4-Dichlorobenzene	2.29	0.23	mg/Kg wet	2.27		101	70-130	1.38	25		
Dichlorodifluoromethane (Freon 12)	2.36	0.45	mg/Kg wet	2.27		104	40-160	4.70	25		†
1,1-Dichloroethane	2.35	0.23	mg/Kg wet	2.27		104	70-130	4.07	25		
1,2-Dichloroethane	2.38	0.23	mg/Kg wet	2.27		105	70-130	0.570	25		
1,1-Dichloroethylene	2.44	0.23	mg/Kg wet	2.27		108	70-130	5.25	25		
cis-1,2-Dichloroethylene	2.30	0.23	mg/Kg wet	2.27		102	70-130	5.18	25		
trans-1,2-Dichloroethylene	2.36	0.23	mg/Kg wet	2.27		104	70-130	5.24	25		
1,2-Dichloropropane	2.31	0.23	mg/Kg wet	2.27		102	70-130	4.12	25		
1,3-Dichloropropane	2.32	0.11	mg/Kg wet	2.27		102	70-130	0.0977	25		
2,2-Dichloropropane	2.50	0.23	mg/Kg wet	2.27		110	40-130	6.84	25		
1,1-Dichloropropene	2.36	0.45	mg/Kg wet	2.27		104	70-130	4.51	25		
cis-1,3-Dichloropropene	2.44	0.11	mg/Kg wet	2.27		108	70-130	4.46	25		
trans-1,3-Dichloropropene	2.80	0.11	mg/Kg wet	2.27		124	70-130	2.48	25		
Diethyl Ether	2.86	0.45	mg/Kg wet	2.27		126	70-130	0.395	25		
Diisopropyl Ether (DIPE)	2.61	0.11	mg/Kg wet	2.27		115	70-130	3.24	25		
1,4-Dioxane	19.1	11	mg/Kg wet	22.7		84.3	40-130	4.10	50	V-16	† ‡
Ethylbenzene	2.31	0.23	mg/Kg wet	2.27		102	70-130	4.42	25		
Hexachlorobutadiene	2.55	0.23	mg/Kg wet	2.27		112	70-130	1.07	25		
2-Hexanone (MBK)	21.7	2.3	mg/Kg wet	22.7		95.7	70-160	0.552	25		†
Isopropylbenzene (Cumene)	2.77	0.23	mg/Kg wet	2.27		122	70-130	5.19	25		
p-Isopropyltoluene (p-Cymene)	2.53	0.23	mg/Kg wet	2.27		112	70-130	2.48	25		
Methyl tert-Butyl Ether (MTBE)	2.65	0.23	mg/Kg wet	2.27		117	70-130	0.00	25		
Methylene Chloride	2.19	1.1	mg/Kg wet	2.27		96.5	70-130	5.05	25		†
4-Methyl-2-pentanone (MIBK)	22.2	2.3	mg/Kg wet	22.7		98.0	70-160	0.975	25		†
Naphthalene	2.04	0.91	mg/Kg wet	2.27		90.1	40-130	1.34	25		†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014554 - SW-846 5035/5030B										
LCS Dup (B014554-BSD1)				Prepared & Analyzed: 06/04/10						
n-Propylbenzene	2.34	0.23	mg/Kg wet	2.27		103	70-130	3.98	25	
Styrene	2.43	0.23	mg/Kg wet	2.27		107	70-130	2.67	25	
1,1,1,2-Tetrachloroethane	2.42	0.45	mg/Kg wet	2.27		107	70-130	5.19	25	
1,1,2,2-Tetrachloroethane	2.29	0.11	mg/Kg wet	2.27		101	70-130	2.06	25	
Tetrachloroethylene	2.35	0.23	mg/Kg wet	2.27		104	70-130	2.58	25	
Tetrahydrofuran	2.41	2.3	mg/Kg wet	2.27		106	70-130	1.71	25	
Toluene	2.35	0.23	mg/Kg wet	2.27		104	70-130	2.76	25	
1,2,3-Trichlorobenzene	2.41	1.1	mg/Kg wet	2.27		106	70-130	0.470	25	
1,2,4-Trichlorobenzene	2.39	0.23	mg/Kg wet	2.27		106	70-130	1.04	25	
1,1,1-Trichloroethane	2.44	0.23	mg/Kg wet	2.27		108	70-130	4.36	25	
1,1,2-Trichloroethane	2.29	0.23	mg/Kg wet	2.27		101	70-130	1.48	25	
Trichloroethylene	2.28	0.23	mg/Kg wet	2.27		101	70-130	3.03	25	
Trichlorofluoromethane (Freon 11)	2.75	0.45	mg/Kg wet	2.27		121	70-130	3.80	25	
1,2,3-Trichloropropane	2.09	0.45	mg/Kg wet	2.27		92.1	70-130	0.433	25	
1,2,4-Trimethylbenzene	2.44	0.23	mg/Kg wet	2.27		108	70-130	0.741	25	
1,3,5-Trimethylbenzene	2.63	0.23	mg/Kg wet	2.27		116	70-130	1.65	25	
Vinyl Chloride	2.41	0.45	mg/Kg wet	2.27		106	40-160	3.34	25	†
m+p Xylene	4.72	0.45	mg/Kg wet	4.53		104	70-130	2.93	25	
o-Xylene	2.36	0.23	mg/Kg wet	2.27		104	70-130	4.05	25	
Surrogate: 1,2-Dichloroethane-d4	*5.64*		mg/Kg wet	5.33		106	70-130			
Surrogate: Toluene-d8	*5.68*		mg/Kg wet	5.33		107	70-130			
Surrogate: 4-Bromofluorobenzene	*5.65*		mg/Kg wet	5.33		106	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014464 - SW-846 3546										
Blank (B014464-BLK1)				Prepared: 06/02/10 Analyzed: 06/04/10						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.66	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.66	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-19
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.66	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B014464 - SW-846 3546											
Blank (B014464-BLK1)				Prepared: 06/02/10 Analyzed: 06/04/10							
Phenol	ND	0.34	mg/Kg wet								
Pyrene	ND	0.17	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet								
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet								
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet								
Surrogate: 2-Fluorophenol	*4.91*		mg/Kg wet	6.67		73.7	30-130				
Surrogate: Phenol-d6	*4.90*		mg/Kg wet	6.67		73.4	30-130				
Surrogate: Nitrobenzene-d5	*1.90*		mg/Kg wet	3.33		57.0	30-130				
Surrogate: 2-Fluorobiphenyl	*2.27*		mg/Kg wet	3.33		68.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*3.35*		mg/Kg wet	6.67		50.2	30-130				
Surrogate: Terphenyl-d14	*2.16*		mg/Kg wet	3.33		64.7	30-130				
LCS (B014464-BS1)				Prepared: 06/02/10 Analyzed: 06/04/10							
Acenaphthene	0.888	0.17	mg/Kg wet	1.67		53.3	40-140				
Acenaphthylene	0.900	0.17	mg/Kg wet	1.67		54.0	40-140				
Acetophenone	0.500	0.34	mg/Kg wet	0.833		60.0	40-140				
Aniline	1.02	0.34	mg/Kg wet	1.67		61.0	10-140				†
Anthracene	0.909	0.17	mg/Kg wet	1.67		54.6	40-140				
Benzo(a)anthracene	0.987	0.17	mg/Kg wet	1.67		59.2	40-140				
Benzo(a)pyrene	0.983	0.17	mg/Kg wet	1.67		59.0	40-140				
Benzo(b)fluoranthene	0.839	0.17	mg/Kg wet	1.67		50.4	40-140				
Benzo(g,h,i)perylene	0.969	0.17	mg/Kg wet	1.67		58.1	40-140				
Benzo(k)fluoranthene	0.934	0.17	mg/Kg wet	1.67		56.0	40-140				
Bis(2-chloroethoxy)methane	0.957	0.34	mg/Kg wet	1.67		57.4	40-140				
Bis(2-chloroethyl)ether	0.967	0.34	mg/Kg wet	1.67		58.0	40-140				
Bis(2-chloroisopropyl)ether	0.980	0.34	mg/Kg wet	1.67		58.8	40-140				
Bis(2-Ethylhexyl)phthalate	0.972	0.34	mg/Kg wet	1.67		58.3	40-140				
4-Bromophenylphenylether	0.996	0.34	mg/Kg wet	1.67		59.8	40-140				
Butylbenzylphthalate	0.966	0.66	mg/Kg wet	1.67		58.0	40-140				
4-Chloroaniline	0.852	0.66	mg/Kg wet	1.67		51.1	10-140				†
2-Chloronaphthalene	0.822	0.34	mg/Kg wet	1.67		49.3	40-140				
2-Chlorophenol	1.01	0.34	mg/Kg wet	1.67		60.5	30-130				
Chrysene	1.02	0.17	mg/Kg wet	1.67		61.4	40-140				
Dibenz(a,h)anthracene	0.997	0.17	mg/Kg wet	1.67		59.8	40-140				
Dibenzofuran	0.904	0.34	mg/Kg wet	1.67		54.2	40-140				
Di-n-butylphthalate	0.936	0.34	mg/Kg wet	1.67		56.2	40-140				
1,2-Dichlorobenzene	0.984	0.34	mg/Kg wet	1.67		59.0	40-140				
1,3-Dichlorobenzene	0.961	0.34	mg/Kg wet	1.67		57.7	40-140				
1,4-Dichlorobenzene	0.968	0.34	mg/Kg wet	1.67		58.1	40-140				
3,3-Dichlorobenzidine	0.998	0.17	mg/Kg wet	1.67		59.9	20-140				†
2,4-Dichlorophenol	0.929	0.34	mg/Kg wet	1.67		55.7	30-130				
Diethylphthalate	0.893	0.34	mg/Kg wet	1.67		53.6	40-140				
2,4-Dimethylphenol	0.978	0.34	mg/Kg wet	1.67		58.7	30-130				
Dimethylphthalate	0.954	0.66	mg/Kg wet	1.67		57.3	40-140				
2,4-Dinitrophenol	0.593	0.66	mg/Kg wet	1.67		35.6	30-130			V-19	
2,4-Dinitrotoluene	0.832	0.34	mg/Kg wet	1.67		49.9	40-140				
2,6-Dinitrotoluene	0.990	0.34	mg/Kg wet	1.67		59.4	40-140				
Di-n-octylphthalate	0.899	0.66	mg/Kg wet	1.67		54.0	40-140				
1,2-Diphenylhydrazine (as Azobenzene)	1.06	0.34	mg/Kg wet	1.67		63.8	40-140				
Fluoranthene	0.973	0.17	mg/Kg wet	1.67		58.4	40-140				
Fluorene	0.846	0.17	mg/Kg wet	1.67		50.8	40-140				
Hexachlorobenzene	0.925	0.34	mg/Kg wet	1.67		55.5	40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014464 - SW-846 3546										
LCS (B014464-BS1)				Prepared: 06/02/10 Analyzed: 06/04/10						
Hexachlorobutadiene	0.958	0.34	mg/Kg wet	1.67		57.5	40-140			
Hexachloroethane	1.01	0.34	mg/Kg wet	1.67		60.3	40-140			
Indeno(1,2,3-cd)pyrene	0.992	0.17	mg/Kg wet	1.67		59.5	40-140			
Isophorone	0.995	0.34	mg/Kg wet	1.67		59.7	40-140			
2-Methylnaphthalene	0.872	0.17	mg/Kg wet	1.67		52.3	40-140			
2-Methylphenol	0.956	0.34	mg/Kg wet	1.67		57.4	30-130			
3/4-Methylphenol	0.905	0.34	mg/Kg wet	1.67		54.3	30-130			
Naphthalene	0.873	0.17	mg/Kg wet	1.67		52.4	40-140			
Nitrobenzene	0.902	0.34	mg/Kg wet	1.67		54.1	40-140			
2-Nitrophenol	0.831	0.34	mg/Kg wet	1.67		49.8	30-130			
4-Nitrophenol	0.837	0.66	mg/Kg wet	1.67		50.2	30-130			
Pentachlorophenol	0.877	0.34	mg/Kg wet	1.67		52.6	30-130			
Phenanthrene	0.911	0.17	mg/Kg wet	1.67		54.7	40-140			
Phenol	1.05	0.34	mg/Kg wet	1.67		63.3	30-130			
Pyrene	0.934	0.17	mg/Kg wet	1.67		56.0	40-140			
1,2,4-Trichlorobenzene	0.966	0.34	mg/Kg wet	1.67		57.9	40-140			
2,4,5-Trichlorophenol	0.892	0.34	mg/Kg wet	1.67		53.5	30-130			
2,4,6-Trichlorophenol	0.962	0.34	mg/Kg wet	1.67		57.7	30-130			
Surrogate: 2-Fluorophenol	*5.06*		mg/Kg wet	6.67		75.8	30-130			
Surrogate: Phenol-d6	*5.46*		mg/Kg wet	6.67		82.0	30-130			
Surrogate: Nitrobenzene-d5	*2.09*		mg/Kg wet	3.33		62.7	30-130			
Surrogate: 2-Fluorobiphenyl	*2.37*		mg/Kg wet	3.33		71.0	30-130			
Surrogate: 2,4,6-Tribromophenol	*4.52*		mg/Kg wet	6.67		67.7	30-130			
Surrogate: Terphenyl-d14	*2.46*		mg/Kg wet	3.33		73.8	30-130			
LCS Dup (B014464-BSD1)				Prepared: 06/02/10 Analyzed: 06/04/10						
Acenaphthene	0.854	0.17	mg/Kg wet	1.67		51.2	40-140	3.91	30	
Acenaphthylene	0.861	0.17	mg/Kg wet	1.67		51.7	40-140	4.39	30	
Acetophenone	0.436	0.34	mg/Kg wet	0.833		52.3	40-140	13.8	30	
Aniline	0.927	0.34	mg/Kg wet	1.67		55.6	10-140	9.26	50	† ‡
Anthracene	0.884	0.17	mg/Kg wet	1.67		53.1	40-140	2.79	30	
Benzo(a)anthracene	0.963	0.17	mg/Kg wet	1.67		57.8	40-140	2.46	30	
Benzo(a)pyrene	0.953	0.17	mg/Kg wet	1.67		57.2	40-140	3.13	30	
Benzo(b)fluoranthene	0.859	0.17	mg/Kg wet	1.67		51.5	40-140	2.32	30	
Benzo(g,h,i)perylene	0.916	0.17	mg/Kg wet	1.67		55.0	40-140	5.62	30	
Benzo(k)fluoranthene	0.962	0.17	mg/Kg wet	1.67		57.7	40-140	3.02	30	
Bis(2-chloroethoxy)methane	0.891	0.34	mg/Kg wet	1.67		53.5	40-140	7.07	30	
Bis(2-chloroethyl)ether	0.862	0.34	mg/Kg wet	1.67		51.7	40-140	11.4	30	
Bis(2-chloroisopropyl)ether	0.866	0.34	mg/Kg wet	1.67		52.0	40-140	12.3	30	
Bis(2-Ethylhexyl)phthalate	1.01	0.34	mg/Kg wet	1.67		60.3	40-140	3.34	30	
4-Bromophenylphenylether	1.00	0.34	mg/Kg wet	1.67		60.3	40-140	0.866	30	
Butylbenzylphthalate	1.03	0.66	mg/Kg wet	1.67		61.9	40-140	6.57	30	
4-Chloroaniline	0.735	0.66	mg/Kg wet	1.67		44.1	10-140	14.8	30	†
2-Chloronaphthalene	0.831	0.34	mg/Kg wet	1.67		49.9	40-140	1.09	30	
2-Chlorophenol	0.906	0.34	mg/Kg wet	1.67		54.3	30-130	10.8	30	
Chrysene	0.974	0.17	mg/Kg wet	1.67		58.5	40-140	4.87	30	
Dibenz(a,h)anthracene	0.877	0.17	mg/Kg wet	1.67		52.6	40-140	12.9	30	
Dibenzofuran	0.838	0.34	mg/Kg wet	1.67		50.3	40-140	7.50	30	
Di-n-butylphthalate	0.961	0.34	mg/Kg wet	1.67		57.6	40-140	2.60	30	
1,2-Dichlorobenzene	0.918	0.34	mg/Kg wet	1.67		55.1	40-140	6.87	30	
1,3-Dichlorobenzene	0.901	0.34	mg/Kg wet	1.67		54.1	40-140	6.48	30	
1,4-Dichlorobenzene	0.933	0.34	mg/Kg wet	1.67		56.0	40-140	3.75	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B014464 - SW-846 3546											
LCS Dup (B014464-BSD1)				Prepared: 06/02/10 Analyzed: 06/04/10							
3,3-Dichlorobenzidine	0.904	0.17	mg/Kg wet	1.67		54.3	20-140	9.88	50		† ‡
2,4-Dichlorophenol	0.849	0.34	mg/Kg wet	1.67		51.0	30-130	8.92	30		
Diethylphthalate	0.822	0.34	mg/Kg wet	1.67		49.3	40-140	8.28	30		
2,4-Dimethylphenol	0.905	0.34	mg/Kg wet	1.67		54.3	30-130	7.75	30		
Dimethylphthalate	0.928	0.66	mg/Kg wet	1.67		55.7	40-140	2.83	30		
2,4-Dinitrophenol	0.568	0.66	mg/Kg wet	1.67		34.1	30-130	4.25	30	V-19	
2,4-Dinitrotoluene	0.716	0.34	mg/Kg wet	1.67		43.0	40-140	14.9	30		
2,6-Dinitrotoluene	0.902	0.34	mg/Kg wet	1.67		54.1	40-140	9.34	30		
Di-n-octylphthalate	1.03	0.66	mg/Kg wet	1.67		62.0	40-140	13.9	30		
1,2-Diphenylhydrazine (as Azobenzene)	1.08	0.34	mg/Kg wet	1.67		64.7	40-140	1.34	30		
Fluoranthene	0.953	0.17	mg/Kg wet	1.67		57.2	40-140	2.01	30		
Fluorene	0.772	0.17	mg/Kg wet	1.67		46.3	40-140	9.19	30		
Hexachlorobenzene	0.932	0.34	mg/Kg wet	1.67		55.9	40-140	0.754	30		
Hexachlorobutadiene	0.966	0.34	mg/Kg wet	1.67		58.0	40-140	0.797	30		
Hexachloroethane	0.958	0.34	mg/Kg wet	1.67		57.5	40-140	4.89	30		
Indeno(1,2,3-cd)pyrene	0.896	0.17	mg/Kg wet	1.67		53.7	40-140	10.2	30		
Isophorone	0.914	0.34	mg/Kg wet	1.67		54.8	40-140	8.56	30		
2-Methylnaphthalene	0.775	0.17	mg/Kg wet	1.67		46.5	40-140	11.7	30		
2-Methylphenol	0.822	0.34	mg/Kg wet	1.67		49.3	30-130	15.0	30		
3/4-Methylphenol	0.739	0.34	mg/Kg wet	1.67		44.3	30-130	20.2	30		
Naphthalene	0.831	0.17	mg/Kg wet	1.67		49.9	40-140	4.93	30		
Nitrobenzene	0.843	0.34	mg/Kg wet	1.67		50.6	40-140	6.76	30		
2-Nitrophenol	0.801	0.34	mg/Kg wet	1.67		48.1	30-130	3.64	30		
4-Nitrophenol	0.627	0.66	mg/Kg wet	1.67		37.6	30-130	28.7	50		‡
Pentachlorophenol	0.831	0.34	mg/Kg wet	1.67		49.9	30-130	5.31	30		
Phenanthrene	0.884	0.17	mg/Kg wet	1.67		53.1	40-140	3.01	30		
Phenol	0.904	0.34	mg/Kg wet	1.67		54.2	30-130	15.4	30		
Pyrene	0.995	0.17	mg/Kg wet	1.67		59.7	40-140	6.29	30		
1,2,4-Trichlorobenzene	0.928	0.34	mg/Kg wet	1.67		55.7	40-140	3.94	30		
2,4,5-Trichlorophenol	0.798	0.34	mg/Kg wet	1.67		47.9	30-130	11.2	30		
2,4,6-Trichlorophenol	0.912	0.34	mg/Kg wet	1.67		54.7	30-130	5.34	30		
Surrogate: 2-Fluorophenol	*3.85*		mg/Kg wet	6.67		57.8	30-130				
Surrogate: Phenol-d6	*3.92*		mg/Kg wet	6.67		58.8	30-130				
Surrogate: Nitrobenzene-d5	*1.68*		mg/Kg wet	3.33		50.3	30-130				
Surrogate: 2-Fluorobiphenyl	*2.07*		mg/Kg wet	3.33		62.2	30-130				
Surrogate: 2,4,6-Tribromophenol	*3.16*		mg/Kg wet	6.67		47.4	30-130				
Surrogate: Terphenyl-d14	*2.25*		mg/Kg wet	3.33		67.5	30-130				
Batch B014602 - SW-846 3546											
Blank (B014602-BLK1)				Prepared & Analyzed: 06/07/10							
Acenaphthene	ND	0.17	mg/Kg wet								
Acenaphthylene	ND	0.17	mg/Kg wet								
Acetophenone	ND	0.34	mg/Kg wet								
Aniline	ND	0.34	mg/Kg wet								
Anthracene	ND	0.17	mg/Kg wet								
Benzo(a)anthracene	ND	0.17	mg/Kg wet								
Benzo(a)pyrene	ND	0.17	mg/Kg wet								
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet								
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet								
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet								
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet								
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet								

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014602 - SW-846 3546										
Blank (B014602-BLK1)				Prepared & Analyzed: 06/07/10						
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.66	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.66	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-19
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.66	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	*6.64*		mg/Kg wet	6.67		99.7	30-130			
Surrogate: Phenol-d6	*6.49*		mg/Kg wet	6.67		97.3	30-130			
Surrogate: Nitrobenzene-d5	*2.54*		mg/Kg wet	3.33		76.2	30-130			
Surrogate: 2-Fluorobiphenyl	*2.86*		mg/Kg wet	3.33		85.7	30-130			
Surrogate: 2,4,6-Tribromophenol	*5.41*		mg/Kg wet	6.67		81.2	30-130			
Surrogate: Terphenyl-d14	*3.00*		mg/Kg wet	3.33		89.9	30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014602 - SW-846 3546										
LCS (B014602-BS1)				Prepared & Analyzed: 06/07/10						
Acenaphthene	1.10	0.17	mg/Kg wet	1.67		65.7	40-140			
Acenaphthylene	1.09	0.17	mg/Kg wet	1.67		65.4	40-140			
Acetophenone	0.555	0.34	mg/Kg wet	0.833		66.6	40-140			
Aniline	1.01	0.34	mg/Kg wet	1.67		60.7	10-140			†
Anthracene	1.09	0.17	mg/Kg wet	1.67		65.4	40-140			
Benzo(a)anthracene	1.17	0.17	mg/Kg wet	1.67		70.2	40-140			
Benzo(a)pyrene	1.21	0.17	mg/Kg wet	1.67		72.5	40-140			
Benzo(b)fluoranthene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140			
Benzo(g,h,i)perylene	1.29	0.17	mg/Kg wet	1.67		77.7	40-140			
Benzo(k)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Bis(2-chloroethoxy)methane	1.20	0.34	mg/Kg wet	1.67		71.8	40-140			
Bis(2-chloroethyl)ether	1.14	0.34	mg/Kg wet	1.67		68.4	40-140			
Bis(2-chloroisopropyl)ether	1.12	0.34	mg/Kg wet	1.67		67.0	40-140			
Bis(2-Ethylhexyl)phthalate	1.27	0.34	mg/Kg wet	1.67		76.3	40-140			
4-Bromophenylphenylether	1.28	0.34	mg/Kg wet	1.67		76.6	40-140			
Butylbenzylphthalate	1.19	0.66	mg/Kg wet	1.67		71.1	40-140			
4-Chloroaniline	0.638	0.66	mg/Kg wet	1.67		38.3	10-140			†
2-Chloronaphthalene	1.05	0.34	mg/Kg wet	1.67		63.0	40-140			
2-Chlorophenol	1.18	0.34	mg/Kg wet	1.67		70.6	30-130			
Chrysene	1.19	0.17	mg/Kg wet	1.67		71.5	40-140			
Dibenz(a,h)anthracene	1.36	0.17	mg/Kg wet	1.67		81.4	40-140			
Dibenzofuran	1.14	0.34	mg/Kg wet	1.67		68.3	40-140			
Di-n-butylphthalate	1.06	0.34	mg/Kg wet	1.67		63.4	40-140			
1,2-Dichlorobenzene	1.27	0.34	mg/Kg wet	1.67		76.4	40-140			
1,3-Dichlorobenzene	1.24	0.34	mg/Kg wet	1.67		74.6	40-140			
1,4-Dichlorobenzene	1.25	0.34	mg/Kg wet	1.67		75.1	40-140			
3,3-Dichlorobenzidine	0.861	0.17	mg/Kg wet	1.67		51.7	20-140			†
2,4-Dichlorophenol	1.17	0.34	mg/Kg wet	1.67		70.1	30-130			
Diethylphthalate	1.04	0.34	mg/Kg wet	1.67		62.6	40-140			
2,4-Dimethylphenol	1.18	0.34	mg/Kg wet	1.67		70.8	30-130			
Dimethylphthalate	1.15	0.66	mg/Kg wet	1.67		68.9	40-140			
2,4-Dinitrophenol	1.10	0.66	mg/Kg wet	1.67		65.9	30-130			V-19
2,4-Dinitrotoluene	0.982	0.34	mg/Kg wet	1.67		58.9	40-140			
2,6-Dinitrotoluene	1.20	0.34	mg/Kg wet	1.67		71.9	40-140			
Di-n-octylphthalate	1.20	0.66	mg/Kg wet	1.67		71.8	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	1.29	0.34	mg/Kg wet	1.67		77.2	40-140			
Fluoranthene	1.03	0.17	mg/Kg wet	1.67		62.0	40-140			
Fluorene	1.04	0.17	mg/Kg wet	1.67		62.4	40-140			
Hexachlorobenzene	1.20	0.34	mg/Kg wet	1.67		72.3	40-140			
Hexachlorobutadiene	1.36	0.34	mg/Kg wet	1.67		81.4	40-140			
Hexachloroethane	1.26	0.34	mg/Kg wet	1.67		75.7	40-140			
Indeno(1,2,3-cd)pyrene	1.37	0.17	mg/Kg wet	1.67		82.4	40-140			
Isophorone	1.24	0.34	mg/Kg wet	1.67		74.7	40-140			
2-Methylnaphthalene	1.08	0.17	mg/Kg wet	1.67		64.7	40-140			
2-Methylphenol	1.06	0.34	mg/Kg wet	1.67		63.9	30-130			
3/4-Methylphenol	0.995	0.34	mg/Kg wet	1.67		59.7	30-130			
Naphthalene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140			
Nitrobenzene	1.15	0.34	mg/Kg wet	1.67		69.1	40-140			
2-Nitrophenol	1.15	0.34	mg/Kg wet	1.67		68.9	30-130			
4-Nitrophenol	0.931	0.66	mg/Kg wet	1.67		55.9	30-130			
Pentachlorophenol	1.20	0.34	mg/Kg wet	1.67		72.3	30-130			
Phenanthrene	1.10	0.17	mg/Kg wet	1.67		65.9	40-140			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B014602 - SW-846 3546											
LCS (B014602-BS1)				Prepared & Analyzed: 06/07/10							
Phenol	1.11	0.34	mg/Kg wet	1.67		66.4	30-130				
Pyrene	1.08	0.17	mg/Kg wet	1.67		64.6	40-140				
1,2,4-Trichlorobenzene	1.29	0.34	mg/Kg wet	1.67		77.5	40-140				
2,4,5-Trichlorophenol	0.800	0.34	mg/Kg wet	1.67		48.0	30-130				
2,4,6-Trichlorophenol	1.24	0.34	mg/Kg wet	1.67		74.7	30-130				
Surrogate: 2-Fluorophenol	*5.57*		mg/Kg wet	6.67		83.6	30-130				
Surrogate: Phenol-d6	*5.47*		mg/Kg wet	6.67		82.1	30-130				
Surrogate: Nitrobenzene-d5	*2.43*		mg/Kg wet	3.33		72.8	30-130				
Surrogate: 2-Fluorobiphenyl	*2.73*		mg/Kg wet	3.33		82.0	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.20*		mg/Kg wet	6.67		78.0	30-130				
Surrogate: Terphenyl-d14	*2.65*		mg/Kg wet	3.33		79.4	30-130				
LCS Dup (B014602-BSD1)				Prepared & Analyzed: 06/07/10							
Acenaphthene	1.14	0.17	mg/Kg wet	1.67		68.4	40-140	4.03	30		
Acenaphthylene	1.14	0.17	mg/Kg wet	1.67		68.6	40-140	4.81	30		
Acetophenone	0.571	0.34	mg/Kg wet	0.833		68.5	40-140	2.90	30		
Aniline	0.911	0.34	mg/Kg wet	1.67		54.6	10-140	10.6	50		† ‡
Anthracene	1.15	0.17	mg/Kg wet	1.67		68.8	40-140	5.04	30		
Benzo(a)anthracene	1.21	0.17	mg/Kg wet	1.67		72.8	40-140	3.61	30		
Benzo(a)pyrene	1.25	0.17	mg/Kg wet	1.67		74.8	40-140	3.07	30		
Benzo(b)fluoranthene	1.05	0.17	mg/Kg wet	1.67		63.3	40-140	0.380	30		
Benzo(g,h,i)perylene	1.29	0.17	mg/Kg wet	1.67		77.6	40-140	0.155	30		
Benzo(k)fluoranthene	1.17	0.17	mg/Kg wet	1.67		70.1	40-140	2.83	30		
Bis(2-chloroethoxy)methane	1.23	0.34	mg/Kg wet	1.67		73.7	40-140	2.64	30		
Bis(2-chloroethyl)ether	1.20	0.34	mg/Kg wet	1.67		72.1	40-140	5.21	30		
Bis(2-chloroisopropyl)ether	1.16	0.34	mg/Kg wet	1.67		69.8	40-140	4.10	30		
Bis(2-Ethylhexyl)phthalate	1.38	0.34	mg/Kg wet	1.67		82.7	40-140	8.03	30		
4-Bromophenylphenylether	1.28	0.34	mg/Kg wet	1.67		76.7	40-140	0.0522	30		
Butylbenzylphthalate	1.30	0.66	mg/Kg wet	1.67		78.2	40-140	9.46	30		
4-Chloroaniline	0.677	0.66	mg/Kg wet	1.67		40.6	10-140	5.98	30		†
2-Chloronaphthalene	1.10	0.34	mg/Kg wet	1.67		65.8	40-140	4.41	30		
2-Chlorophenol	1.23	0.34	mg/Kg wet	1.67		73.7	30-130	4.35	30		
Chrysene	1.21	0.17	mg/Kg wet	1.67		72.8	40-140	1.72	30		
Dibenz(a,h)anthracene	1.34	0.17	mg/Kg wet	1.67		80.2	40-140	1.49	30		
Dibenzofuran	1.16	0.34	mg/Kg wet	1.67		69.8	40-140	2.23	30		
Di-n-butylphthalate	1.18	0.34	mg/Kg wet	1.67		71.1	40-140	11.4	30		
1,2-Dichlorobenzene	1.31	0.34	mg/Kg wet	1.67		78.9	40-140	3.17	30		
1,3-Dichlorobenzene	1.29	0.34	mg/Kg wet	1.67		77.7	40-140	4.07	30		
1,4-Dichlorobenzene	1.31	0.34	mg/Kg wet	1.67		78.5	40-140	4.43	30		
3,3-Dichlorobenzidine	0.817	0.17	mg/Kg wet	1.67		49.0	20-140	5.24	50		† ‡
2,4-Dichlorophenol	1.19	0.34	mg/Kg wet	1.67		71.5	30-130	1.86	30		
Diethylphthalate	1.09	0.34	mg/Kg wet	1.67		65.3	40-140	4.10	30		
2,4-Dimethylphenol	1.20	0.34	mg/Kg wet	1.67		72.1	30-130	1.93	30		
Dimethylphthalate	1.21	0.66	mg/Kg wet	1.67		72.4	40-140	4.96	30		
2,4-Dinitrophenol	1.03	0.66	mg/Kg wet	1.67		62.0	30-130	6.00	30	V-19	
2,4-Dinitrotoluene	1.03	0.34	mg/Kg wet	1.67		61.7	40-140	4.54	30		
2,6-Dinitrotoluene	1.21	0.34	mg/Kg wet	1.67		72.5	40-140	0.886	30		
Di-n-octylphthalate	1.17	0.66	mg/Kg wet	1.67		70.1	40-140	2.45	30		
1,2-Diphenylhydrazine (as Azobenzene)	1.33	0.34	mg/Kg wet	1.67		79.8	40-140	3.34	30		
Fluoranthene	1.17	0.17	mg/Kg wet	1.67		70.1	40-140	12.3	30		
Fluorene	1.08	0.17	mg/Kg wet	1.67		64.7	40-140	3.59	30		
Hexachlorobenzene	1.23	0.34	mg/Kg wet	1.67		73.5	40-140	1.76	30		

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes	
Batch B014602 - SW-846 3546												
LCS Dup (B014602-BSD1)				Prepared & Analyzed: 06/07/10								
Hexachlorobutadiene	1.37	0.34	mg/Kg wet	1.67		82.1	40-140	0.905		30		
Hexachloroethane	1.34	0.34	mg/Kg wet	1.67		80.4	40-140	5.97		30		
Indeno(1,2,3-cd)pyrene	1.35	0.17	mg/Kg wet	1.67		80.7	40-140	2.08		30		
Isophorone	1.25	0.34	mg/Kg wet	1.67		75.0	40-140	0.401		30		
2-Methylnaphthalene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	1.41		30		
2-Methylphenol	1.09	0.34	mg/Kg wet	1.67		65.6	30-130	2.66		30		
3/4-Methylphenol	0.981	0.34	mg/Kg wet	1.67		58.9	30-130	1.38		30		
Naphthalene	1.15	0.17	mg/Kg wet	1.67		69.1	40-140	3.80		30		
Nitrobenzene	1.20	0.34	mg/Kg wet	1.67		72.2	40-140	4.42		30		
2-Nitrophenol	1.17	0.34	mg/Kg wet	1.67		70.5	30-130	2.27		30		
4-Nitrophenol	1.02	0.66	mg/Kg wet	1.67		61.2	30-130	9.09		50		‡
Pentachlorophenol	1.16	0.34	mg/Kg wet	1.67		69.6	30-130	3.75		30		
Phenanthrene	1.13	0.17	mg/Kg wet	1.67		68.0	40-140	3.17		30		
Phenol	1.11	0.34	mg/Kg wet	1.67		66.9	30-130	0.750		30		
Pyrene	1.16	0.17	mg/Kg wet	1.67		69.8	40-140	7.73		30		
1,2,4-Trichlorobenzene	1.32	0.34	mg/Kg wet	1.67		78.9	40-140	1.82		30		
2,4,5-Trichlorophenol	1.22	0.34	mg/Kg wet	1.67		73.4	30-130	**41.9**	*	30	R-05, S-07	
2,4,6-Trichlorophenol	1.27	0.34	mg/Kg wet	1.67		76.4	30-130	2.20		30		
Surrogate: 2-Fluorophenol	*5.66*		mg/Kg wet	6.67		84.9	30-130					
Surrogate: Phenol-d6	*5.52*		mg/Kg wet	6.67		82.9	30-130					
Surrogate: Nitrobenzene-d5	*2.49*		mg/Kg wet	3.33		74.7	30-130					
Surrogate: 2-Fluorobiphenyl	*2.77*		mg/Kg wet	3.33		83.2	30-130					
Surrogate: 2,4,6-Tribromophenol	*5.15*		mg/Kg wet	6.67		77.3	30-130					
Surrogate: Terphenyl-d14	*2.79*		mg/Kg wet	3.33		83.7	30-130					

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014423 - SW-846 3546										
Blank (B014423-BLK1)				Prepared: 06/02/10 Analyzed: 06/03/10						
Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.151*		mg/Kg wet	0.200		75.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.128*		mg/Kg wet	0.200		63.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.132*		mg/Kg wet	0.200		65.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.122*		mg/Kg wet	0.200		61.1	30-150			
LCS (B014423-BS1)				Prepared: 06/02/10 Analyzed: 06/03/10						
Aroclor-1016	0.16	0.10	mg/Kg wet	0.200		78.0	40-140			
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		97.8	40-140			
Aroclor-1260	0.18	0.10	mg/Kg wet	0.200		91.6	40-140			
Aroclor-1260 [2C]	0.18	0.10	mg/Kg wet	0.200		88.6	40-140			
Surrogate: Decachlorobiphenyl	*0.190*		mg/Kg wet	0.200		94.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.161*		mg/Kg wet	0.200		80.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.172*		mg/Kg wet	0.200		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.153*		mg/Kg wet	0.200		76.6	30-150			
LCS Dup (B014423-BSD1)				Prepared: 06/02/10 Analyzed: 06/03/10						
Aroclor-1016	0.16	0.10	mg/Kg wet	0.200		79.0	40-140	1.29	30	
Aroclor-1016 [2C]	0.19	0.10	mg/Kg wet	0.200		93.9	40-140	4.11	30	
Aroclor-1260	0.17	0.10	mg/Kg wet	0.200		83.3	40-140	9.52	30	
Aroclor-1260 [2C]	0.16	0.10	mg/Kg wet	0.200		81.5	40-140	8.30	30	
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg wet	0.200		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.152*		mg/Kg wet	0.200		75.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.161*		mg/Kg wet	0.200		80.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.145*		mg/Kg wet	0.200		72.5	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014434 - SW-846 3546										
Blank (B014434-BLK1)				Prepared: 06/02/10 Analyzed: 06/03/10						
TPH as Diesel	ND	8.3	mg/Kg wet							
LCS (B014434-BS1)				Prepared: 06/02/10 Analyzed: 06/03/10						
TPH as Diesel	28.3	8.3	mg/Kg wet	33.3		84.9	40-140			
LCS Dup (B014434-BSD1)				Prepared: 06/02/10 Analyzed: 06/03/10						
TPH as Diesel	26.1	8.3	mg/Kg wet	33.3		78.4	40-140	7.97	30	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B014465 - SW-846 3050B											
Blank (B014465-BLK1)				Prepared: 06/02/10 Analyzed: 06/03/10							
Arsenic	ND	2.5	mg/Kg wet								
Barium	ND	2.5	mg/Kg wet								
Cadmium	ND	0.25	mg/Kg wet								
Chromium	ND	0.50	mg/Kg wet								
Lead	ND	0.75	mg/Kg wet								
Selenium	ND	5.0	mg/Kg wet								
Silver	ND	0.50	mg/Kg wet								
LCS (B014465-BS1)				Prepared: 06/02/10 Analyzed: 06/03/10							
Arsenic	53.3	2.5	mg/Kg wet	53.3		100		81.6-118.4			
Barium	168	2.5	mg/Kg wet	165		102		80.7-119.3			
Cadmium	114	0.25	mg/Kg wet	122		93.8		82.4-117.6			
Chromium	39.0	0.50	mg/Kg wet	40.1		97.2		78.8-120.7			
Lead	49.4	0.75	mg/Kg wet	53.3		92.7		79.1-120.3			
Selenium	88.9	5.0	mg/Kg wet	88.1		101		78.4-120.9			
Silver	20.4	0.50	mg/Kg wet	23.0		88.6		66.2-133.6			
LCS (B014465-BS2)				Prepared: 06/02/10 Analyzed: 06/03/10							
Lead	0.790	0.75	mg/Kg wet	0.750		105		79.1-120.3			
LCS Dup (B014465-BSD1)				Prepared: 06/02/10 Analyzed: 06/03/10							
Arsenic	55.6	2.5	mg/Kg wet	53.3		104		81.6-118.4	4.29	30	
Barium	170	2.5	mg/Kg wet	165		103		80.7-119.3	0.714	30	
Cadmium	124	0.25	mg/Kg wet	122		102		82.4-117.6	8.74	30	
Chromium	41.3	0.50	mg/Kg wet	40.1		103		78.8-120.7	5.73	30	
Lead	49.9	0.75	mg/Kg wet	53.3		93.5		79.1-120.3	0.882	30	
Selenium	94.8	5.0	mg/Kg wet	88.2		108		78.4-120.9	6.48	30	
Silver	21.4	0.50	mg/Kg wet	23.0		93.1		66.2-133.6	4.98	30	
Duplicate (B014465-DUP1)		**Source: 10E0734-01**		Prepared: 06/02/10 Analyzed: 06/03/10							
Arsenic	19.4	2.7	mg/Kg dry		18.1				6.94	35	
Barium	367	2.7	mg/Kg dry		297				21.0	35	
Cadmium	1.38	0.27	mg/Kg dry		1.57				13.0	35	
Chromium	25.5	0.53	mg/Kg dry		26.9				5.41	35	
Lead	558	0.80	mg/Kg dry		666				17.7	35	
Selenium	ND	5.3	mg/Kg dry		ND				NC	35	
Silver	ND	0.53	mg/Kg dry		ND				NC	35	
Matrix Spike (B014465-MS1)		**Source: 10E0734-01**		Prepared: 06/02/10 Analyzed: 06/03/10							
Arsenic	45.7	2.7	mg/Kg dry	26.6	18.1	104		75-125			
Barium	455	2.7	mg/Kg dry	26.6	297	**591**	*	75-125			MS-19
Cadmium	27.9	0.27	mg/Kg dry	26.6	1.57	98.9		75-125			
Chromium	51.9	0.53	mg/Kg dry	26.6	26.9	93.8		75-125			
Lead	1140	0.80	mg/Kg dry	26.6	666	**1760**	*	75-125			MS-19
Selenium	11.6	5.3	mg/Kg dry	26.6	ND	**43.4**	*	75-125			MS-07
Silver	27.9	0.53	mg/Kg dry	26.6	ND	105		75-125			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014478 - SW-846 7471A										
Blank (B014478-BLK1)				Prepared & Analyzed: 06/03/10						
Mercury	ND	0.025	mg/Kg wet							
LCS (B014478-BS1)				Prepared & Analyzed: 06/03/10						
Mercury	1.09	0.025	mg/Kg wet	1.07		102	66-132			
LCS Dup (B014478-BSD1)				Prepared & Analyzed: 06/03/10						
Mercury	1.19	0.025	mg/Kg wet	1.05		114	66-132	8.81	30	

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B014436 - SM18-20 2510B										
Blank (B014436-BLK1)				Prepared & Analyzed: 06/02/10						
Specific conductance	ND	2.0	µmhos/cm							
LCS (B014436-BS1)				Prepared & Analyzed: 06/02/10						
Specific conductance	130	2.0	µmhos/cm	147		89.5	83.2-102			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
MS-07	Matrix spike recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of sample matrix effects that lead to low bias for reported result or non-homogeneous sample aliquot cannot be eliminated.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
S-05	More than one surrogate standard recovery for the associated fraction is outside of control limits or any one surrogate recovery is < 10%. All reported acid fraction data is estimated.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.
Z-01	Sample was re-extracted with similar surrogate non-conformance, matrxi interference confirmed, both results reported per MCP criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010B in Soil	
Arsenic	CT,NH,NY
Barium	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY
Lead	CT,NH,NY,AIHA
Selenium	CT,NH,NY,NC
Silver	CT,NH,NY,NC
SW-846 7471A in Soil	
Mercury	CT,NH,NY
SW-846 8082 in Soil	
Aroclor-1016	CT,NH,NY
Aroclor-1016 [2C]	CT,NH,NY
Aroclor-1221	CT,NH,NY
Aroclor-1221 [2C]	CT,NH,NY
Aroclor-1232	CT,NH,NY
Aroclor-1232 [2C]	CT,NH,NY
Aroclor-1242	CT,NH,NY
Aroclor-1242 [2C]	CT,NH,NY
Aroclor-1248	CT,NH,NY
Aroclor-1248 [2C]	CT,NH,NY
Aroclor-1254	CT,NH,NY
Aroclor-1254 [2C]	CT,NH,NY
Aroclor-1260	CT,NH,NY
Aroclor-1260 [2C]	CT,NH,NY
SW-846 8260B in Soil	
Acetone	CT,NH,NY
Benzene	CT,NH,NY
Bromobenzene	NH,NY
Bromochloromethane	NH,NY
Bromodichloromethane	CT,NH,NY
Bromoform	CT,NH,NY
Bromomethane	CT,NH,NY
2-Butanone (MEK)	CT,NH,NY
n-Butylbenzene	CT,NH,NY
sec-Butylbenzene	CT,NH,NY
tert-Butylbenzene	CT,NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY
Chlorobenzene	CT,NH,NY
Chlorodibromomethane	CT,NH,NY
Chloroethane	CT,NH,NY
Chloroform	CT,NH,NY
Chloromethane	CT,NH,NY
2-Chlorotoluene	CT,NH,NY
4-Chlorotoluene	CT,NH,NY
Dibromomethane	NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
1,2-Dichlorobenzene	CT,NH,NY
1,3-Dichlorobenzene	CT,NH,NY
1,4-Dichlorobenzene	CT,NH,NY
Dichlorodifluoromethane (Freon 12)	NY
1,1-Dichloroethane	CT,NH,NY
1,2-Dichloroethane	CT,NH,NY
1,1-Dichloroethylene	CT,NH,NY
cis-1,2-Dichloroethylene	CT,NH,NY
trans-1,2-Dichloroethylene	CT,NH,NY
1,2-Dichloropropane	CT,NH,NY
1,3-Dichloropropane	NH,NY
2,2-Dichloropropane	NH,NY
1,1-Dichloropropene	NH,NY
cis-1,3-Dichloropropene	CT,NH,NY
trans-1,3-Dichloropropene	CT,NH,NY
Ethylbenzene	CT,NH,NY
Hexachlorobutadiene	NH,NY
2-Hexanone (MBK)	CT,NH,NY
Isopropylbenzene (Cumene)	CT,NH,NY
Methylene Chloride	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY
Styrene	CT,NH,NY
1,1,1,2-Tetrachloroethane	CT,NH,NY
1,1,2,2-Tetrachloroethane	CT,NH,NY
Tetrachloroethylene	CT,NH,NY
Toluene	CT,NH,NY
1,2,4-Trichlorobenzene	NH,NY
1,1,1-Trichloroethane	CT,NH,NY
1,1,2-Trichloroethane	CT,NH,NY
Trichloroethylene	CT,NH,NY
Trichlorofluoromethane (Freon 11)	CT,NH,NY
1,2,3-Trichloropropane	NH,NY
1,2,4-Trimethylbenzene	CT,NH,NY
1,3,5-Trimethylbenzene	CT,NH,NY
Vinyl Chloride	CT,NH,NY
m+p Xylene	CT,NH,NY
o-Xylene	CT,NH,NY
SW-846 8270C in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270C in Soil	
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
1,2-Diphenylhydrazine (as Azobenzene)	NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270C in Soil	
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	02/23/2011

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Email: info@contestlabs.com
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CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

Page 1 of 1

10E0733-34

Company Name: Triumvirate Environmental, Inc.
Address: 61 Innerbelt Road, Somerville MA 02143
Attention: Jason Atwood
Project Location: Danvers
Sampled By: TOM Dykstra

Telephone: 617 628 8098
Project #: 66698
Client PO#:

DATA DELIVERY (check all that apply): O FAX ◉ EMAIL O WEBSITE
Fax #:
Email: jatwood@ triumvirate.com
Format: ◉ PDF O EXCEL O GIS O OTHER ____ O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes) O yes ____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	RCRA 8 Metals	Lead TCLP	TPH 8100	PCBs	8270	8260	Conductivity				
	# of Containers							1	1	1	1	1	1	1				
	** Preservation							i	i	i	i	i	m	i				
	***Container Code																	
-01	Characterization 6							✓	✓	✓	✓	✓	✓	✓				
-02	TCLP 1a								✓									
-03	TCLP 2a								✓									
-04	TCLP 3a								✓									
-05	TCLP 4a								✓									
-06	TCLP 5a								✓									
-07	TCLP 6a								✓									

Dissolved Metals: O Field Filtered O Lab to Filter

***Cont. Code: A=amber glass, G=glass, P=plastic, ST=sterile, V= vial, S=summa can, T=tedlar bag, O=Other

**Preservation: I = Iced, H = HCL, M = Methanol, N = Nitric Acid, S = Sulfuric Acid, B = Sodium bisulfate, X = Na hydroxide, T = Na thiosulfate, O = Other____

*Matrix Code: GW= groundwater, WW= wastewater, DW= drinking water, A = air, S = soil/solid, SL = sludge, O = other____

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Comments: *please rush all lead TCLP samples (48hr) (7 total). All other analysis on (Characterization 6) on 5 DAY TAT. 5/28/10 1810 5.0

Relinquished by: (signature)	Date/Time: 5/27 sampling
Received by: (signature)	Date/Time: 5/28 8:00am
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 5-28-10 1:06
Relinquished by: (signature)	Date/Time: 5-28-10 1830

Turnaround ††: O 7-Day, ◉ 10-Day, O Other ____
RUSH †: O †24-Hr ◉ †48-Hr O †72-Hr O †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
◉ MCP Form Required
O RCP Form Required
O MA State DW Form Required PWSID # ____

NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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con-test® ANALYTICAL LABORATORY

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East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: Trillium Vivrale RECEIVED BY: CEC DATE: 5/28/10

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

Were the samples received in Temperature Compliance of (2-6°C)? Yes No

Temperature °C by Temp blank 5.0 Temperature °C by Temp gun _____

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes No Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber	1	8 oz ~~clear~~ amber jar	6
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below	1	Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 1

Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

Do all samples have the proper pH: Yes No N/A

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Con-Test Analytical Laboratory	Project #:	10E0734
Project Location:	Danvers	MADEP RTN1[1]:	

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

10E0734-01

Sample Matrices: Soil

MCP SW-846 Methods Used					
	8260B (X)	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 (X)	8021B ( )	EPH ( )	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M -- SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S -- SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☑ Yes	☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☑ Yes	☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
D	VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☐ Yes	☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes	☑ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☑ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:		Position:	Laboratory Director
Printed Name:	Michael A. Erickson	Date:	06/09/10

ANALYTICAL REPORT

Lab Number:	L1006694
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER ROAD
Project Number:	169909
Report Date:	05/14/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006694
Report Date: 05/14/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006694-01	GRUB-E	NEW BEDFORD, MA	05/06/10 14:20
L1006694-02	GRUB-W	NEW BEDFORD, MA	05/06/10 14:50
L1006694-03	TRIP BLANK	NEW BEDFORD, MA	05/06/10 00:00

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006694
Project Number:	169909	**Report Date:**	05/14/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 246 RIVER ROAD **Lab Number:** L1006694
Project Number: 169909 **Report Date:** 05/14/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Report Submission

The results for sample "PX-2B-4B" were issued under separate cover.

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question G:

Carbon disulfide and Tetrahydrofuran did not achieve the requested CAM reporting limits.

Project Name: 246 RIVER ROAD **Lab Number:** L1006694
Project Number: 169909 **Report Date:** 05/14/10

Case Narrative (continued)

In reference to question H:
The WG412325-2 LCSD recovery associated with L1006694-01, -02 and -03 was above the acceptance criteria for 1,1-Dichloroethene (137%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.
The initial calibration, associated with L1006694-01, -02 and -03 utilized a quadratic fit for Bromomethane and 1,4-Dioxane.
The continuing calibration standard, associated with L1006694-01, -02 and -03 is outside the acceptance criteria for one compound; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Semivolatile Organics
In reference to question G:
Acetophenone did not achieve the requested CAM reporting limits.
In reference to question H:
The WG412212-2/-3 LCS/LCSD recoveries, associated with L1006694-01 and -02, are below the individual acceptance criteria for Aniline (33%/33%), but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

PCB
In reference to question H:
The WG412237-2/-3 LCS/LCSD RPD associated with L1006694-01 and -02 is above the acceptance criteria for Aroclor 1016 (37%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated samples are reported.

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006694
Project Number:	169909	**Report Date:**	05/14/10

Case Narrative (continued)

Metals

LCS/LCSD SRM Lot #: ERA D066-540

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 05/14/10

ORGANICS

VOLATILES

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006694-01	Date Collected:	05/06/10 14:20
Client ID:	GRUB-E	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	05/10/10 13:24		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.9	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.69	--	1
1,2-Dichloropropane	ND		ug/kg	2.4	--	1
Dibromochloromethane	ND		ug/kg	0.69	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.69	--	1
Chlorobenzene	ND		ug/kg	0.69	--	1
Trichlorofluoromethane	ND		ug/kg	3.5	--	1
1,2-Dichloroethane	ND		ug/kg	0.69	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.69	--	1
Bromodichloromethane	ND		ug/kg	0.69	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.69	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.69	--	1
1,1-Dichloropropene	ND		ug/kg	3.5	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.69	--	1
Benzene	ND		ug/kg	0.69	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	0.69	--	1
Chloromethane	ND		ug/kg	3.5	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	1.4	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.69	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Trichloroethene	ND		ug/kg	0.69	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.5	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID: L1006694-01 Date Collected: 05/06/10 14:20

Client ID: GRUB-E Date Received: 05/06/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	3.5	--	1
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	1.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.69	--	1
Dibromomethane	ND		ug/kg	6.9	--	1
1,2,3-Trichloropropane	ND		ug/kg	6.9	--	1
Styrene	ND		ug/kg	1.4	--	1
Dichlorodifluoromethane	ND		ug/kg	6.9	--	1
Acetone	ND		ug/kg	25	--	1
Carbon disulfide	ND		ug/kg	35	--	1
2-Butanone	ND		ug/kg	6.9	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.9	--	1
2-Hexanone	ND		ug/kg	6.9	--	1
Bromochloromethane	ND		ug/kg	3.5	--	1
Tetrahydrofuran	ND		ug/kg	14	--	1
2,2-Dichloropropane	ND		ug/kg	3.5	--	1
1,2-Dibromoethane	ND		ug/kg	2.8	--	1
1,3-Dichloropropane	ND		ug/kg	3.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.69	--	1
Bromobenzene	ND		ug/kg	3.5	--	1
n-Butylbenzene	ND		ug/kg	0.69	--	1
sec-Butylbenzene	ND		ug/kg	0.69	--	1
tert-Butylbenzene	ND		ug/kg	3.5	--	1
o-Chlorotoluene	ND		ug/kg	3.5	--	1
p-Chlorotoluene	ND		ug/kg	3.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	--	1
Hexachlorobutadiene	ND		ug/kg	3.5	--	1
Isopropylbenzene	ND		ug/kg	0.69	--	1
p-Isopropyltoluene	ND		ug/kg	0.69	--	1
Naphthalene	ND		ug/kg	3.5	--	1
n-Propylbenzene	ND		ug/kg	0.69	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.5	--	1
Ethyl ether	ND		ug/kg	3.5	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006694-01	Date Collected:	05/06/10 14:20
Client ID:	GRUB-E	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	2.8	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.8	--	1
1,4-Dioxane	ND		ug/kg	350	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	101		70-130

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006694-02	Date Collected:	05/06/10 14:50
Client ID:	GRUB-W	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	05/10/10 13:53		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.9	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.79	--	1
1,2-Dichloropropane	ND		ug/kg	2.8	--	1
Dibromochloromethane	ND		ug/kg	0.79	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.79	--	1
Chlorobenzene	ND		ug/kg	0.79	--	1
Trichlorofluoromethane	ND		ug/kg	3.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.79	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.79	--	1
Bromodichloromethane	ND		ug/kg	0.79	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.79	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.79	--	1
1,1-Dichloropropene	ND		ug/kg	3.9	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.79	--	1
Benzene	ND		ug/kg	0.79	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.79	--	1
Chloromethane	ND		ug/kg	3.9	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.79	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Trichloroethene	ND		ug/kg	0.79	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.9	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.9	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID: L1006694-02 Date Collected: 05/06/10 14:50

Client ID: GRUB-W Date Received: 05/06/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	3.9	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.79	--	1
Dibromomethane	ND		ug/kg	7.9	--	1
1,2,3-Trichloropropane	ND		ug/kg	7.9	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	7.9	--	1
Acetone	ND		ug/kg	28	--	1
Carbon disulfide	ND		ug/kg	39	--	1
2-Butanone	ND		ug/kg	7.9	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.9	--	1
2-Hexanone	ND		ug/kg	7.9	--	1
Bromochloromethane	ND		ug/kg	3.9	--	1
Tetrahydrofuran	ND		ug/kg	16	--	1
2,2-Dichloropropane	ND		ug/kg	3.9	--	1
1,2-Dibromoethane	ND		ug/kg	3.2	--	1
1,3-Dichloropropane	ND		ug/kg	3.9	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.79	--	1
Bromobenzene	ND		ug/kg	3.9	--	1
n-Butylbenzene	ND		ug/kg	0.79	--	1
sec-Butylbenzene	ND		ug/kg	0.79	--	1
tert-Butylbenzene	ND		ug/kg	3.9	--	1
o-Chlorotoluene	ND		ug/kg	3.9	--	1
p-Chlorotoluene	ND		ug/kg	3.9	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	--	1
Hexachlorobutadiene	ND		ug/kg	3.9	--	1
Isopropylbenzene	ND		ug/kg	0.79	--	1
p-Isopropyltoluene	ND		ug/kg	0.79	--	1
Naphthalene	ND		ug/kg	3.9	--	1
n-Propylbenzene	ND		ug/kg	0.79	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.9	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.9	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.9	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.9	--	1
Ethyl ether	ND		ug/kg	3.9	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006694-02	Date Collected:	05/06/10 14:50
Client ID:	GRUB-W	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	3.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.2	--	1
1,4-Dioxane	ND		ug/kg	390	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	102		70-130

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006694-03	Date Collected:	05/06/10 00:00
Client ID:	TRIP BLANK	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	05/10/10 14:21		
Analyst:	BN		
Percent Solids:	Results reported on an 'AS RECEIVED' basis.		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
Trichlorofluoromethane	ND		ug/kg	5.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	--	1
Bromodichloromethane	ND		ug/kg	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
1,1-Dichloropropene	ND		ug/kg	5.0	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Benzene	ND		ug/kg	1.0	--	1
Toluene	ND		ug/kg	1.5	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	5.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	2.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
Trichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID: L1006694-03 Date Collected: 05/06/10 00:00

Client ID: TRIP BLANK Date Received: 05/06/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	2.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	10	--	1
1,2,3-Trichloropropane	ND		ug/kg	10	--	1
Styrene	ND		ug/kg	2.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	36	--	1
Carbon disulfide	ND		ug/kg	50	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	5.0	--	1
Tetrahydrofuran	ND		ug/kg	20	--	1
2,2-Dichloropropane	ND		ug/kg	5.0	--	1
1,2-Dibromoethane	ND		ug/kg	4.0	--	1
1,3-Dichloropropane	ND		ug/kg	5.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Bromobenzene	ND		ug/kg	5.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	5.0	--	1
o-Chlorotoluene	ND		ug/kg	5.0	--	1
p-Chlorotoluene	ND		ug/kg	5.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--	1
Hexachlorobutadiene	ND		ug/kg	5.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	5.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--	1
Ethyl ether	ND		ug/kg	5.0	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006694-03	Date Collected:	05/06/10 00:00
Client ID:	TRIP BLANK	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	4.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--	1
1,4-Dioxane	ND		ug/kg	500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/10/10 08:41
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-03 Batch: WG412325-3					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	5.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	5.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	5.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--
1,2-Dichlorobenzene	ND		ug/kg	5.0	--
1,3-Dichlorobenzene	ND		ug/kg	5.0	--

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/10/10 08:41
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-03 Batch: WG412325-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	10	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	50	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	5.0	--
Tetrahydrofuran	ND		ug/kg	20	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	5.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	5.0	--
o-Chlorotoluene	ND		ug/kg	5.0	--
p-Chlorotoluene	ND		ug/kg	5.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--
Hexachlorobutadiene	ND		ug/kg	5.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/10/10 08:41
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-03 Batch: WG412325-3					
Naphthalene	ND		ug/kg	5.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--
Ethyl ether	ND		ug/kg	5.0	--
Isopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006694
Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG412325-1 WG412325-2								
Methylene chloride	98		106		70-130	8		20
1,1-Dichloroethane	98		108		70-130	10		20
Chloroform	99		108		70-130	9		20
Carbon tetrachloride	91		102		70-130	11		20
1,2-Dichloropropane	100		106		70-130	6		20
Dibromochloromethane	91		96		70-130	5		20
1,1,2-Trichloroethane	94		99		70-130	5		20
Tetrachloroethene	85		92		70-130	8		20
Chlorobenzene	88		96		70-130	9		20
Trichlorofluoromethane	105		121		70-130	14		20
1,2-Dichloroethane	104		111		70-130	7		20
1,1,1-Trichloroethane	96		105		70-130	9		20
Bromodichloromethane	102		110		70-130	8		20
trans-1,3-Dichloropropene	99		104		70-130	5		20
cis-1,3-Dichloropropene	92		98		70-130	6		20
1,1-Dichloropropene	92		102		70-130	10		20
Bromoform	91		95		70-130	4		20
1,1,2,2-Tetrachloroethane	93		101		70-130	8		20
Benzene	96		106		70-130	10		20
Toluene	85		92		70-130	8		20
Ethylbenzene	93		102		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1006694
Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG412325-1 WG412325-2								
Chloromethane	93		101		70-130	8		20
Bromomethane	98		113		70-130	14		20
Vinyl chloride	91		102		70-130	11		20
Chloroethane	118		130		70-130	10		20
1,1-Dichloroethene	127		**137**	Q	70-130	8		20
trans-1,2-Dichloroethene	96		106		70-130	10		20
Trichloroethene	94		102		70-130	8		20
1,2-Dichlorobenzene	94		100		70-130	6		20
1,3-Dichlorobenzene	90		98		70-130	9		20
1,4-Dichlorobenzene	92		99		70-130	7		20
Methyl tert butyl ether	94		101		70-130	7		20
p/m-Xylene	95		103		70-130	8		20
o-Xylene	94		102		70-130	8		20
cis-1,2-Dichloroethene	101		111		70-130	9		20
Dibromomethane	98		106		70-130	8		20
1,2,3-Trichloropropane	94		100		70-130	6		20
Styrene	91		98		70-130	7		20
Dichlorodifluoromethane	90		104		70-130	14		20
Acetone	98		108		70-130	10		20
Carbon disulfide	81		93		70-130	14		20
2-Butanone	110		117		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1006694
Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG412325-1 WG412325-2								
4-Methyl-2-pentanone	112		122		70-130	9		20
2-Hexanone	109		116		70-130	6		20
Bromochloromethane	96		104		70-130	8		20
Tetrahydrofuran	97		106		70-130	9		20
2,2-Dichloropropane	98		109		70-130	11		20
1,2-Dibromoethane	94		100		70-130	6		20
1,3-Dichloropropane	95		101		70-130	6		20
1,1,1,2-Tetrachloroethane	96		103		70-130	7		20
Bromobenzene	92		99		70-130	7		20
n-Butylbenzene	92		102		70-130	10		20
sec-Butylbenzene	87		96		70-130	10		20
tert-Butylbenzene	86		96		70-130	11		20
o-Chlorotoluene	90		99		70-130	10		20
p-Chlorotoluene	96		104		70-130	8		20
1,2-Dibromo-3-chloropropane	94		93		70-130	1		20
Hexachlorobutadiene	87		96		70-130	10		20
Isopropylbenzene	87		96		70-130	10		20
p-Isopropyltoluene	90		100		70-130	11		20
Naphthalene	91		98		70-130	7		20
n-Propylbenzene	88		98		70-130	11		20
1,2,3-Trichlorobenzene	93		100		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1006694
Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG412325-1 WG412325-2								
1,2,4-Trichlorobenzene	96		104		70-130	8		20
1,3,5-Trimethylbenzene	91		100		70-130	9		20
1,2,4-Trimethylbenzene	91		101		70-130	10		20
Ethyl ether	98		108		70-130	10		20
Isopropyl Ether	98		108		70-130	10		20
Ethyl-Tert-Butyl-Ether	98		105		70-130	7		20
Tertiary-Amyl Methyl Ether	99		106		70-130	7		20
1,4-Dioxane	118		127		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		103		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	102		102		70-130

SEMIVOLATILES

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006694-01	Date Collected:	05/06/10 14:20
Client ID:	GRUB-E	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	05/10/10 18:00
Analytical Date:	05/13/10 16:38		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	370	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	370	--	1
Hexachlorobenzene	ND		ug/kg	370	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	370	--	1
2-Chloronaphthalene	ND		ug/kg	370	--	1
1,2-Dichlorobenzene	ND		ug/kg	370	--	1
1,3-Dichlorobenzene	ND		ug/kg	370	--	1
1,4-Dichlorobenzene	ND		ug/kg	370	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	750	--	1
2,4-Dinitrotoluene	ND		ug/kg	370	--	1
2,6-Dinitrotoluene	ND		ug/kg	370	--	1
Azobenzene	ND		ug/kg	370	--	1
Fluoranthene	ND		ug/kg	370	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	370	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	370	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	--	1
Hexachlorobutadiene	ND		ug/kg	750	--	1
Hexachloroethane	ND		ug/kg	370	--	1
Isophorone	ND		ug/kg	370	--	1
Naphthalene	ND		ug/kg	370	--	1
Nitrobenzene	ND		ug/kg	370	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	750	--	1
Butyl benzyl phthalate	ND		ug/kg	370	--	1
Di-n-butylphthalate	ND		ug/kg	370	--	1
Di-n-octylphthalate	ND		ug/kg	370	--	1
Diethyl phthalate	ND		ug/kg	370	--	1
Dimethyl phthalate	ND		ug/kg	370	--	1
Benzo(a)anthracene	ND		ug/kg	370	--	1
Benzo(a)pyrene	ND		ug/kg	370	--	1
Benzo(b)fluoranthene	ND		ug/kg	370	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID: L1006694-01 Date Collected: 05/06/10 14:20

Client ID: GRUB-E Date Received: 05/06/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	ND		ug/kg	370	--	1
Chrysene	ND		ug/kg	370	--	1
Acenaphthylene	ND		ug/kg	370	--	1
Anthracene	ND		ug/kg	370	--	1
Benzo(ghi)perylene	ND		ug/kg	370	--	1
Fluorene	ND		ug/kg	370	--	1
Phenanthrene	ND		ug/kg	370	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	370	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	370	--	1
Pyrene	ND		ug/kg	370	--	1
Aniline	ND		ug/kg	750	--	1
4-Chloroaniline	ND		ug/kg	370	--	1
Dibenzofuran	ND		ug/kg	370	--	1
2-Methylnaphthalene	ND		ug/kg	370	--	1
Acetophenone	ND		ug/kg	1500	--	1
2,4,6-Trichlorophenol	ND		ug/kg	370	--	1
2-Chlorophenol	ND		ug/kg	450	--	1
2,4-Dichlorophenol	ND		ug/kg	750	--	1
2,4-Dimethylphenol	ND		ug/kg	370	--	1
2-Nitrophenol	ND		ug/kg	1500	--	1
4-Nitrophenol	ND		ug/kg	750	--	1
2,4-Dinitrophenol	ND		ug/kg	1500	--	1
Pentachlorophenol	ND		ug/kg	1500	--	1
Phenol	ND		ug/kg	520	--	1
2-Methylphenol	ND		ug/kg	450	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	450	--	1
2,4,5-Trichlorophenol	ND		ug/kg	370	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		30-130
Phenol-d6	78		30-130
Nitrobenzene-d5	68		30-130
2-Fluorobiphenyl	73		30-130
2,4,6-Tribromophenol	94		30-130
4-Terphenyl-d14	93		30-130

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006694-02	Date Collected:	05/06/10 14:50
Client ID:	GRUB-W	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	05/10/10 18:00
Analytical Date:	05/13/10 17:02		
Analyst:	PS		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	350	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	350	--	1
Hexachlorobenzene	ND		ug/kg	350	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	350	--	1
2-Chloronaphthalene	ND		ug/kg	350	--	1
1,2-Dichlorobenzene	ND		ug/kg	350	--	1
1,3-Dichlorobenzene	ND		ug/kg	350	--	1
1,4-Dichlorobenzene	ND		ug/kg	350	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	700	--	1
2,4-Dinitrotoluene	ND		ug/kg	350	--	1
2,6-Dinitrotoluene	ND		ug/kg	350	--	1
Azobenzene	ND		ug/kg	350	--	1
Fluoranthene	520		ug/kg	350	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	350	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	350	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	350	--	1
Hexachlorobutadiene	ND		ug/kg	700	--	1
Hexachloroethane	ND		ug/kg	350	--	1
Isophorone	ND		ug/kg	350	--	1
Naphthalene	ND		ug/kg	350	--	1
Nitrobenzene	ND		ug/kg	350	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	700	--	1
Butyl benzyl phthalate	ND		ug/kg	350	--	1
Di-n-butylphthalate	ND		ug/kg	350	--	1
Di-n-octylphthalate	ND		ug/kg	350	--	1
Diethyl phthalate	ND		ug/kg	350	--	1
Dimethyl phthalate	ND		ug/kg	350	--	1
Benzo(a)anthracene	ND		ug/kg	350	--	1
Benzo(a)pyrene	ND		ug/kg	350	--	1
Benzo(b)fluoranthene	350		ug/kg	350	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID: L1006694-02 Date Collected: 05/06/10 14:50

Client ID: GRUB-W Date Received: 05/06/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	ND		ug/kg	350	--	1
Chrysene	ND		ug/kg	350	--	1
Acenaphthylene	ND		ug/kg	350	--	1
Anthracene	ND		ug/kg	350	--	1
Benzo(ghi)perylene	ND		ug/kg	350	--	1
Fluorene	ND		ug/kg	350	--	1
Phenanthrene	ND		ug/kg	350	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	350	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	350	--	1
Pyrene	430		ug/kg	350	--	1
Aniline	ND		ug/kg	700	--	1
4-Chloroaniline	ND		ug/kg	350	--	1
Dibenzofuran	ND		ug/kg	350	--	1
2-Methylnaphthalene	ND		ug/kg	350	--	1
Acetophenone	ND		ug/kg	1400	--	1
2,4,6-Trichlorophenol	ND		ug/kg	350	--	1
2-Chlorophenol	ND		ug/kg	420	--	1
2,4-Dichlorophenol	ND		ug/kg	700	--	1
2,4-Dimethylphenol	ND		ug/kg	350	--	1
2-Nitrophenol	ND		ug/kg	1400	--	1
4-Nitrophenol	ND		ug/kg	700	--	1
2,4-Dinitrophenol	ND		ug/kg	1400	--	1
Pentachlorophenol	ND		ug/kg	1400	--	1
Phenol	ND		ug/kg	490	--	1
2-Methylphenol	ND		ug/kg	420	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	420	--	1
2,4,5-Trichlorophenol	ND		ug/kg	350	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	105		30-130
Phenol-d6	102		30-130
Nitrobenzene-d5	92		30-130
2-Fluorobiphenyl	93		30-130
2,4,6-Tribromophenol	108		30-130
4-Terphenyl-d14	103		30-130

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006694
Report Date: 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 05/11/10 15:28
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/10/10 18:00

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG412212-1					
Acenaphthene	ND		ug/kg	340	--
1,2,4-Trichlorobenzene	ND		ug/kg	340	--
Hexachlorobenzene	ND		ug/kg	340	--
Bis(2-chloroethyl)ether	ND		ug/kg	340	--
2-Chloronaphthalene	ND		ug/kg	340	--
1,2-Dichlorobenzene	ND		ug/kg	340	--
1,3-Dichlorobenzene	ND		ug/kg	340	--
1,4-Dichlorobenzene	ND		ug/kg	340	--
3,3'-Dichlorobenzidine	ND		ug/kg	670	--
2,4-Dinitrotoluene	ND		ug/kg	340	--
2,6-Dinitrotoluene	ND		ug/kg	340	--
Azobenzene	ND		ug/kg	340	--
Fluoranthene	ND		ug/kg	340	--
4-Bromophenyl phenyl ether	ND		ug/kg	340	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	340	--
Bis(2-chloroethoxy)methane	ND		ug/kg	340	--
Hexachlorobutadiene	ND		ug/kg	670	--
Hexachloroethane	ND		ug/kg	340	--
Isophorone	ND		ug/kg	340	--
Naphthalene	ND		ug/kg	340	--
Nitrobenzene	ND		ug/kg	340	--
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670	--
Butyl benzyl phthalate	ND		ug/kg	340	--
Di-n-butylphthalate	ND		ug/kg	340	--
Di-n-octylphthalate	ND		ug/kg	340	--
Diethyl phthalate	ND		ug/kg	340	--
Dimethyl phthalate	ND		ug/kg	340	--
Benzo(a)anthracene	ND		ug/kg	340	--
Benzo(a)pyrene	ND		ug/kg	340	--
Benzo(b)fluoranthene	ND		ug/kg	340	--
Benzo(k)fluoranthene	ND		ug/kg	340	--

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006694
Report Date: 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 05/11/10 15:28
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/10/10 18:00

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG412212-1					
Chrysene	ND		ug/kg	340	--
Acenaphthylene	ND		ug/kg	340	--
Anthracene	ND		ug/kg	340	--
Benzo(ghi)perylene	ND		ug/kg	340	--
Fluorene	ND		ug/kg	340	--
Phenanthrene	ND		ug/kg	340	--
Dibenzo(a,h)anthracene	ND		ug/kg	340	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	340	--
Pyrene	ND		ug/kg	340	--
Aniline	ND		ug/kg	670	--
4-Chloroaniline	ND		ug/kg	340	--
Dibenzofuran	ND		ug/kg	340	--
2-Methylnaphthalene	ND		ug/kg	340	--
Acetophenone	ND		ug/kg	1300	--
2,4,6-Trichlorophenol	ND		ug/kg	340	--
2-Chlorophenol	ND		ug/kg	400	--
2,4-Dichlorophenol	ND		ug/kg	670	--
2,4-Dimethylphenol	ND		ug/kg	340	--
2-Nitrophenol	ND		ug/kg	1300	--
4-Nitrophenol	ND		ug/kg	670	--
2,4-Dinitrophenol	ND		ug/kg	1300	--
Pentachlorophenol	ND		ug/kg	1300	--
Phenol	ND		ug/kg	470	--
2-Methylphenol	ND		ug/kg	400	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	400	--
2,4,5-Trichlorophenol	ND		ug/kg	340	--

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006694
Report Date: 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 05/11/10 15:28
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/10/10 18:00

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG412212-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		30-130
Phenol-d6	81		30-130
Nitrobenzene-d5	74		30-130
2-Fluorobiphenyl	73		30-130
2,4,6-Tribromophenol	76		30-130
4-Terphenyl-d14	88		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1006694
Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG412212-2 WG412212-3								
Acenaphthene	99		100		40-140	1		30
1,2,4-Trichlorobenzene	87		96		40-140	10		30
Hexachlorobenzene	98		106		40-140	8		30
Bis(2-chloroethyl)ether	94		92		40-140	2		30
2-Chloronaphthalene	111		119		40-140	7		30
1,2-Dichlorobenzene	91		92		40-140	1		30
1,3-Dichlorobenzene	87		94		40-140	8		30
1,4-Dichlorobenzene	88		87		40-140	1		30
3,3'-Dichlorobenzidine	108		112		40-140	4		30
2,4-Dinitrotoluene	104		111		40-140	7		30
2,6-Dinitrotoluene	95		104		40-140	9		30
Azobenzene	109		114		40-140	4		30
Fluoranthene	109		112		40-140	3		30
4-Bromophenyl phenyl ether	102		106		40-140	4		30
Bis(2-chloroisopropyl)ether	91		95		40-140	4		30
Bis(2-chloroethoxy)methane	93		100		40-140	7		30
Hexachlorobutadiene	91		99		40-140	8		30
Hexachloroethane	83		91		40-140	9		30
Isophorone	88		89		40-140	1		30
Naphthalene	97		104		40-140	7		30
Nitrobenzene	89		99		40-140	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1006694
Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG412212-2 WG412212-3								
Bis(2-Ethylhexyl)phthalate	117		119		40-140	2		30
Butyl benzyl phthalate	105		106		40-140	1		30
Di-n-butylphthalate	108		112		40-140	4		30
Di-n-octylphthalate	112		116		40-140	4		30
Diethyl phthalate	103		106		40-140	3		30
Dimethyl phthalate	102		106		40-140	4		30
Benzo(a)anthracene	108		110		40-140	2		30
Benzo(a)pyrene	96		100		40-140	4		30
Benzo(b)fluoranthene	108		113		40-140	5		30
Benzo(k)fluoranthene	108		114		40-140	5		30
Chrysene	107		114		40-140	6		30
Acenaphthylene	98		100		40-140	2		30
Anthracene	106		111		40-140	5		30
Benzo(ghi)perylene	103		104		40-140	1		30
Fluorene	107		108		40-140	1		30
Phenanthrene	104		110		40-140	6		30
Dibenzo(a,h)anthracene	109		111		40-140	2		30
Indeno(1,2,3-cd)Pyrene	106		109		40-140	3		30
Pyrene	103		106		40-140	3		30
Aniline	**33**	Q	**33**	Q	40-140	0		30
4-Chloroaniline	44		49		40-140	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1006694
Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG412212-2 WG412212-3								
Dibenzofuran	102		106		40-140	4		30
2-Methylnaphthalene	98		109		40-140	11		30
Acetophenone	108		114		40-140	5		30
2,4,6-Trichlorophenol	98		104		30-130	6		30
2-Chlorophenol	101		102		30-130	1		30
2,4-Dichlorophenol	103		109		30-130	6		30
2,4-Dimethylphenol	92		74		30-130	22		30
2-Nitrophenol	95		99		30-130	4		30
4-Nitrophenol	123		123		30-130	0		30
2,4-Dinitrophenol	46		42		30-130	9		30
Pentachlorophenol	81		78		30-130	4		30
Phenol	99		98		30-130	1		30
2-Methylphenol	96		97		30-130	1		30
3-Methylphenol/4-Methylphenol	102		101		30-130	1		30
2,4,5-Trichlorophenol	104		107		30-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER ROAD

Project Number: 169909

Lab Number: L1006694

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG412212-2 WG412212-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	110		107		30-130
Phenol-d6	106		101		30-130
Nitrobenzene-d5	98		94		30-130
2-Fluorobiphenyl	96		99		30-130
2,4,6-Tribromophenol	112		105		30-130
4-Terphenyl-d14	117		111		30-130

PETROLEUM HYDROCARBONS

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006694-01	Date Collected:	05/06/10 14:20
Client ID:	GRUB-E	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	05/07/10 22:46
Analytical Date:	05/10/10 23:19		
Analyst:	NR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	72700		ug/kg	37200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		40-140

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006694-02	Date Collected:	05/06/10 14:50
Client ID:	GRUB-W	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	05/07/10 22:46
Analytical Date:	05/10/10 23:54		
Analyst:	NR		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	98800		ug/kg	34800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	81		40-140

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006694
Report Date: 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 05/10/10 11:23
Analyst: NR

Extraction Method: EPA 3546
Extraction Date: 05/07/10 22:46

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-02 Batch: WG411923-1					
TPH	ND		ug/kg	33300	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	86		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER ROAD

Project Number: 169909

Lab Number: L1006694

Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02 Batch: WG411923-2								
TPH	91		-		40-140	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	93				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006694
Report Date: 05/14/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG411923-3 QC Sample: L1006030-01 Client ID: DUP Sample						
TPH	ND	ND	ug/kg	NC		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	86		94		40-140

PCBS

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006694-01	Date Collected:	05/06/10 14:20
Client ID:	GRUB-E	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	05/10/10 23:10
Analytical Date:	05/11/10 19:17	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/11/10
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/11/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	39.8	--	1
Aroclor 1221	ND		ug/kg	39.8	--	1
Aroclor 1232	ND		ug/kg	39.8	--	1
Aroclor 1242	ND		ug/kg	39.8	--	1
Aroclor 1248	ND		ug/kg	39.8	--	1
Aroclor 1254	42.9		ug/kg	39.8	--	1
Aroclor 1260	ND		ug/kg	39.8	--	1
Aroclor 1262	ND		ug/kg	39.8	--	1
Aroclor 1268	ND		ug/kg	39.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

SAMPLE RESULTS

Lab ID:	L1006694-02	Date Collected:	05/06/10 14:50
Client ID:	GRUB-W	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	05/10/10 23:10
Analytical Date:	05/12/10 00:18	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/11/10
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/11/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.3	--	1
Aroclor 1221	ND		ug/kg	37.3	--	1
Aroclor 1232	ND		ug/kg	37.3	--	1
Aroclor 1242	ND		ug/kg	37.3	--	1
Aroclor 1248	ND		ug/kg	37.3	--	1
Aroclor 1254	194		ug/kg	37.3	--	1
Aroclor 1260	ND		ug/kg	37.3	--	1
Aroclor 1262	ND		ug/kg	37.3	--	1
Aroclor 1268	ND		ug/kg	37.3	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006694
Report Date: 05/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082
Analytical Date: 05/11/10 16:00
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 05/10/10 23:10
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/11/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/11/10

Parameter	Result	Qualifier	Units	RL	MDL
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-02 Batch: WG412237-1					
Aroclor 1016	ND		ug/kg	33.1	--
Aroclor 1221	ND		ug/kg	33.1	--
Aroclor 1232	ND		ug/kg	33.1	--
Aroclor 1242	ND		ug/kg	33.1	--
Aroclor 1248	ND		ug/kg	33.1	--
Aroclor 1254	ND		ug/kg	33.1	--
Aroclor 1260	ND		ug/kg	33.1	--
Aroclor 1262	ND		ug/kg	33.1	--
Aroclor 1268	ND		ug/kg	33.1	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	86		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1006694
Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-02 Batch: WG412237-2 WG412237-3								
Aroclor 1016	73		106		40-140	**37**	Q	30
Aroclor 1260	94		119		40-140	23		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		96		30-150	A
Decachlorobiphenyl	93		117		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		101		30-150	B
Decachlorobiphenyl	77		95		30-150	B

METALS

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006694
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1006694-01	Date Collected:	05/06/10 14:20
Client ID:	GRUB-E	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Arsenic, Total	1.9		mg/kg	0.38	--	1	05/08/10 15:00	05/10/10 14:48	EPA 3050B	97,6010B	TD
Cadmium, Total	ND		mg/kg	0.38	--	1	05/08/10 15:00	05/10/10 14:48	EPA 3050B	97,6010B	TD
Chromium, Total	24		mg/kg	0.38	--	1	05/08/10 15:00	05/10/10 14:48	EPA 3050B	97,6010B	TD
Lead, Total	16		mg/kg	1.9	--	1	05/08/10 15:00	05/10/10 14:48	EPA 3050B	97,6010B	TD
Mercury, Total	ND		mg/kg	0.07	--	1	05/07/10 10:30	05/10/10 13:03	EPA 7471A	97,7471A	EZ

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006694
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1006694-02	Date Collected:	05/06/10 14:50
Client ID:	GRUB-W	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Arsenic, Total	1.7		mg/kg	0.43	--	1	05/08/10 15:00	05/10/10 14:51	EPA 3050B	97,6010B	TD
Cadmium, Total	ND		mg/kg	0.43	--	1	05/08/10 15:00	05/10/10 14:51	EPA 3050B	97,6010B	TD
Chromium, Total	14		mg/kg	0.43	--	1	05/08/10 15:00	05/10/10 14:51	EPA 3050B	97,6010B	TD
Lead, Total	41		mg/kg	2.1	--	1	05/08/10 15:00	05/10/10 14:51	EPA 3050B	97,6010B	TD
Mercury, Total	ND		mg/kg	0.07	--	1	05/07/10 10:30	05/10/10 13:05	EPA 7471A	97,7471A	EZ

Project Name: 246 RIVER ROAD **Lab Number:** L1006694

Project Number: 169909 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG412005-1										
Arsenic, Total	ND		mg/kg	0.40	--	1	05/08/10 15:00	05/10/10 14:03	97,6010B	TD
Cadmium, Total	ND		mg/kg	0.40	--	1	05/08/10 15:00	05/10/10 14:03	97,6010B	TD
Chromium, Total	ND		mg/kg	0.40	--	1	05/08/10 15:00	05/10/10 14:03	97,6010B	TD
Lead, Total	ND		mg/kg	2.0	--	1	05/08/10 15:00	05/10/10 14:03	97,6010B	TD

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG412100-1										
Mercury, Total	ND		mg/kg	0.08	--	1	05/07/10 10:30	05/10/10 12:54	97,7471A	EZ

Prep Information

Digestion Method: EPA 7471A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006694
Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG412005-2 WG412005-3								
Arsenic, Total	103		93		80-120	10		30
Cadmium, Total	98		98		82-118	0		30
Chromium, Total	102		98		80-120	4		30
Lead, Total	103		112		80-120	8		30
MCP Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG412100-2 WG412100-3								
Mercury, Total	101		98		68-133	3		30

INORGANICS
&
MISCELLANEOUS

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006694
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1006694-01
Client ID: GRUB-E
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/06/10 14:20
Date Received: 05/06/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88		%	0.10	NA	1	-	05/10/10 21:27	30,2540G	NM

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006694
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1006694-02
Client ID: GRUB-W
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/06/10 14:50
Date Received: 05/06/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	05/10/10 21:27	30,2540G	NM

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006694
Report Date: 05/14/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG412227-1 QC Sample: L1006694-01 Client ID: GRUB-E						
Solids, Total	88	88	%	0		20

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006694
Report Date: 05/14/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 05/06/2010 22:42

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006694-01A	Vial MeOH preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1006694-01B	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1006694-01C	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1006694-01D	Amber 250ml unpreserved	A	N/A	4	Y	Absent	MCP-8082-10(),MCP-8270-10(14),TPH-DRO-D(14)
L1006694-01E	Amber 250ml unpreserved	A	N/A	4	Y	Absent	MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-PB-6010T-10(180)
L1006694-01F	Plastic 2oz unpreserved for TS	A	N/A	4	Y	Absent	TS(7)
L1006694-02A	Vial MeOH preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1006694-02B	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1006694-02C	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1006694-02D	Amber 250ml unpreserved	A	N/A	4	Y	Absent	MCP-8082-10(),MCP-8270-10(14),TPH-DRO-D(14)
L1006694-02E	Amber 250ml unpreserved	A	N/A	4	Y	Absent	MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-PB-6010T-10(180)
L1006694-02F	Plastic 2oz unpreserved for TS	A	N/A	4	Y	Absent	TS(7)
L1006694-03A	Vial MeOH preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1006694-03B	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1006694-03C	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006694
Project Number:	169909	**Report Date:**	05/14/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006694
Project Number:	169909	**Report Date:**	05/14/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006694
Project Number:	169909	**Report Date:**	05/14/10

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised March 16, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL LABS
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/6/10

ALPHA Job #: L1006694

Client Information

Client: TRC Environmental
Address: 650 Suffolk St
Lowell, MA 01854
Phone: 978-970-5600
Fax:
Email: tbiolsi@trcsolutions.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 River Road
Project Location: New Bedford, MA
Project #: 168909
Project Manager: Tom Biolsi
ALPHA Quote #:

Turn-Around Time

☒ Standard for landfill ☒ RUSH (only confirmed if pre-approved!) 1-Day TAT for lead
Date Due: 5/7/10 and 5/13/10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 23066

Regulatory Requirements/Report Limits

State /Fed Program MCP Criteria S-1 cleanup standards

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration ☐ Done ☒ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead	TPH	PCB	SVOCs	RCRA 8 Metals (JSG)	VOCs	TCLP (Pb & Cr) - Hold	Total solids			Sample Specific Comments	Total # Bottles
Rush only →	PX-2B-4B	5/6/10	0815	Soil	JSG	X							X	1 Day TAT		Also has 2 oz jar for total solids	1 (2)
6694.1	GRUB-E	5/6/10	1420	Soil	JSG		X	X	X	X	X	H	X	5-day TAT		Hold TCLP for 20:1 Rule	6
.2	GRUB-W	5/6/10	1450	Soil	JSG		X	X	X	X	X	H	X	5-day TAT		Hold TCLP for 20:1 Rule	6
3	Trip Blank										X						3

Container Type	250 ml →					3x40 ml	250 ml	2oz				
Preservative	None	None	None	None	None	~~3x40~~ OtherMedit	None	None				

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
James D. Grady	5/6/10 15:05	R. Gilbert	5/6/10 15:05
R. Gilbert	5/6/10 16:45	[illegible]	5/6/10 1645

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1006694

Instrument ID: Charlie.i Calibration Date: 10-MAY-2010 Time: 08:13

Lab File ID: 0510A02.D Init. Calib. Date(s): 22-APR-2 22-APR-2

Sample No: 8260 CCAL Init. Calib. Times : 18:26 21:17

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.09622	.08667	.05	10	20	
chloromethane	.23182	.21604	.05	7	20	
vinyl chloride	.15978	.14502	.05	9	20	
bromomethane	100	97.730	.05	2	20	
chloroethane	.05778	.06797	.05	-18	20	
trichlorofluoromethane	.13023	.13729	.05	-5	20	
ethyl ether	.0571	.05592	.05	2	20	
acetone	.1089	.1065	.05	2	20	
1,1,-dichloroethene	.09159	.11627	.05	-27	20	F
carbon disulfide	.43093	.35079	.05	19	20	
methylene chloride	.15723	.1538	.05	2	20	
methyl tert butyl ether	.43631	.41223	.05	6	20	
trans-1,2-dichloroethene	.15171	.14541	.05	4	20	
Diisopropyl Ether	.80744	.7953	.05	2	20	
1,1-dichloroethane	.34117	.33597	.05	2	20	
Ethyl-Tert-Butyl-Ether	.69457	.68387	.05	2	20	
2-butanone	.15317	.16795	.05	-10	20	
2,2-dichloropropane	.20841	.20361	.05	2	20	
cis-1,2-dichloroethene	.16767	.16896	.05	-1	20	
chloroform	.25821	.25603	.05	1	20	
bromochloromethane	.08433	.08063	.05	4	20	
tetrahydrofuran	.10801	.10519	.05	3	20	
1,1,1-trichloroethane	.23432	.22439	.05	4	20	
1,1-dichloropropene	.19612	.18122	.05	8	20	
carbontetrachloride	.2017	.18395	.05	9	20	
Tertiary-Amyl Methyl Ether	.43078	.42489	.05	1	20	
1,2-dichloroethane	.27777	.28768	.05	-4	20	
benzene	.58808	.56318	.05	4	20	
trichloroethene	.16568	.15633	.05	6	20	
1,2-dichloropropane	.19897	.19812	.05	0	20	
bromodichloromethane	.19609	.19984	.05	-2	20	
1,4-dioxane	10000	11820	.05	-18	20	
dibromomethane	.09849	.09649	.05	2	20	
4-methyl-2-pentanone	.11383	.12806	.05	-13	20	
cis-1,3-dichloropropene	.23686	.21805	.05	8	20	
toluene	.55101	.46796	.05	15	20	
trans-1,3-dichloropropene	.30381	.30121	.05	1	20	
1,1,2-trichloroethane	.1512	.14247	.05	6	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1006694

Instrument ID: Charlie.i Calibration Date: 10-MAY-2010 Time: 08:13

Lab File ID: 0510A02.D Init. Calib. Date(s): 22-APR-2 22-APR-2

Sample No: 8260 CCAL Init. Calib. Times : 18:26 21:17

Compound	___ RRF	RRF	MIN RRF	%D	MAX %D
2-hexanone	.31022	.33768	.05	-9	20
1,3-dichloropropane	.31555	.29982	.05	5	20
tetrachloroethene	.23849	.20228	.05	15	20
chlorodibromomethane	.21569	.19602	.05	9	20
1,2-dibromoethane	.2043	.19164	.05	6	20
chlorobenzene	.6125	.53626	.05	12	20
1,1,1,2-tetrachloroethane	.2122	.20317	.05	4	20
ethyl benzene	1.0112	.94494	.05	7	20
p/m xylene	.3711	.3522	.05	5	20
o xylene	.34856	.32587	.05	7	20
styrene	.60079	.54682	.05	9	20
bromoform	.28736	.26029	.05	9	20
isopropylbenzene	1.9452	1.6927	.05	13	20
1,1,2,2,-tetrachloroethane	.49663	.46027	.05	7	20
1,2,3-trichloropropane	.61065	.57195	.05	6	20
n-propylbenzene	2.3195	2.0406	.05	12	20
bromobenzene	.48626	.44626	.05	8	20
1,3,5-trimethybenzene	1.5807	1.4402	.05	9	20
2-chlorotoluene	1.4379	1.2966	.05	10	20
4-chorotoluene	1.5683	1.4989	.05	4	20
tert-butylbenzene	1.4360	1.2387	.05	14	20
1,2,4-trimethylbenzene	1.6673	1.5163	.05	9	20
sec-butylbenzene	2.0957	1.8152	.05	13	20
p-isopropyltoluene	1.7391	1.5727	.05	10	20
1,3-dichlorobenzene	.97517	.88014	.05	10	20
1,4-dichlorobenzene	.99519	.9124	.05	8	20
n-butylbenzene	1.9371	1.7886	.05	8	20
1,2-dichlorobenzene	.88111	.82656	.05	6	20
1,2-dibromo-3-chloropropane	.12631	.11844	.05	6	20
1,2,4-trichlorobenzene	.67469	.64672	.05	4	20
hexachlorobutadiene	.34852	.30224	.05	13	20
naphthalene	2.0044	1.8262	.05	9	20
1,2,3-trichlorobenzene	.63316	.58746	.05	7	20
dibromofluoromethane	.65871	.67045	.05	-2	30
1,2-dichloroethane-d4	.85233	.87627	.05	-3	30
toluene-d8	3.2774	3.1292	.05	5	30
4-bromofluorobenzene	2.6068	2.6566	.05	-2	30

FORM VII MCP-8260HLW-10

ANALYTICAL REPORT

Lab Number:	L1008195
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER RD.
Project Number:	169909 PH II
Report Date:	06/07/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1008195-01	MSP	NEW BEDFORD	06/02/10 12:00
L1008195-02	NSP	NEW BEDFORD	06/02/10 12:30
L1008195-03	TRIP BLANK	NEW BEDFORD	06/02/10 00:00

Project Name: 246 RIVER RD. **Lab Number:** L1008195

Project Number: 169909 PH II **Report Date:** 06/07/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 246 RIVER RD. **Lab Number:** L1008195
Project Number: 169909 PH II **Report Date:** 06/07/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question G:

Carbon disulfide and Tetrahydrofuran did not achieve the requested CAM reporting limits.

In reference to question H:

The WG415977-7/-8 LCS/LCSD recoveries, associated with L1008195-02 and -03 are below the acceptance criteria for Chloromethane (69%/66%); however, it has been identified as "difficult" analyte and is within the 40-

Project Name: 246 RIVER RD. **Lab Number:** L1008195
Project Number: 169909 PH II **Report Date:** 06/07/10

Case Narrative (continued)

160% acceptance limits. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.
The continuing calibration standard, associated with L1008195-02 and -03, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Semivolatile Organics
In reference to question G:
3,3'-Dichlorobenzidine and Acetophenone did not achieve the requested CAM reporting limits.
In reference to question H:
The WG416323-2/-3 LCS/LCSD recoveries, associated with L1008195-02, are below the individual acceptance criteria for Aniline (37%/26%) and Pentachlorophenol (17%/20%), but within the overall method allowances. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for these compounds. In addition, the associated LCS/LCSD RPD is above the acceptance criteria for Aniline (35%).
The WG416323-2/-3 LCS/LCSD recoveries, associated with L1008195-02, are below the acceptance criteria for 2,4-Dinitrophenol (11%/16%); however, it has been identified as a "difficult" analyte and the LCSD is within the 15-140% acceptance limits. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for this compound. In addition, the associated LCS/LCSD RPD is above the acceptance criteria for 2,4-Dinitrophenol (37%).

Metals
LCS/LCSD SRM Lot#: ERA D067-540
In reference to question I:
All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 06/07/10

ORGANICS

VOLATILES

Project Name: 246 RIVER RD. **Lab Number:** L1008195

Project Number: 169909 PH II **Report Date:** 06/07/10

SAMPLE RESULTS

Lab ID:	L1008195-02	Date Collected:	06/02/10 12:30
Client ID:	NSP	Date Received:	06/02/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	06/04/10 11:41		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.5	--	1
1,1-Dichloroethane	ND		ug/kg	1.3	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.85	--	1
1,2-Dichloropropane	ND		ug/kg	3.0	--	1
Dibromochloromethane	ND		ug/kg	0.85	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	--	1
Tetrachloroethene	ND		ug/kg	0.85	--	1
Chlorobenzene	ND		ug/kg	0.85	--	1
Trichlorofluoromethane	ND		ug/kg	4.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.85	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.85	--	1
Bromodichloromethane	ND		ug/kg	0.85	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.85	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.85	--	1
1,1-Dichloropropene	ND		ug/kg	4.3	--	1
Bromoform	ND		ug/kg	3.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.85	--	1
Benzene	ND		ug/kg	0.85	--	1
Toluene	ND		ug/kg	1.3	--	1
Ethylbenzene	ND		ug/kg	0.85	--	1
Chloromethane	ND		ug/kg	4.3	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	1.7	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.85	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	--	1
Trichloroethene	ND		ug/kg	0.85	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.3	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.3	--	1

Project Name: 246 RIVER RD. **Lab Number:** L1008195

Project Number: 169909 PH II **Report Date:** 06/07/10

SAMPLE RESULTS

Lab ID: L1008195-02 Date Collected: 06/02/10 12:30

Client ID: NSP Date Received: 06/02/10

Sample Location: NEW BEDFORD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	4.3	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	1.7	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.85	--	1
Dibromomethane	ND		ug/kg	8.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	8.5	--	1
Styrene	ND		ug/kg	1.7	--	1
Dichlorodifluoromethane	ND		ug/kg	8.5	--	1
Acetone	ND		ug/kg	31	--	1
Carbon disulfide	ND		ug/kg	43	--	1
2-Butanone	ND		ug/kg	8.5	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.5	--	1
2-Hexanone	ND		ug/kg	8.5	--	1
Bromochloromethane	ND		ug/kg	4.3	--	1
Tetrahydrofuran	ND		ug/kg	17	--	1
2,2-Dichloropropane	ND		ug/kg	4.3	--	1
1,2-Dibromoethane	ND		ug/kg	3.4	--	1
1,3-Dichloropropane	ND		ug/kg	4.3	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.85	--	1
Bromobenzene	ND		ug/kg	4.3	--	1
n-Butylbenzene	ND		ug/kg	0.85	--	1
sec-Butylbenzene	ND		ug/kg	0.85	--	1
tert-Butylbenzene	ND		ug/kg	4.3	--	1
o-Chlorotoluene	ND		ug/kg	4.3	--	1
p-Chlorotoluene	ND		ug/kg	4.3	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	--	1
Hexachlorobutadiene	ND		ug/kg	4.3	--	1
Isopropylbenzene	ND		ug/kg	0.85	--	1
p-Isopropyltoluene	ND		ug/kg	0.85	--	1
Naphthalene	ND		ug/kg	4.3	--	1
n-Propylbenzene	ND		ug/kg	0.85	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.3	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.3	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.3	--	1
Ethyl ether	ND		ug/kg	4.3	--	1

Project Name: 246 RIVER RD. **Lab Number:** L1008195

Project Number: 169909 PH II **Report Date:** 06/07/10

SAMPLE RESULTS

Lab ID:	L1008195-02	Date Collected:	06/02/10 12:30
Client ID:	NSP	Date Received:	06/02/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	3.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.4	--	1
1,4-Dioxane	ND		ug/kg	430	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	99		70-130

Project Name: 246 RIVER RD. **Lab Number:** L1008195

Project Number: 169909 PH II **Report Date:** 06/07/10

SAMPLE RESULTS

Lab ID:	L1008195-03	Date Collected:	06/02/10 00:00
Client ID:	TRIP BLANK	Date Received:	06/02/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	06/04/10 12:17		
Analyst:	BN		
Percent Solids:	Results reported on an 'AS RECEIVED' basis.		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
Trichlorofluoromethane	ND		ug/kg	5.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	--	1
Bromodichloromethane	ND		ug/kg	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
1,1-Dichloropropene	ND		ug/kg	5.0	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Benzene	ND		ug/kg	1.0	--	1
Toluene	ND		ug/kg	1.5	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	5.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	2.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
Trichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	--	1

Project Name: 246 RIVER RD. **Lab Number:** L1008195

Project Number: 169909 PH II **Report Date:** 06/07/10

SAMPLE RESULTS

Lab ID: L1008195-03 Date Collected: 06/02/10 00:00

Client ID: TRIP BLANK Date Received: 06/02/10

Sample Location: NEW BEDFORD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	2.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	10	--	1
1,2,3-Trichloropropane	ND		ug/kg	10	--	1
Styrene	ND		ug/kg	2.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	36	--	1
Carbon disulfide	ND		ug/kg	50	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	5.0	--	1
Tetrahydrofuran	ND		ug/kg	20	--	1
2,2-Dichloropropane	ND		ug/kg	5.0	--	1
1,2-Dibromoethane	ND		ug/kg	4.0	--	1
1,3-Dichloropropane	ND		ug/kg	5.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Bromobenzene	ND		ug/kg	5.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	5.0	--	1
o-Chlorotoluene	ND		ug/kg	5.0	--	1
p-Chlorotoluene	ND		ug/kg	5.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--	1
Hexachlorobutadiene	ND		ug/kg	5.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	5.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--	1
Ethyl ether	ND		ug/kg	5.0	--	1

Project Name: 246 RIVER RD. **Lab Number:** L1008195

Project Number: 169909 PH II **Report Date:** 06/07/10

SAMPLE RESULTS

Lab ID:	L1008195-03	Date Collected:	06/02/10 00:00
Client ID:	TRIP BLANK	Date Received:	06/02/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	4.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--	1
1,4-Dioxane	ND		ug/kg	500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/04/10 10:29
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 02-03 Batch: WG415977-9					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	5.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	5.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	5.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--
1,2-Dichlorobenzene	ND		ug/kg	5.0	--
1,3-Dichlorobenzene	ND		ug/kg	5.0	--

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/04/10 10:29
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 02-03 Batch: WG415977-9					
1,4-Dichlorobenzene	ND		ug/kg	5.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	10	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	50	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	5.0	--
Tetrahydrofuran	ND		ug/kg	20	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	5.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	5.0	--
o-Chlorotoluene	ND		ug/kg	5.0	--
p-Chlorotoluene	ND		ug/kg	5.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--
Hexachlorobutadiene	ND		ug/kg	5.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/04/10 10:29
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 02-03 Batch: WG415977-9					
Naphthalene	ND		ug/kg	5.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--
Ethyl ether	ND		ug/kg	5.0	--
Isopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	200	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG415977-7 WG415977-8								
Methylene chloride	97		100		70-130	3		20
1,1-Dichloroethane	107		108		70-130	1		20
Chloroform	101		104		70-130	3		20
Carbon tetrachloride	97		98		70-130	1		20
1,2-Dichloropropane	104		104		70-130	0		20
Dibromochloromethane	80		80		70-130	0		20
1,1,2-Trichloroethane	87		87		70-130	0		20
Tetrachloroethene	95		97		70-130	2		20
Chlorobenzene	91		92		70-130	1		20
Trichlorofluoromethane	99		102		70-130	3		20
1,2-Dichloroethane	97		99		70-130	2		20
1,1,1-Trichloroethane	100		102		70-130	2		20
Bromodichloromethane	101		102		70-130	1		20
trans-1,3-Dichloropropene	98		97		70-130	1		20
cis-1,3-Dichloropropene	95		98		70-130	3		20
1,1-Dichloropropene	106		108		70-130	2		20
Bromoform	75		74		70-130	1		20
1,1,2,2-Tetrachloroethane	85		84		70-130	1		20
Benzene	106		107		70-130	1		20
Toluene	91		93		70-130	2		20
Ethylbenzene	96		99		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG415977-7 WG415977-8								
Chloromethane	**69**	Q	**66**	Q	70-130	4		20
Bromomethane	96		95		70-130	1		20
Vinyl chloride	96		95		70-130	1		20
Chloroethane	120		121		70-130	1		20
1,1-Dichloroethene	104		105		70-130	1		20
trans-1,2-Dichloroethene	107		108		70-130	1		20
Trichloroethene	102		105		70-130	3		20
1,2-Dichlorobenzene	88		88		70-130	0		20
1,3-Dichlorobenzene	93		92		70-130	1		20
1,4-Dichlorobenzene	90		91		70-130	1		20
Methyl tert butyl ether	91		91		70-130	0		20
p/m-Xylene	97		98		70-130	1		20
o-Xylene	99		99		70-130	0		20
cis-1,2-Dichloroethene	105		110		70-130	5		20
Dibromomethane	94		95		70-130	1		20
1,2,3-Trichloropropane	89		91		70-130	2		20
Styrene	97		98		70-130	1		20
Dichlorodifluoromethane	95		98		70-130	3		20
Acetone	94		97		70-130	3		20
Carbon disulfide	96		97		70-130	1		20
2-Butanone	98		102		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG415977-7 WG415977-8								
4-Methyl-2-pentanone	101		105		70-130	4		20
2-Hexanone	87		93		70-130	7		20
Bromochloromethane	95		96		70-130	1		20
Tetrahydrofuran	86		96		70-130	11		20
2,2-Dichloropropane	114		116		70-130	2		20
1,2-Dibromoethane	87		86		70-130	1		20
1,3-Dichloropropane	88		89		70-130	1		20
1,1,1,2-Tetrachloroethane	90		90		70-130	0		20
Bromobenzene	88		90		70-130	2		20
n-Butylbenzene	98		98		70-130	0		20
sec-Butylbenzene	92		93		70-130	1		20
tert-Butylbenzene	88		89		70-130	1		20
o-Chlorotoluene	91		92		70-130	1		20
p-Chlorotoluene	94		94		70-130	0		20
1,2-Dibromo-3-chloropropane	76		78		70-130	3		20
Hexachlorobutadiene	82		82		70-130	0		20
Isopropylbenzene	90		92		70-130	2		20
p-Isopropyltoluene	96		97		70-130	1		20
Naphthalene	80		79		70-130	1		20
n-Propylbenzene	93		93		70-130	0		20
1,2,3-Trichlorobenzene	82		82		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 02-03 Batch: WG415977-7 WG415977-8								
1,2,4-Trichlorobenzene	95		92		70-130	3		20
1,3,5-Trimethylbenzene	91		92		70-130	1		20
1,2,4-Trimethylbenzene	93		94		70-130	1		20
Ethyl ether	87		88		70-130	1		20
Isopropyl Ether	97		98		70-130	1		20
Ethyl-Tert-Butyl-Ether	102		103		70-130	1		20
Tertiary-Amyl Methyl Ether	101		102		70-130	1		20
1,4-Dioxane	93		96		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	92		92		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	96		97		70-130

SEMIVOLATILES

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

SAMPLE RESULTS

Lab ID:	L1008195-02	Date Collected:	06/02/10 12:30
Client ID:	NSP	Date Received:	06/02/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	06/05/10 05:35
Analytical Date:	06/07/10 13:32		
Analyst:	PS		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	360	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	360	--	1
Hexachlorobenzene	ND		ug/kg	360	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	360	--	1
2-Chloronaphthalene	ND		ug/kg	360	--	1
1,2-Dichlorobenzene	ND		ug/kg	360	--	1
1,3-Dichlorobenzene	ND		ug/kg	360	--	1
1,4-Dichlorobenzene	ND		ug/kg	360	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	720	--	1
2,4-Dinitrotoluene	ND		ug/kg	360	--	1
2,6-Dinitrotoluene	ND		ug/kg	360	--	1
Azobenzene	ND		ug/kg	360	--	1
Fluoranthene	970		ug/kg	360	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	360	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	360	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	360	--	1
Hexachlorobutadiene	ND		ug/kg	720	--	1
Hexachloroethane	ND		ug/kg	360	--	1
Isophorone	ND		ug/kg	360	--	1
Naphthalene	ND		ug/kg	360	--	1
Nitrobenzene	ND		ug/kg	360	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	720	--	1
Butyl benzyl phthalate	ND		ug/kg	360	--	1
Di-n-butylphthalate	ND		ug/kg	360	--	1
Di-n-octylphthalate	ND		ug/kg	360	--	1
Diethyl phthalate	ND		ug/kg	360	--	1
Dimethyl phthalate	ND		ug/kg	360	--	1
Benzo(a)anthracene	440		ug/kg	360	--	1
Benzo(a)pyrene	410		ug/kg	360	--	1
Benzo(b)fluoranthene	520		ug/kg	360	--	1

Project Name: 246 RIVER RD. **Lab Number:** L1008195

Project Number: 169909 PH II **Report Date:** 06/07/10

SAMPLE RESULTS

Lab ID: L1008195-02 Date Collected: 06/02/10 12:30

Client ID: NSP Date Received: 06/02/10

Sample Location: NEW BEDFORD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	ND		ug/kg	360	--	1
Chrysene	520		ug/kg	360	--	1
Acenaphthylene	ND		ug/kg	360	--	1
Anthracene	ND		ug/kg	360	--	1
Benzo(ghi)perylene	ND		ug/kg	360	--	1
Fluorene	ND		ug/kg	360	--	1
Phenanthrene	560		ug/kg	360	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	360	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	360	--	1
Pyrene	890		ug/kg	360	--	1
Aniline	ND		ug/kg	720	--	1
4-Chloroaniline	ND		ug/kg	360	--	1
Dibenzofuran	ND		ug/kg	360	--	1
2-Methylnaphthalene	ND		ug/kg	360	--	1
Acetophenone	ND		ug/kg	1400	--	1
2,4,6-Trichlorophenol	ND		ug/kg	360	--	1
2-Chlorophenol	ND		ug/kg	430	--	1
2,4-Dichlorophenol	ND		ug/kg	720	--	1
2,4-Dimethylphenol	ND		ug/kg	360	--	1
2-Nitrophenol	ND		ug/kg	1400	--	1
4-Nitrophenol	ND		ug/kg	720	--	1
2,4-Dinitrophenol	ND		ug/kg	1400	--	1
Pentachlorophenol	ND		ug/kg	1400	--	1
Phenol	ND		ug/kg	500	--	1
2-Methylphenol	ND		ug/kg	430	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	430	--	1
2,4,5-Trichlorophenol	ND		ug/kg	360	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		30-130
Phenol-d6	76		30-130
Nitrobenzene-d5	66		30-130
2-Fluorobiphenyl	76		30-130
2,4,6-Tribromophenol	77		30-130
4-Terphenyl-d14	89		30-130

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 06/05/10 19:20
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/05/10 05:35

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 02 Batch: WG416323-1					
Acenaphthene	ND		ug/kg	330	--
1,2,4-Trichlorobenzene	ND		ug/kg	330	--
Hexachlorobenzene	ND		ug/kg	330	--
Bis(2-chloroethyl)ether	ND		ug/kg	330	--
2-Chloronaphthalene	ND		ug/kg	330	--
1,2-Dichlorobenzene	ND		ug/kg	330	--
1,3-Dichlorobenzene	ND		ug/kg	330	--
1,4-Dichlorobenzene	ND		ug/kg	330	--
3,3'-Dichlorobenzidine	ND		ug/kg	660	--
2,4-Dinitrotoluene	ND		ug/kg	330	--
2,6-Dinitrotoluene	ND		ug/kg	330	--
Azobenzene	ND		ug/kg	330	--
Fluoranthene	ND		ug/kg	330	--
4-Bromophenyl phenyl ether	ND		ug/kg	330	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	330	--
Bis(2-chloroethoxy)methane	ND		ug/kg	330	--
Hexachlorobutadiene	ND		ug/kg	660	--
Hexachloroethane	ND		ug/kg	330	--
Isophorone	ND		ug/kg	330	--
Naphthalene	ND		ug/kg	330	--
Nitrobenzene	ND		ug/kg	330	--
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	660	--
Butyl benzyl phthalate	ND		ug/kg	330	--
Di-n-butylphthalate	ND		ug/kg	330	--
Di-n-octylphthalate	ND		ug/kg	330	--
Diethyl phthalate	ND		ug/kg	330	--
Dimethyl phthalate	ND		ug/kg	330	--
Benzo(a)anthracene	ND		ug/kg	330	--
Benzo(a)pyrene	ND		ug/kg	330	--
Benzo(b)fluoranthene	ND		ug/kg	330	--
Benzo(k)fluoranthene	ND		ug/kg	330	--

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 06/05/10 19:20
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/05/10 05:35

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 02 Batch: WG416323-1					
Chrysene	ND		ug/kg	330	--
Acenaphthylene	ND		ug/kg	330	--
Anthracene	ND		ug/kg	330	--
Benzo(ghi)perylene	ND		ug/kg	330	--
Fluorene	ND		ug/kg	330	--
Phenanthrene	ND		ug/kg	330	--
Dibenzo(a,h)anthracene	ND		ug/kg	330	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	330	--
Pyrene	ND		ug/kg	330	--
Aniline	ND		ug/kg	660	--
4-Chloroaniline	ND		ug/kg	330	--
Dibenzofuran	ND		ug/kg	330	--
2-Methylnaphthalene	ND		ug/kg	330	--
Acetophenone	ND		ug/kg	1300	--
2,4,6-Trichlorophenol	ND		ug/kg	330	--
2-Chlorophenol	ND		ug/kg	400	--
2,4-Dichlorophenol	ND		ug/kg	660	--
2,4-Dimethylphenol	ND		ug/kg	330	--
2-Nitrophenol	ND		ug/kg	1300	--
4-Nitrophenol	ND		ug/kg	660	--
2,4-Dinitrophenol	ND		ug/kg	1300	--
Pentachlorophenol	ND		ug/kg	1300	--
Phenol	ND		ug/kg	460	--
2-Methylphenol	ND		ug/kg	400	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	400	--
2,4,5-Trichlorophenol	ND		ug/kg	330	--

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 06/05/10 19:20
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/05/10 05:35

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 02 Batch: WG416323-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		30-130
Phenol-d6	51		30-130
Nitrobenzene-d5	50		30-130
2-Fluorobiphenyl	57		30-130
2,4,6-Tribromophenol	34		30-130
4-Terphenyl-d14	78		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG416323-2 WG416323-3								
Acenaphthene	59		57		40-140	3		30
1,2,4-Trichlorobenzene	56		50		40-140	11		30
Hexachlorobenzene	59		66		40-140	11		30
Bis(2-chloroethyl)ether	56		53		40-140	6		30
2-Chloronaphthalene	78		69		40-140	12		30
1,2-Dichlorobenzene	58		52		40-140	11		30
1,3-Dichlorobenzene	55		49		40-140	12		30
1,4-Dichlorobenzene	57		52		40-140	9		30
3,3'-Dichlorobenzidine	46		43		40-140	7		30
2,4-Dinitrotoluene	57		64		40-140	12		30
2,6-Dinitrotoluene	55		53		40-140	4		30
Azobenzene	63		62		40-140	2		30
Fluoranthene	67		72		40-140	7		30
4-Bromophenyl phenyl ether	63		60		40-140	5		30
Bis(2-chloroisopropyl)ether	58		49		40-140	17		30
Bis(2-chloroethoxy)methane	60		56		40-140	7		30
Hexachlorobutadiene	61		58		40-140	5		30
Hexachloroethane	59		53		40-140	11		30
Isophorone	60		47		40-140	24		30
Naphthalene	64		59		40-140	8		30
Nitrobenzene	58		55		40-140	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG416323-2 WG416323-3								
Bis(2-Ethylhexyl)phthalate	70		65		40-140	7		30
Butyl benzyl phthalate	60		70		40-140	15		30
Di-n-butylphthalate	70		70		40-140	0		30
Di-n-octylphthalate	58		54		40-140	7		30
Diethyl phthalate	64		68		40-140	6		30
Dimethyl phthalate	61		57		40-140	7		30
Benzo(a)anthracene	67		66		40-140	2		30
Benzo(a)pyrene	57		53		40-140	7		30
Benzo(b)fluoranthene	65		62		40-140	5		30
Benzo(k)fluoranthene	74		68		40-140	8		30
Chrysene	66		67		40-140	2		30
Acenaphthylene	62		55		40-140	12		30
Anthracene	66		65		40-140	2		30
Benzo(ghi)perylene	57		60		40-140	5		30
Fluorene	60		59		40-140	2		30
Phenanthrene	62		60		40-140	3		30
Dibenzo(a,h)anthracene	53		57		40-140	7		30
Indeno(1,2,3-cd)Pyrene	58		62		40-140	7		30
Pyrene	63		67		40-140	6		30
Aniline	**37**	Q	**26**	Q	40-140	**35**	Q	30
4-Chloroaniline	47		45		40-140	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG416323-2 WG416323-3								
Dibenzofuran	61		61		40-140	0		30
2-Methylnaphthalene	64		58		40-140	10		30
Acetophenone	68		57		40-140	18		30
2,4,6-Trichlorophenol	56		49		30-130	13		30
2-Chlorophenol	66		52		30-130	24		30
2,4-Dichlorophenol	62		58		30-130	7		30
2,4-Dimethylphenol	56		47		30-130	17		30
2-Nitrophenol	51		42		30-130	19		30
4-Nitrophenol	49		52		30-130	6		30
2,4-Dinitrophenol	**11**	Q	**16**	Q	30-130	**37**	Q	30
Pentachlorophenol	**17**	Q	**20**	Q	30-130	16		30
Phenol	59		52		30-130	13		30
2-Methylphenol	61		58		30-130	5		30
3-Methylphenol/4-Methylphenol	58		51		30-130	13		30
2,4,5-Trichlorophenol	60		53		30-130	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER RD.

Project Number: 169909 PH II

Lab Number: L1008195

Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 02 Batch: WG416323-2 WG416323-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		60		30-130
Phenol-d6	66		57		30-130
Nitrobenzene-d5	63		57		30-130
2-Fluorobiphenyl	66		61		30-130
2,4,6-Tribromophenol	65		60		30-130
4-Terphenyl-d14	71		78		30-130

PETROLEUM HYDROCARBONS

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

SAMPLE RESULTS

Lab ID:	L1008195-02	Date Collected:	06/02/10 12:30
Client ID:	NSP	Date Received:	06/02/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	06/03/10 17:39
Analytical Date:	06/05/10 02:02		
Analyst:	NR		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	110000		ug/kg	39100	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	51		40-140

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 06/04/10 15:09
Analyst: NR

Extraction Method: EPA 3546
Extraction Date: 06/03/10 17:35

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02 Batch: WG415990-1					
TPH	ND		ug/kg	33200	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	67		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER RD.

Project Number: 169909 PH II

Lab Number: L1008195

Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02 Batch: WG415990-2								
TPH	66		-		40-140	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	68				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02 QC Batch ID: WG415990-3 QC Sample: L1008195-02 Client ID: NSP						
TPH	110000	124000	ug/kg	12		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	51		55		40-140

PCBS

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

SAMPLE RESULTS

Lab ID:	L1008195-02	Date Collected:	06/02/10 12:30
Client ID:	NSP	Date Received:	06/02/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	06/04/10 13:49
Analytical Date:	06/07/10 08:40	Cleanup Method1:	EPA 3660B
Analyst:	KB	Cleanup Date1:	06/07/10
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	06/07/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.9	--	1
Aroclor 1221	ND		ug/kg	37.9	--	1
Aroclor 1232	ND		ug/kg	37.9	--	1
Aroclor 1242	ND		ug/kg	37.9	--	1
Aroclor 1248	ND		ug/kg	37.9	--	1
Aroclor 1254	50.3		ug/kg	37.9	--	1
Aroclor 1260	ND		ug/kg	37.9	--	1
Aroclor 1262	ND		ug/kg	37.9	--	1
Aroclor 1268	ND		ug/kg	37.9	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	74		30-150	A

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082
Analytical Date: 06/06/10 14:55
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 06/04/10 12:11
Cleanup Method1: EPA 3660B
Cleanup Date1: 06/06/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/06/10

Parameter	Result	Qualifier	Units	RL	MDL
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 02 Batch: WG416164-1					
Aroclor 1016	ND		ug/kg	32.9	--
Aroclor 1221	ND		ug/kg	32.9	--
Aroclor 1232	ND		ug/kg	32.9	--
Aroclor 1242	ND		ug/kg	32.9	--
Aroclor 1248	ND		ug/kg	32.9	--
Aroclor 1254	ND		ug/kg	32.9	--
Aroclor 1260	ND		ug/kg	32.9	--
Aroclor 1262	ND		ug/kg	32.9	--
Aroclor 1268	ND		ug/kg	32.9	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	37		30-150	B
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	43		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER RD.

Project Number: 169909 PH II

Lab Number: L1008195

Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 02 Batch: WG416164-2 WG416164-3								
Aroclor 1016	74		61		40-140	19		30
Aroclor 1260	80		64		40-140	22		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		56		30-150	B
Decachlorobiphenyl	56		45		30-150	B
2,4,5,6-Tetrachloro-m-xylene	64		53		30-150	A
Decachlorobiphenyl	66		54		30-150	A

METALS

Project Name:	246 RIVER RD.	**Lab Number:**	L1008195
Project Number:	169909 PH II	**Report Date:**	06/07/10

SAMPLE RESULTS

Lab ID:	L1008195-01	Date Collected:	06/02/10 12:00
Client ID:	MSP	Date Received:	06/02/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	130		mg/kg	2.0	--	1	06/05/10 11:15	06/07/10 13:00	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER RD.	**Lab Number:**	L1008195
Project Number:	169909 PH II	**Report Date:**	06/07/10

SAMPLE RESULTS

Lab ID:	L1008195-02	Date Collected:	06/02/10 12:30
Client ID:	NSP	Date Received:	06/02/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Arsenic, Total	4.0		mg/kg	0.44	--	1	06/05/10 11:15	06/07/10 13:23	EPA 3050B	97,6010B	AI
Cadmium, Total	0.61		mg/kg	0.44	--	1	06/05/10 11:15	06/07/10 13:23	EPA 3050B	97,6010B	AI
Chromium, Total	18		mg/kg	0.44	--	1	06/05/10 11:15	06/07/10 13:23	EPA 3050B	97,6010B	AI
Lead, Total	210		mg/kg	2.2	--	1	06/05/10 11:15	06/07/10 13:23	EPA 3050B	97,6010B	AI
Mercury, Total	0.28		mg/kg	0.09	--	1	06/03/10 17:50	06/04/10 14:43	EPA 7471A	97,7471A	EZ

Project Name: 246 RIVER RD. **Lab Number:** L1008195

Project Number: 169909 PH II **Report Date:** 06/07/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 02 Batch: WG416063-1										
Mercury, Total	ND		mg/kg	0.08	--	1	06/03/10 17:50	06/04/10 14:23	97,7471A	EZ

Prep Information

Digestion Method: EPA 7471A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG416398-1										
Arsenic, Total	ND		mg/kg	0.40	--	1	06/05/10 11:15	06/07/10 12:51	97,6010B	AI
Cadmium, Total	ND		mg/kg	0.40	--	1	06/05/10 11:15	06/07/10 12:51	97,6010B	AI
Chromium, Total	ND		mg/kg	0.40	--	1	06/05/10 11:15	06/07/10 12:51	97,6010B	AI
Lead, Total	ND		mg/kg	2.0	--	1	06/05/10 11:15	06/07/10 12:51	97,6010B	AI

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 02 Batch: WG416063-2 WG416063-3								
Mercury, Total	118		107		68-133	10		30
MCP Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG416398-2 WG416398-3								
Arsenic, Total	101		109		80-120	8		30
Cadmium, Total	96		103		82-118	7		30
Chromium, Total	94		95		80-120	1		30
Lead, Total	90		97		80-120	7		30

INORGANICS
&
MISCELLANEOUS

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

SAMPLE RESULTS

Lab ID: L1008195-01
Client ID: MSP
Sample Location: NEW BEDFORD
Matrix: Soil

Date Collected: 06/02/10 12:00
Date Received: 06/02/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	06/03/10 13:31	30,2540G	AC

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

SAMPLE RESULTS

Lab ID: L1008195-02
Client ID: NSP
Sample Location: NEW BEDFORD
Matrix: Soil

Date Collected: 06/02/10 12:30
Date Received: 06/02/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance	160		umhos/cm	10	--	1	-	06/06/10 16:45	1,9050A	BH
Solids, Total	90		%	0.10	NA	1	-	06/03/10 13:31	30,2540G	AC

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER RD.

Project Number: 169909 PH II

Lab Number: L1008195

Report Date: 06/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02 Batch: WG416420-1								
Specific Conductance	98		-		80-120	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG415967-1 QC Sample: L1008124-21 Client ID: DUP Sample						
Solids, Total	94	93	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG416420-2 QC Sample: L1008025-02 Client ID: DUP Sample						
Specific Conductance	45	46	umhos/cm	2		20

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008195
Report Date: 06/07/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/02/2010 23:08

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1008195-01A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	MCP-PB-6010T-10(180)
L1008195-01C	Plastic 2oz unpreserved for TS	A	N/A	2	Y	Absent	TS(7)
L1008195-02A	Vial MeOH preserved	A	N/A	2	Y	Absent	MCP-8260HLW-10(14)
L1008195-02B	Vial water preserved	A	N/A	2	Y	Absent	MCP-8260HLW-10(14)
L1008195-02C	Vial water preserved	A	N/A	2	Y	Absent	MCP-8260HLW-10(14)
L1008195-02D	Amber 250ml unpreserved	A	N/A	2	Y	Absent	MCP-8082-10(),MCP-CR-6010T-10(180),MCP-8270-10(14),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),TPH-DRO-D(14),COND-9050(28),MCP-PB-6010T-10(180)
L1008195-02E	Plastic 2oz unpreserved for TS	A	N/A	2	Y	Absent	TS(7)
L1008195-02F	Amber 250ml unpreserved	A	N/A	2	Y	Absent	COND-9050(28)
L1008195-03A	Vial MeOH preserved	A	N/A	2	Y	Absent	MCP-8260HLW-10(14)
L1008195-03B	Vial water preserved	A	N/A	2	Y	Absent	MCP-8260HLW-10(14)
L1008195-03C	Vial water preserved	A	N/A	2	Y	Absent	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name:	246 RIVER RD.	**Lab Number:**	L1008195
Project Number:	169909 PH II	**Report Date:**	06/07/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	246 RIVER RD.	**Lab Number:**	L1008195
Project Number:	169909 PH II	**Report Date:**	06/07/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	246 RIVER RD.	**Lab Number:**	L1008195
Project Number:	169909 PH II	**Report Date:**	06/07/10

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/2/10

ALPHA Job #: L1008195

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: TRC SOLUTIONS.
Address: 650 SUFFOLK ST
WANNALANCIT MILLS LOWELL MA
Phone: 978-970-5600
Fax:
Email: JFIERO@TRCSOLUTIONS.COM
DPETTIT@TRCSOLUTIONS.COM
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 RIVER RD.
Project Location: NEW BEDFORD
Project #: 169909 PH II
Project Manager: TOM BIOLSI
ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved!)
Date Due: 72 HR. 6/7/10 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
MCP - CAM.	COMM 97

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260 HI/LOW	TOTAL SOLIDS	TPH DRO	PCBs	SVOC 8270	TOTAL RCRA 5 METALS	TOTAL Pb	CONDUCTIVITY.	TCLP RCRA 5	TCLP Pb.			Sample Specific Comments	TOTAL # BOTTLES
08195.1	MSP	6/2	12:00	SOIL	JF		✓				✓			H					2
2	NSP	6/2	12:30	SOIL	JF	✓	✓	✓	✓	✓	✓		✓	H					6
3	TRIP BLANK	6/2	—	—	JF	✓													3
Container Type						◊	P	A	A	A	A	A	A	A					
Preservative																			

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Relinquished By:	Date/Time	Received By:	Date/Time
Jason F. Fiero	6/2 1535		6/2/10 1535
	6/2/10 1535		6/2/10 1750
	6/2/10 1850		6/2/10 1850

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

Serial_No:06071020:43

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1008195

Instrument ID: Newman.i Calibration Date: 03-JUN-2010 Time: 07:17

Lab File ID: 0603A01.D Init. Calib. Date(s): 19-MAY-2 19-MAY-2

Sample No: 8260 CCAL Init. Calib. Times : 19:58 23:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.38792	.37603	.05	3	20	
chloromethane	.21046	.14293	.05	32	20	F
vinyl chloride	.17831	.16928	.05	5	20	
bromomethane	.24876	.22039	.05	11	20	
chloroethane	.14969	.17818	.05	-19	20	
trichlorofluoromethane	.71126	.76774	.05	-8	20	
ethyl ether	.169	.1415	.05	16	20	
acetone	.09315	.08817	.05	5	20	
1,1,-dichloroethene	.32313	.34	.05	-5	20	
carbon disulfide	.93003	.95646	.05	-3	20	
methylene chloride	.39245	.397	.05	-1	20	
methyl tert butyl ether	.99749	.85376	.05	14	20	
trans-1,2-dichloroethene	.38874	.41257	.05	-6	20	
Diisopropyl Ether	.64496	.59072	.05	8	20	
1,1-dichloroethane	.53465	.57638	.05	-8	20	
Ethyl-Tert-Butyl-Ether	.7945	.75495	.05	5	20	
2-butanone	.11892	.11275	.05	5	20	
2,2-dichloropropane	.4836	.53961	.05	-12	20	
cis-1,2-dichloroethene	.43288	.46704	.05	-8	20	
chloroform	.75191	.77695	.05	-3	20	
bromochloromethane	.25895	.25205	.05	3	20	
tetrahydrofuran	.07455	.0592	.05	21	20	F
1,1,1-trichloroethane	.67876	.71498	.05	-5	20	
1,1-dichloropropene	.48275	.52815	.05	-9	20	
carbontetrachloride	100	101	.05	-1	20	
Tertiary-Amyl Methyl Ether	.8804	.82921	.05	6	20	
1,2-dichloroethane	.52946	.53718	.05	-1	20	
benzene	1.3328	1.4182	.05	-6	20	
trichloroethene	.45106	.46767	.05	-4	20	
1,2-dichloropropane	.28127	.29395	.05	-5	20	
bromodichloromethane	.54449	.57512	.05	-6	20	
1,4-dioxane	.00532	.00442	.05	17	20	
dibromomethane	.29099	.2825	.05	3	20	
4-methyl-2-pentanone	.11275	.11244	.05	0	20	
cis-1,3-dichloropropene	.52489	.5077	.05	3	20	
toluene	.99304	.92061	.05	7	20	
trans-1,3-dichloropropene	.49134	.49055	.05	0	20	
1,1,2-trichloroethane	.29063	.262	.05	10	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1008195

Instrument ID: Newman.i Calibration Date: 03-JUN-2010 Time: 07:17

Lab File ID: 0603A01.D Init. Calib. Date(s): 19-MAY-2 19-MAY-2

Sample No: 8260 CCAL Init. Calib. Times : 19:58 23:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
2-hexanone	.18039	.15557	.05	14	20	
1,3-dichloropropane	.55112	.50014	.05	9	20	
tetrachloroethene	.64407	.63179	.05	2	20	
chlorodibromomethane	.57165	.49042	.05	14	20	
1,2-dibromoethane	.45762	.40291	.05	12	20	
chlorobenzene	1.3289	1.2156	.05	9	20	
1,1,1,2-tetrachloroethane	.50612	.47911	.05	5	20	
ethyl benzene	1.9351	1.8869	.05	2	20	
p/m xylene	.80881	.78241	.05	3	20	
o xylene	.7697	.73689	.05	4	20	
styrene	1.2103	1.1389	.05	6	20	
bromoform	.64082	.5191	.05	19	20	
isopropylbenzene	2.9280	2.6849	.05	8	20	
1,1,2,2,-tetrachloroethane	.67679	.56558	.05	16	20	
1,2,3-trichloropropane	.52037	.46034	.05	12	20	
n-propylbenzene	3.1804	2.9936	.05	6	20	
bromobenzene	1.0486	.93971	.05	10	20	
1,3,5-trimethybenzene	2.5284	2.3224	.05	8	20	
2-chlorotoluene	2.2302	2.0445	.05	8	20	
4-chorotoluene	2.0499	1.9294	.05	6	20	
tert-butylbenzene	2.3987	2.1318	.05	11	20	
1,2,4-trimethylbenzene	2.5424	2.3951	.05	6	20	
sec-butylbenzene	3.1994	2.9695	.05	7	20	
p-isopropyltoluene	2.8264	2.7575	.05	2	20	
1,3-dichlorobenzene	1.8200	1.6892	.05	7	20	
1,4-dichlorobenzene	1.8944	1.7358	.05	8	20	
n-butylbenzene	2.6768	2.6879	.05	0	20	
1,2-dichlorobenzene	1.7728	1.5669	.05	12	20	
1,2-dibromo-3-chloropropane	.15445	.11575	.05	25	20	F
1,2,4-trichlorobenzene	1.4282	1.3167	.05	8	20	
hexachlorobutadiene	1.0362	.85591	.05	17	20	
naphthalene	2.7495	2.1643	.05	21	20	F
1,2,3-trichlorobenzene	1.3778	1.1619	.05	16	20	
dibromofluoromethane	.81844	.79774	.05	3	30	
1,2-dichloroethane-d4	.67019	.65393	.05	2	30	
toluene-d8	2.6099	2.3952	.05	8	30	
4-bromofluorobenzene	1.6957	1.6920	.05	0	30	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1008195

Instrument ID: Newman.i Calibration Date: 02-JUN-2010 Time: 11:59

Lab File ID: 0602A01.D Init. Calib. Date(s): 19-MAY-2 19-MAY-2

Sample No: 8260 CCAL Init. Calib. Times : 19:58 23:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.38792	.44294	.05	-14	20	
chloromethane	.21046	.14941	.05	29	20	F
vinyl chloride	.17831	.19796	.05	-11	20	
bromomethane	.24876	.25409	.05	-2	20	
chloroethane	.14969	.20196	.05	-35	20	F
trichlorofluoromethane	.71126	.87676	.05	-23	20	F
ethyl ether	.169	.13469	.05	20	20	
acetone	.09315	.10229	.05	-10	20	
1,1,-dichloroethene	.32313	.38425	.05	-19	20	
carbon disulfide	.93003	1.0976	.05	-18	20	
methylene chloride	.39245	.40339	.05	-3	20	
methyl tert butyl ether	.99749	.81847	.05	18	20	
trans-1,2-dichloroethene	.38874	.45394	.05	-17	20	
Diisopropyl Ether	.64496	.58672	.05	9	20	
1,1-dichloroethane	.53465	.60809	.05	-14	20	
Ethyl-Tert-Butyl-Ether	.7945	.73005	.05	8	20	
2-butanone	.11892	.13218	.05	-11	20	
2,2-dichloropropane	.4836	.57824	.05	-20	20	
cis-1,2-dichloroethene	.43288	.49365	.05	-14	20	
chloroform	.75191	.81469	.05	-8	20	
bromochloromethane	.25895	.25276	.05	2	20	
tetrahydrofuran	.07455	.06692	.05	10	20	
1,1,1-trichloroethane	.67876	.77359	.05	-14	20	
1,1-dichloropropene	.48275	.58437	.05	-21	20	F
carbontetrachloride	100	107	.05	-7	20	
Tertiary-Amyl Methyl Ether	.8804	.79969	.05	9	20	
1,2-dichloroethane	.52946	.54542	.05	-3	20	
benzene	1.3328	1.5027	.05	-13	20	
trichloroethene	.45106	.50193	.05	-11	20	
1,2-dichloropropane	.28127	.30596	.05	-9	20	
bromodichloromethane	.54449	.57975	.05	-6	20	
1,4-dioxane	.00532	.00489	.05	8	20	
dibromomethane	.29099	.28775	.05	1	20	
4-methyl-2-pentanone	.11275	.12751	.05	-13	20	
cis-1,3-dichloropropene	.52489	.52043	.05	1	20	
toluene	.99304	.97638	.05	2	20	
trans-1,3-dichloropropene	.49134	.49308	.05	0	20	
1,1,2-trichloroethane	.29063	.26131	.05	10	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1008195

Instrument ID: Newman.i Calibration Date: 02-JUN-2010 Time: 11:59

Lab File ID: 0602A01.D Init. Calib. Date(s): 19-MAY-2 19-MAY-2

Sample No: 8260 CCAL Init. Calib. Times : 19:58 23:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D
2-hexanone	.18039	.18744	.05	-4	20
1,3-dichloropropane	.55112	.50989	.05	7	20
tetrachloroethene	.64407	.70116	.05	-9	20
chlorodibromomethane	.57165	.49323	.05	14	20
1,2-dibromoethane	.45762	.40621	.05	11	20
chlorobenzene	1.3289	1.2798	.05	4	20
1,1,1,2-tetrachloroethane	.50612	.48123	.05	5	20
ethyl benzene	1.9351	2.0240	.05	-5	20
p/m xylene	.80881	.84811	.05	-5	20
o xylene	.7697	.76514	.05	1	20
styrene	1.2103	1.1900	.05	2	20
bromoform	.64082	.52647	.05	18	20
isopropylbenzene	2.9280	2.9257	.05	0	20
1,1,2,2,-tetrachloroethane	.67679	.60201	.05	11	20
1,2,3-trichloropropane	.52037	.49629	.05	5	20
n-propylbenzene	3.1804	3.2752	.05	-3	20
bromobenzene	1.0486	.97286	.05	7	20
1,3,5-trimethybenzene	2.5284	2.4845	.05	2	20
2-chlorotoluene	2.2302	2.1897	.05	2	20
4-chorotoluene	2.0499	2.0554	.05	0	20
tert-butylbenzene	2.3987	2.3113	.05	4	20
1,2,4-trimethylbenzene	2.5424	2.5337	.05	0	20
sec-butylbenzene	3.1994	3.2803	.05	-3	20
p-isopropyltoluene	2.8264	2.9816	.05	-5	20
1,3-dichlorobenzene	1.8200	1.7679	.05	3	20
1,4-dichlorobenzene	1.8944	1.8012	.05	5	20
n-butylbenzene	2.6768	2.9559	.05	-10	20
1,2-dichlorobenzene	1.7728	1.6004	.05	10	20
1,2-dibromo-3-chloropropane	.15445	.13045	.05	16	20
1,2,4-trichlorobenzene	1.4282	1.3809	.05	3	20
hexachlorobutadiene	1.0362	.95436	.05	8	20
naphthalene	2.7495	2.2558	.05	18	20
1,2,3-trichlorobenzene	1.3778	1.1631	.05	16	20
dibromofluoromethane	.81844	.80188	.05	2	30
1,2-dichloroethane-d4	.67019	.65214	.05	3	30
toluene-d8	2.6099	2.4327	.05	7	30
4-bromofluorobenzene	1.6957	1.7099	.05	-1	30

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1008195

Instrument ID: Newman.i Calibration Date: 04-JUN-2010 Time: 09:17

Lab File ID: 0604B01.D Init. Calib. Date(s): 19-MAY-2 19-MAY-2

Sample No: 8260 CCAL Init. Calib. Times : 19:58 23:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.38792	.37008	.05	5	20	
chloromethane	.21046	.14611	.05	31	20	F
vinyl chloride	.17831	.17093	.05	4	20	
bromomethane	.24876	.23797	.05	4	20	
chloroethane	.14969	.17928	.05	-20	20	
trichlorofluoromethane	.71126	.70273	.05	1	20	
ethyl ether	.169	.14644	.05	13	20	
acetone	.09315	.08787	.05	6	20	
1,1,-dichloroethene	.32313	.33654	.05	-4	20	
carbon disulfide	.93003	.89629	.05	4	20	
methylene chloride	.39245	.38057	.05	3	20	
methyl tert butyl ether	.99749	.91202	.05	9	20	
trans-1,2-dichloroethene	.38874	.41447	.05	-7	20	
Diisopropyl Ether	.64496	.62456	.05	3	20	
1,1-dichloroethane	.53465	.57117	.05	-7	20	
Ethyl-Tert-Butyl-Ether	.7945	.81175	.05	-2	20	
2-butanone	.11892	.11598	.05	2	20	
2,2-dichloropropane	.4836	.55219	.05	-14	20	
cis-1,2-dichloroethene	.43288	.4528	.05	-5	20	
chloroform	.75191	.76304	.05	-1	20	
bromochloromethane	.25895	.24718	.05	5	20	
tetrahydrofuran	.07455	.06445	.05	14	20	
1,1,1-trichloroethane	.67876	.68269	.05	-1	20	
1,1-dichloropropene	.48275	.51084	.05	-6	20	
carbontetrachloride	100	96.993	.05	3	20	
Tertiary-Amyl Methyl Ether	.8804	.88868	.05	-1	20	
1,2-dichloroethane	.52946	.51578	.05	3	20	
benzene	1.3328	1.4117	.05	-6	20	
trichloroethene	.45106	.4612	.05	-2	20	
1,2-dichloropropane	.28127	.29147	.05	-4	20	
bromodichloromethane	.54449	.55183	.05	-1	20	
1,4-dioxane	.00532	.00493	.05	7	20	
dibromomethane	.29099	.27264	.05	6	20	
4-methyl-2-pentanone	.11275	.11348	.05	-1	20	
cis-1,3-dichloropropene	.52489	.49864	.05	5	20	
toluene	.99304	.90455	.05	9	20	
trans-1,3-dichloropropene	.49134	.48279	.05	2	20	
1,1,2-trichloroethane	.29063	.25283	.05	13	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1008195

Instrument ID: Newman.i Calibration Date: 04-JUN-2010 Time: 09:17

Lab File ID: 0604B01.D Init. Calib. Date(s): 19-MAY-2 19-MAY-2

Sample No: 8260 CCAL Init. Calib. Times : 19:58 23:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
2-hexanone	.18039	.15746	.05	13	20	
1,3-dichloropropane	.55112	.48418	.05	12	20	
tetrachloroethene	.64407	.61089	.05	5	20	
chlorodibromomethane	.57165	.45481	.05	20	20	
1,2-dibromoethane	.45762	.39629	.05	13	20	
chlorobenzene	1.3289	1.2151	.05	9	20	
1,1,1,2-tetrachloroethane	.50612	.45582	.05	10	20	
ethyl benzene	1.9351	1.8679	.05	3	20	
p/m xylene	.80881	.78513	.05	3	20	
o xylene	.7697	.76256	.05	1	20	
styrene	1.2103	1.1723	.05	3	20	
bromoform	.64082	.47975	.05	25	20	F
isopropylbenzene	2.9280	2.6423	.05	10	20	
1,1,2,2,-tetrachloroethane	.67679	.57404	.05	15	20	
1,2,3-trichloropropane	.52037	.46235	.05	11	20	
n-propylbenzene	3.1804	2.9611	.05	7	20	
bromobenzene	1.0486	.92567	.05	12	20	
1,3,5-trimethybenzene	2.5284	2.2938	.05	9	20	
2-chlorotoluene	2.2302	2.0277	.05	9	20	
4-chorotoluene	2.0499	1.9229	.05	6	20	
tert-butylbenzene	2.3987	2.1153	.05	12	20	
1,2,4-trimethylbenzene	2.5424	2.3633	.05	7	20	
sec-butylbenzene	3.1994	2.9460	.05	8	20	
p-isopropyltoluene	2.8264	2.7265	.05	4	20	
1,3-dichlorobenzene	1.8200	1.6879	.05	7	20	
1,4-dichlorobenzene	1.8944	1.7113	.05	10	20	
n-butylbenzene	2.6768	2.6117	.05	2	20	
1,2-dichlorobenzene	1.7728	1.5576	.05	12	20	
1,2-dibromo-3-chloropropane	.15445	.11657	.05	25	20	F
1,2,4-trichlorobenzene	1.4282	1.3521	.05	5	20	
hexachlorobutadiene	1.0362	.85241	.05	18	20	
naphthalene	2.7495	2.2113	.05	20	20	
1,2,3-trichlorobenzene	1.3778	1.1373	.05	17	20	
dibromofluoromethane	.81844	.7889	.05	4	30	
1,2-dichloroethane-d4	.67019	.62703	.05	6	30	
toluene-d8	2.6099	2.4068	.05	8	30	
4-bromofluorobenzene	1.6957	1.6871	.05	1	30	

FORM VII MCP-8260HLW-10

ANALYTICAL REPORT

Lab Number:	L1008466
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER RD.
Project Number:	169909 PH II
Report Date:	06/08/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008466
Report Date: 06/08/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1008466-01	NSP	NEW BEDFORD	06/02/10 12:30

Project Name: 246 RIVER RD. **Lab Number:** L1008466

Project Number: 169909 PH II **Report Date:** 06/08/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	YES
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 246 RIVER RD. **Lab Number:** L1008466
Project Number: 169909 PH II **Report Date:** 06/08/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Report Submission

All MCP required questions were answered with affirmative responses; therefore, there are no relevant protocol-specific QC and/or performance standard non-conformances to report.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/08/10

METALS

Project Name:	246 RIVER RD.	**Lab Number:**	L1008466
Project Number:	169909 PH II	**Report Date:**	06/08/10

SAMPLE RESULTS

Lab ID:	L1008466-01	Date Collected:	06/02/10 12:30
Client ID:	NSP	Date Received:	06/02/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	06/03/10 18:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Lead, TCLP	0.79		mg/l	0.50	--	1	06/08/10 11:40	06/08/10 13:38	EPA 3015	1,6010B	AI

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008466
Report Date: 06/08/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG416708-1										
Lead, TCLP	ND		mg/l	0.50	--	1	06/08/10 11:40	06/08/10 13:28	1,6010B	AI

Prep Information

Digestion Method: EPA 3015

TCLP Extraction Date: 06/03/10 18:15

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER RD.

Project Number: 169909 PH II

Lab Number: L1008466

Report Date: 06/08/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG416708-2								
Lead, TCLP	99		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008466
Report Date: 06/08/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG416708-4 QC Sample: L1008466-01 Client ID: NSP												
Lead, TCLP	0.79	10	11	102		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909 PH II

Lab Number: L1008466
Report Date: 06/08/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG416708-3 QC Sample: L1008466-01 Client ID: NSP						
Lead, TCLP	0.79	0.78	mg/l	1		20

Project Name:	246 RIVER RD.	**Lab Number:**	L1008466
Project Number:	169909 PH II	**Report Date:**	06/08/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	246 RIVER RD.	**Lab Number:**	L1008466
Project Number:	169909 PH II	**Report Date:**	06/08/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: 246 RIVER RD. **Lab Number:** L1008466
Project Number: 169909 PH II **Report Date:** 06/08/10

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

L1008466

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/2/10

ALPHA Job #: ~~L1005195~~ KB 6/7/10

Client Information

Client: TRC SOLUTIONS

Address: 650 SUFFOLK ST

WANNALANCIT MILLS LOWELL MA

Phone: 978-970-5600

Fax:

Email: JFIERO@TRCSOLUTIONS.COM DPETTIT@TRCSOLUTIONS.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 RIVER RD.

Project Location: NEW BEDFORD

Project #: 169909 PH II

Project Manager: TOM BIOLSI

ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved!)

Date Due: ~~6/7/10~~ 72 HR. Time: 6/9/10 KB

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
MCP - CAM	COMM 97

Other Project Specific Requirements/Comments/Detection Limits:

KB

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260 HI LOW	TOTAL SOLIDS	TPH DRO	PCBS	SVOC 8270	TOTAL RCRA 5 METALS	TOTAL PB	CONDUCT (WTY)	TCLP RCRA 5	TCLP PB	TCLPB	Sample Specific Comments	TOTAL # BOTTLES
~~08195-1~~	MSP	6/2	12:00	SOIL	JF		✓					✓		H				2
84666-2	NSP	6/2	12:30	SOIL	JF	✓	✓	✓	✓	✓	✓		✓	H		X		6
3	TRIP BLANK	6/2	—	—	JF	✓												3

SAMPLE HANDLING

Filtration ☐ Done ☐ Not needed ☐ Lab to do

Preservation ☐ Lab to do (Please specify below)

Container Type	A	P	A	A	A	A	A	A	A			
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/2 1535	[signature]	6/2/10 1535
[signature]	6/2/10 1535	[signature]	6/2/10 1730
[signature]	6/2/10 1850	[signature]	6/2/10 1850

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

ANALYTICAL REPORT

Lab Number:	L1008727
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER ROAD
Project Number:	169909
Report Date:	06/14/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1008727-01	NSP 2	NEW BEDFORD, MA	06/10/10 10:30

Project Name: 246 RIVER ROAD **Lab Number:** L1008727

Project Number: 169909 **Report Date:** 06/14/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 246 RIVER ROAD **Lab Number:** L1008727
Project Number: 169909 **Report Date:** 06/14/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Report Submission

This report contains the results for sample "NSP 2". The results for all other samples will be issued under separate cover.

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Metals.

Volatile Organics

In reference to question G:

Carbon disulfide and Tetrahydrofuran did not achieve the requested CAM reporting limits.

Project Name: 246 RIVER ROAD **Lab Number:** L1008727
Project Number: 169909 **Report Date:** 06/14/10

Case Narrative (continued)

In reference to question H:
The WG417393-4/-5 LCS/LCSD recoveries, associated with L1008727-01, are below the acceptance criteria for Chloromethane (56%/58%) and 1,4-Dioxane (LCS at 66%); however, they have been identified as "difficult" analytes and are within the 40-160% acceptance limits. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for these compounds.
The initial calibration, associated with L1008727-01, did not meet the method required minimum response factor for 1,4-Dioxane.
The continuing calibration standard, associated with L1008727-01, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Semivolatile Organics
In reference to question G:
Acetophenone did not achieve the requested CAM reporting limit.
In reference to question H:
The WG417413-2/-3 LCS/LCSD recoveries, associated with L1008727-01, is below the individual acceptance criteria for Aniline (33%/32%) and 2,4-Dinitrophenol (14%/21%), but within the overall method allowances. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for these compounds. In addition, the associated LCS/LCSD RPD is above the acceptance criteria for 2,4-Dinitrophenol (40%).
The WG417413-2/-3 LCS/LCSD RPD, associated with L1008727-01, is above the acceptance criteria for 2,4-Dimethylphenol (32%); however, the individual LCS/LCSD recoveries are within method limits.

PCB
In reference to question H:
The WG417372-2/-3 LCS/LCSD RPDs, associated with L1008727-01, are above the acceptance criteria for Aroclor 1016 (33%) and Aroclor 1260 (31%); however, the individual LCS/LCSD recoveries are within method limits.

Project Name:	246 RIVER ROAD	**Lab Number:**	L1008727
Project Number:	169909	**Report Date:**	06/14/10

Case Narrative (continued)

Metals

LCS/LCSD SRM Lot#: ERA D067-540

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 06/14/10

ORGANICS

VOLATILES

Project Name: 246 RIVER ROAD **Lab Number:** L1008727

Project Number: 169909 **Report Date:** 06/14/10

SAMPLE RESULTS

Lab ID:	L1008727-01	Date Collected:	06/10/10 10:30
Client ID:	NSP 2	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	06/11/10 16:19		
Analyst:	BN		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.1	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.81	--	1
1,2-Dichloropropane	ND		ug/kg	2.8	--	1
Dibromochloromethane	ND		ug/kg	0.81	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.81	--	1
Chlorobenzene	ND		ug/kg	0.81	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.81	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.81	--	1
Bromodichloromethane	ND		ug/kg	0.81	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.81	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.81	--	1
1,1-Dichloropropene	ND		ug/kg	4.0	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.81	--	1
Benzene	ND		ug/kg	0.81	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.81	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.81	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Trichloroethene	ND		ug/kg	0.81	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.0	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1008727

Project Number: 169909 **Report Date:** 06/14/10

SAMPLE RESULTS

Lab ID: L1008727-01 Date Collected: 06/10/10 10:30

Client ID: NSP 2 Date Received: 06/10/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	4.0	--	1
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.81	--	1
Dibromomethane	ND		ug/kg	8.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	8.1	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	8.1	--	1
Acetone	ND		ug/kg	29	--	1
Carbon disulfide	ND		ug/kg	40	--	1
2-Butanone	ND		ug/kg	8.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.1	--	1
2-Hexanone	ND		ug/kg	8.1	--	1
Bromochloromethane	ND		ug/kg	4.0	--	1
Tetrahydrofuran	ND		ug/kg	16	--	1
2,2-Dichloropropane	ND		ug/kg	4.0	--	1
1,2-Dibromoethane	ND		ug/kg	3.2	--	1
1,3-Dichloropropane	ND		ug/kg	4.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.81	--	1
Bromobenzene	ND		ug/kg	4.0	--	1
n-Butylbenzene	ND		ug/kg	0.81	--	1
sec-Butylbenzene	ND		ug/kg	0.81	--	1
tert-Butylbenzene	ND		ug/kg	4.0	--	1
o-Chlorotoluene	ND		ug/kg	4.0	--	1
p-Chlorotoluene	ND		ug/kg	4.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--	1
Hexachlorobutadiene	ND		ug/kg	4.0	--	1
Isopropylbenzene	ND		ug/kg	0.81	--	1
p-Isopropyltoluene	ND		ug/kg	0.81	--	1
Naphthalene	ND		ug/kg	4.0	--	1
n-Propylbenzene	ND		ug/kg	0.81	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--	1
Ethyl ether	ND		ug/kg	4.0	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1008727

Project Number: 169909 **Report Date:** 06/14/10

SAMPLE RESULTS

Lab ID:	L1008727-01	Date Collected:	06/10/10 10:30
Client ID:	NSP 2	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	3.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.2	--	1
1,4-Dioxane	ND		ug/kg	400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	117		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	92		70-130

Project Name: 246 RIVER ROAD **Lab Number:** L1008727

Project Number: 169909 **Report Date:** 06/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/11/10 08:31
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01 Batch: WG417393-6					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	5.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	5.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	5.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--
1,2-Dichlorobenzene	ND		ug/kg	5.0	--
1,3-Dichlorobenzene	ND		ug/kg	5.0	--
1,4-Dichlorobenzene	ND		ug/kg	5.0	--

Project Name: 246 RIVER ROAD **Lab Number:** L1008727

Project Number: 169909 **Report Date:** 06/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/11/10 08:31
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01 Batch: WG417393-6					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	10	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	50	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	5.0	--
Tetrahydrofuran	ND		ug/kg	20	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	5.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	5.0	--
o-Chlorotoluene	ND		ug/kg	5.0	--
p-Chlorotoluene	ND		ug/kg	5.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--
Hexachlorobutadiene	ND		ug/kg	5.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	5.0	--
n-Propylbenzene	ND		ug/kg	1.0	--

Project Name: 246 RIVER ROAD **Lab Number:** L1008727

Project Number: 169909 **Report Date:** 06/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/11/10 08:31
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01 Batch: WG417393-6					
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--
Ethyl ether	ND		ug/kg	5.0	--
Isopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	200	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01 Batch: WG417393-4 WG417393-5								
Methylene chloride	83		84		70-130	1		20
1,1-Dichloroethane	92		92		70-130	0		20
Chloroform	86		86		70-130	0		20
Carbon tetrachloride	85		88		70-130	3		20
1,2-Dichloropropane	85		87		70-130	2		20
Dibromochloromethane	89		89		70-130	0		20
1,1,2-Trichloroethane	94		94		70-130	0		20
Tetrachloroethene	104		105		70-130	1		20
Chlorobenzene	96		97		70-130	1		20
Trichlorofluoromethane	91		90		70-130	1		20
1,2-Dichloroethane	83		82		70-130	1		20
1,1,1-Trichloroethane	89		90		70-130	1		20
Bromodichloromethane	86		86		70-130	0		20
trans-1,3-Dichloropropene	107		107		70-130	0		20
cis-1,3-Dichloropropene	80		81		70-130	1		20
1,1-Dichloropropene	93		92		70-130	1		20
Bromoform	95		96		70-130	1		20
1,1,2,2-Tetrachloroethane	100		100		70-130	0		20
Benzene	89		90		70-130	1		20
Toluene	98		99		70-130	1		20
Ethylbenzene	103		103		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01 Batch: WG417393-4 WG417393-5								
Chloromethane	**56**	Q	**58**	Q	70-130	4		20
Bromomethane	106		104		70-130	2		20
Vinyl chloride	82		82		70-130	0		20
Chloroethane	108		106		70-130	2		20
1,1-Dichloroethene	91		92		70-130	1		20
trans-1,2-Dichloroethene	93		93		70-130	0		20
Trichloroethene	89		89		70-130	0		20
1,2-Dichlorobenzene	102		104		70-130	2		20
1,3-Dichlorobenzene	108		110		70-130	2		20
1,4-Dichlorobenzene	106		107		70-130	1		20
Methyl tert butyl ether	79		79		70-130	0		20
p/m-Xylene	103		104		70-130	1		20
o-Xylene	102		103		70-130	1		20
cis-1,2-Dichloroethene	90		92		70-130	2		20
Dibromomethane	78		79		70-130	1		20
1,2,3-Trichloropropane	105		108		70-130	3		20
Styrene	106		106		70-130	0		20
Dichlorodifluoromethane	78		78		70-130	0		20
Acetone	79		83		70-130	5		20
Carbon disulfide	83		83		70-130	0		20
2-Butanone	81		86		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01 Batch: WG417393-4 WG417393-5								
4-Methyl-2-pentanone	84		86		70-130	2		20
2-Hexanone	93		99		70-130	6		20
Bromochloromethane	84		84		70-130	0		20
Tetrahydrofuran	75		78		70-130	4		20
2,2-Dichloropropane	101		102		70-130	1		20
1,2-Dibromoethane	89		90		70-130	1		20
1,3-Dichloropropane	94		95		70-130	1		20
1,1,1,2-Tetrachloroethane	100		100		70-130	0		20
Bromobenzene	105		104		70-130	1		20
n-Butylbenzene	117		118		70-130	1		20
sec-Butylbenzene	109		111		70-130	2		20
tert-Butylbenzene	104		105		70-130	1		20
o-Chlorotoluene	107		109		70-130	2		20
p-Chlorotoluene	110		112		70-130	2		20
1,2-Dibromo-3-chloropropane	92		98		70-130	6		20
Hexachlorobutadiene	94		96		70-130	2		20
Isopropylbenzene	108		109		70-130	1		20
p-Isopropyltoluene	113		115		70-130	2		20
Naphthalene	90		91		70-130	1		20
n-Propylbenzene	111		112		70-130	1		20
1,2,3-Trichlorobenzene	93		94		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER ROAD

Project Number: 169909

Lab Number: L1008727

Report Date: 06/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01 Batch: WG417393-4 WG417393-5								
1,2,4-Trichlorobenzene	106		106		70-130	0		20
1,3,5-Trimethylbenzene	107		109		70-130	2		20
1,2,4-Trimethylbenzene	109		110		70-130	1		20
Ethyl ether	84		84		70-130	0		20
Isopropyl Ether	80		81		70-130	1		20
Ethyl-Tert-Butyl-Ether	87		88		70-130	1		20
Tertiary-Amyl Methyl Ether	80		81		70-130	1		20
1,4-Dioxane	**66**	Q	77		70-130	15		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		100		70-130
Toluene-d8	110		110		70-130
4-Bromofluorobenzene	103		104		70-130
Dibromofluoromethane	95		96		70-130

SEMIVOLATILES

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1008727
Report Date: 06/14/10

SAMPLE RESULTS

Lab ID:	L1008727-01	Date Collected:	06/10/10 10:30
Client ID:	NSP 2	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	06/11/10 11:15
Analytical Date:	06/14/10 12:54		
Analyst:	PS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	370	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	370	--	1
Hexachlorobenzene	ND		ug/kg	370	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	370	--	1
2-Chloronaphthalene	ND		ug/kg	370	--	1
1,2-Dichlorobenzene	ND		ug/kg	370	--	1
1,3-Dichlorobenzene	ND		ug/kg	370	--	1
1,4-Dichlorobenzene	ND		ug/kg	370	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	730	--	1
2,4-Dinitrotoluene	ND		ug/kg	370	--	1
2,6-Dinitrotoluene	ND		ug/kg	370	--	1
Azobenzene	ND		ug/kg	370	--	1
Fluoranthene	1600		ug/kg	370	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	370	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	370	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	--	1
Hexachlorobutadiene	ND		ug/kg	730	--	1
Hexachloroethane	ND		ug/kg	370	--	1
Isophorone	ND		ug/kg	370	--	1
Naphthalene	ND		ug/kg	370	--	1
Nitrobenzene	ND		ug/kg	370	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	730	--	1
Butyl benzyl phthalate	ND		ug/kg	370	--	1
Di-n-butylphthalate	ND		ug/kg	370	--	1
Di-n-octylphthalate	ND		ug/kg	370	--	1
Diethyl phthalate	ND		ug/kg	370	--	1
Dimethyl phthalate	ND		ug/kg	370	--	1
Benzo(a)anthracene	680		ug/kg	370	--	1
Benzo(a)pyrene	640		ug/kg	370	--	1
Benzo(b)fluoranthene	770		ug/kg	370	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1008727

Project Number: 169909 **Report Date:** 06/14/10

SAMPLE RESULTS

Lab ID:	L1008727-01	Date Collected:	06/10/10 10:30
Client ID:	NSP 2	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	ND		ug/kg	370	--	1
Chrysene	690		ug/kg	370	--	1
Acenaphthylene	ND		ug/kg	370	--	1
Anthracene	ND		ug/kg	370	--	1
Benzo(ghi)perylene	410		ug/kg	370	--	1
Fluorene	ND		ug/kg	370	--	1
Phenanthrene	840		ug/kg	370	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	370	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	370	--	1
Pyrene	1400		ug/kg	370	--	1
Aniline	ND		ug/kg	730	--	1
4-Chloroaniline	ND		ug/kg	370	--	1
Dibenzofuran	ND		ug/kg	370	--	1
2-Methylnaphthalene	ND		ug/kg	370	--	1
Acetophenone	ND		ug/kg	1500	--	1
2,4,6-Trichlorophenol	ND		ug/kg	370	--	1
2-Chlorophenol	ND		ug/kg	440	--	1
2,4-Dichlorophenol	ND		ug/kg	730	--	1
2,4-Dimethylphenol	ND		ug/kg	370	--	1
2-Nitrophenol	ND		ug/kg	1500	--	1
4-Nitrophenol	ND		ug/kg	730	--	1
2,4-Dinitrophenol	ND		ug/kg	1500	--	1
Pentachlorophenol	ND		ug/kg	1500	--	1
Phenol	ND		ug/kg	510	--	1
2-Methylphenol	ND		ug/kg	440	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	440	--	1
2,4,5-Trichlorophenol	ND		ug/kg	370	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		30-130
Phenol-d6	49		30-130
Nitrobenzene-d5	45		30-130
2-Fluorobiphenyl	49		30-130
2,4,6-Tribromophenol	54		30-130
4-Terphenyl-d14	85		30-130

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 06/14/10 10:47
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/11/10 11:14

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG417413-1					
Acenaphthene	ND		ug/kg	330	--
1,2,4-Trichlorobenzene	ND		ug/kg	330	--
Hexachlorobenzene	ND		ug/kg	330	--
Bis(2-chloroethyl)ether	ND		ug/kg	330	--
2-Chloronaphthalene	ND		ug/kg	330	--
1,2-Dichlorobenzene	ND		ug/kg	330	--
1,3-Dichlorobenzene	ND		ug/kg	330	--
1,4-Dichlorobenzene	ND		ug/kg	330	--
3,3'-Dichlorobenzidine	ND		ug/kg	670	--
2,4-Dinitrotoluene	ND		ug/kg	330	--
2,6-Dinitrotoluene	ND		ug/kg	330	--
Azobenzene	ND		ug/kg	330	--
Fluoranthene	ND		ug/kg	330	--
4-Bromophenyl phenyl ether	ND		ug/kg	330	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	330	--
Bis(2-chloroethoxy)methane	ND		ug/kg	330	--
Hexachlorobutadiene	ND		ug/kg	670	--
Hexachloroethane	ND		ug/kg	330	--
Isophorone	ND		ug/kg	330	--
Naphthalene	ND		ug/kg	330	--
Nitrobenzene	ND		ug/kg	330	--
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670	--
Butyl benzyl phthalate	ND		ug/kg	330	--
Di-n-butylphthalate	ND		ug/kg	330	--
Di-n-octylphthalate	ND		ug/kg	330	--
Diethyl phthalate	ND		ug/kg	330	--
Dimethyl phthalate	ND		ug/kg	330	--
Benzo(a)anthracene	ND		ug/kg	330	--
Benzo(a)pyrene	ND		ug/kg	330	--
Benzo(b)fluoranthene	ND		ug/kg	330	--
Benzo(k)fluoranthene	ND		ug/kg	330	--

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 06/14/10 10:47
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/11/10 11:14

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG417413-1					
Chrysene	ND		ug/kg	330	--
Acenaphthylene	ND		ug/kg	330	--
Anthracene	ND		ug/kg	330	--
Benzo(ghi)perylene	ND		ug/kg	330	--
Fluorene	ND		ug/kg	330	--
Phenanthrene	ND		ug/kg	330	--
Dibenzo(a,h)anthracene	ND		ug/kg	330	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	330	--
Pyrene	ND		ug/kg	330	--
Aniline	ND		ug/kg	670	--
4-Chloroaniline	ND		ug/kg	330	--
Dibenzofuran	ND		ug/kg	330	--
2-Methylnaphthalene	ND		ug/kg	330	--
Acetophenone	ND		ug/kg	1300	--
2,4,6-Trichlorophenol	ND		ug/kg	330	--
2-Chlorophenol	ND		ug/kg	400	--
2,4-Dichlorophenol	ND		ug/kg	670	--
2,4-Dimethylphenol	ND		ug/kg	330	--
2-Nitrophenol	ND		ug/kg	1300	--
4-Nitrophenol	ND		ug/kg	670	--
2,4-Dinitrophenol	ND		ug/kg	1300	--
Pentachlorophenol	ND		ug/kg	1300	--
Phenol	ND		ug/kg	470	--
2-Methylphenol	ND		ug/kg	400	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	400	--
2,4,5-Trichlorophenol	ND		ug/kg	330	--

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 06/14/10 10:47
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/11/10 11:14

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG417413-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		30-130
Phenol-d6	72		30-130
Nitrobenzene-d5	68		30-130
2-Fluorobiphenyl	71		30-130
2,4,6-Tribromophenol	69		30-130
4-Terphenyl-d14	72		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG417413-2 WG417413-3								
Acenaphthene	65		70		40-140	7		30
1,2,4-Trichlorobenzene	64		61		40-140	5		30
Hexachlorobenzene	67		70		40-140	4		30
Bis(2-chloroethyl)ether	64		58		40-140	10		30
2-Chloronaphthalene	92		88		40-140	4		30
1,2-Dichlorobenzene	67		63		40-140	6		30
1,3-Dichlorobenzene	64		57		40-140	12		30
1,4-Dichlorobenzene	64		58		40-140	10		30
3,3'-Dichlorobenzidine	49		53		40-140	8		30
2,4-Dinitrotoluene	71		78		40-140	9		30
2,6-Dinitrotoluene	67		70		40-140	4		30
Azobenzene	74		80		40-140	8		30
Fluoranthene	77		82		40-140	6		30
4-Bromophenyl phenyl ether	66		71		40-140	7		30
Bis(2-chloroisopropyl)ether	64		58		40-140	10		30
Bis(2-chloroethoxy)methane	64		60		40-140	6		30
Hexachlorobutadiene	70		64		40-140	9		30
Hexachloroethane	62		57		40-140	8		30
Isophorone	68		64		40-140	6		30
Naphthalene	71		68		40-140	4		30
Nitrobenzene	72		67		40-140	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1008727
Report Date: 06/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG417413-2 WG417413-3								
Bis(2-Ethylhexyl)phthalate	86		92		40-140	7		30
Butyl benzyl phthalate	76		80		40-140	5		30
Di-n-butylphthalate	80		86		40-140	7		30
Di-n-octylphthalate	84		88		40-140	5		30
Diethyl phthalate	73		79		40-140	8		30
Dimethyl phthalate	70		76		40-140	8		30
Benzo(a)anthracene	76		82		40-140	8		30
Benzo(a)pyrene	66		72		40-140	9		30
Benzo(b)fluoranthene	81		89		40-140	9		30
Benzo(k)fluoranthene	76		87		40-140	13		30
Chrysene	74		78		40-140	5		30
Acenaphthylene	68		69		40-140	1		30
Anthracene	76		80		40-140	5		30
Benzo(ghi)perylene	71		80		40-140	12		30
Fluorene	69		74		40-140	7		30
Phenanthrene	72		77		40-140	7		30
Dibenzo(a,h)anthracene	77		81		40-140	5		30
Indeno(1,2,3-cd)Pyrene	74		81		40-140	9		30
Pyrene	72		76		40-140	5		30
Aniline	**33**	Q	**32**	Q	40-140	3		30
4-Chloroaniline	46		50		40-140	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1008727
Report Date: 06/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG417413-2 WG417413-3								
Dibenzofuran	71		74		40-140	4		30
2-Methylnaphthalene	72		70		40-140	3		30
Acetophenone	81		76		40-140	6		30
2,4,6-Trichlorophenol	66		72		30-130	9		30
2-Chlorophenol	70		64		30-130	9		30
2,4-Dichlorophenol	71		71		30-130	0		30
2,4-Dimethylphenol	62		45		30-130	**32**	Q	30
2-Nitrophenol	66		62		30-130	6		30
4-Nitrophenol	78		88		30-130	12		30
2,4-Dinitrophenol	**14**	Q	**21**	Q	30-130	**40**	Q	30
Pentachlorophenol	60		70		30-130	15		30
Phenol	72		65		30-130	10		30
2-Methylphenol	70		67		30-130	4		30
3-Methylphenol/4-Methylphenol	70		66		30-130	6		30
2,4,5-Trichlorophenol	68		70		30-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER ROAD

Project Number: 169909

Lab Number: L1008727

Report Date: 06/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG417413-2 WG417413-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		63		30-130
Phenol-d6	74		63		30-130
Nitrobenzene-d5	70		57		30-130
2-Fluorobiphenyl	73		64		30-130
2,4,6-Tribromophenol	77		79		30-130
4-Terphenyl-d14	76		75		30-130

PETROLEUM HYDROCARBONS

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1008727
Report Date: 06/14/10

SAMPLE RESULTS

Lab ID:	L1008727-01	Date Collected:	06/10/10 10:30
Client ID:	NSP 2	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	06/11/10 18:33
Analytical Date:	06/13/10 09:26		
Analyst:	NR		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	243000		ug/kg	37700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	84		40-140

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 06/12/10 21:38
Analyst: NR

Extraction Method: EPA 3546
Extraction Date: 06/11/10 18:33

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG417520-1					
TPH	ND		ug/kg	33300	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	98		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER ROAD

Project Number: 169909

Lab Number: L1008727

Report Date: 06/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG417520-2								
TPH	98		-		40-140	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	99				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 QC Batch ID: WG417520-3 QC Sample: L1008727-01 Client ID: NSP 2						
TPH	243000	182000	ug/kg	29		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	84		88		40-140

PCBS

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1008727
Report Date: 06/14/10

SAMPLE RESULTS

Lab ID:	L1008727-01	Date Collected:	06/10/10 10:30
Client ID:	NSP 2	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	06/11/10 12:33
Analytical Date:	06/14/10 09:55	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/14/10
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	06/14/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	40.1	--	1
Aroclor 1221	ND		ug/kg	40.1	--	1
Aroclor 1232	ND		ug/kg	40.1	--	1
Aroclor 1242	ND		ug/kg	40.1	--	1
Aroclor 1248	ND		ug/kg	40.1	--	1
Aroclor 1254	ND		ug/kg	40.1	--	1
Aroclor 1260	ND		ug/kg	40.1	--	1
Aroclor 1262	ND		ug/kg	40.1	--	1
Aroclor 1268	ND		ug/kg	40.1	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	74		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	84		30-150	A

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082
Analytical Date: 06/14/10 09:18
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 06/11/10 12:33
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/14/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/14/10

Parameter	Result	Qualifier	Units	RL	MDL
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG417372-1					
Aroclor 1016	ND		ug/kg	33.3	--
Aroclor 1221	ND		ug/kg	33.3	--
Aroclor 1232	ND		ug/kg	33.3	--
Aroclor 1242	ND		ug/kg	33.3	--
Aroclor 1248	ND		ug/kg	33.3	--
Aroclor 1254	ND		ug/kg	33.3	--
Aroclor 1260	ND		ug/kg	33.3	--
Aroclor 1262	ND		ug/kg	33.3	--
Aroclor 1268	ND		ug/kg	33.3	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	49		30-150	B
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	59		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER ROAD

Project Number: 169909

Lab Number: L1008727

Report Date: 06/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG417372-2 WG417372-3								
Aroclor 1016	84		60		40-140	**33**	Q	30
Aroclor 1260	105		77		40-140	**31**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		88		30-150	B
Decachlorobiphenyl	77		80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		86		30-150	A
Decachlorobiphenyl	94		101		30-150	A

METALS

Project Name:	246 RIVER ROAD	**Lab Number:**	L1008727
Project Number:	169909	**Report Date:**	06/14/10

SAMPLE RESULTS

Lab ID:	L1008727-01	Date Collected:	06/10/10 10:30
Client ID:	NSP 2	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	06/11/10 16:40
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Lead, TCLP	1.8		mg/l	0.50	--	1	06/12/10 16:30	06/13/10 14:41	EPA 3015	1,6010B	MG

Project Name:	246 RIVER ROAD	**Lab Number:**	L1008727
Project Number:	169909	**Report Date:**	06/14/10

SAMPLE RESULTS

Lab ID:	L1008727-01	Date Collected:	06/10/10 10:30
Client ID:	NSP 2	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Arsenic, Total	4.3		mg/kg	0.46	--	1	06/11/10 18:00	06/13/10 19:01	EPA 3050B	97,6010B	MG
Cadmium, Total	ND		mg/kg	0.46	--	1	06/11/10 18:00	06/13/10 19:01	EPA 3050B	97,6010B	MG
Chromium, Total	18		mg/kg	0.46	--	1	06/11/10 18:00	06/13/10 19:01	EPA 3050B	97,6010B	MG
Lead, Total	210		mg/kg	2.3	--	1	06/11/10 18:00	06/13/10 19:01	EPA 3050B	97,6010B	MG
Mercury, Total	0.20		mg/kg	0.10	--	1	06/11/10 13:04	06/12/10 13:08	EPA 7471A	97,7471A	EZ

Project Name: 246 RIVER ROAD **Lab Number:** L1008727

Project Number: 169909 **Report Date:** 06/14/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG417477-1										
Mercury, Total	ND		mg/kg	0.08	--	1	06/11/10 13:04	06/12/10 13:02	97,7471A	EZ

Prep Information

Digestion Method: EPA 7471A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG417533-1										
Arsenic, Total	ND		mg/kg	0.40	--	1	06/11/10 18:00	06/13/10 18:39	97,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	--	1	06/11/10 18:00	06/13/10 18:39	97,6010B	MG
Chromium, Total	ND		mg/kg	0.40	--	1	06/11/10 18:00	06/13/10 18:39	97,6010B	MG
Lead, Total	ND		mg/kg	2.0	--	1	06/11/10 18:00	06/13/10 18:39	97,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG417632-1										
Lead, TCLP	ND		mg/l	0.50	--	1	06/12/10 16:30	06/13/10 14:30	1,6010B	MG

Prep Information

Digestion Method: EPA 3015

TCLP Extraction Date: 06/11/10 16:40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG417477-2 WG417477-3								
Mercury, Total	118		118		68-133	0		30
MCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG417533-2 WG417533-3								
Arsenic, Total	101		101		80-120	0		30
Cadmium, Total	92		94		82-118	2		30
Chromium, Total	93		95		80-120	2		30
Lead, Total	97		97		80-120	0		30
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG417632-2								
Lead, TCLP	100		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1008727
Report Date: 06/14/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG417632-4 QC Sample: L1008727-01 Client ID: NSP 2												
Lead, TCLP	1.8	10	12	102		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG417632-3 QC Sample: L1008727-01 Client ID: NSP 2						
Lead, TCLP	1.8	1.8	mg/l	0		20

INORGANICS
&
MISCELLANEOUS

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

SAMPLE RESULTS

Lab ID: L1008727-01
Client ID: NSP 2
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 06/10/10 10:30
Date Received: 06/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance	310		umhos/cm	10	--	1	-	06/14/10 13:00	1,9050A	JO
Solids, Total	87		%	0.10	NA	1	-	06/11/10 10:57	30,2540G	AC

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER ROAD

Project Number: 169909

Lab Number: L1008727

Report Date: 06/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG417743-1								
Specific Conductance	91		-		80-120	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG417403-1 QC Sample: L1008696-01 Client ID: DUP Sample						
Solids, Total	85	86	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG417743-2 QC Sample: L1008727-01 Client ID: NSP 2						
Specific Conductance	310	340	umhos/cm	9		20

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1008727
Report Date: 06/14/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/11/2010 01:21

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1008727-01A	Vial MeOH preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1008727-01B	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1008727-01C	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1008727-01D	Plastic 2oz unpreserved for TS	A	N/A	4	Y	Absent	TS(7)
L1008727-01E	Amber 250ml unpreserved	A	N/A	4	Y	Absent	MCP-8082-10(),MCP-8270-10(14),TPH-DRO-D(14)
L1008727-01F	Amber 250ml unpreserved	A	N/A	4	Y	Absent	MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),COND-9050(28),MCP-PB-6010T-10(180)
L1008727-01X	Plastic 250ml HNO3 preserved spl	A	N/A	4	Y	Absent	PB-CI(180)

*Values in parentheses indicate holding time in days

Project Name:	246 RIVER ROAD	**Lab Number:**	L1008727
Project Number:	169909	**Report Date:**	06/14/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1008727
Project Number:	169909	**Report Date:**	06/14/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: 246 RIVER ROAD **Lab Number:** L1008727
Project Number: 169909 **Report Date:** 06/14/10

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/10/10

ALPHA Job #: L1008727

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: TRC SOLUTIONS

Address: 650 SUFFOLK ST
WANNALANCIT MILLS LOWELL MA.

Phone: 978-970-5600

Fax:

Email: JPIERO@TRCSOLUTIONS.COM
DPETTITG " " "

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 RIVER RD.

Project Location: NEW BEDFORD MA

Project #: 169909

Project Manager: TOM B. / DAVID P.

ALPHA Quote #:

Turn-Around Time

☑ Standard LOAM ☑ RUSH (only confirmed if pre-approved!) NSP-2

Date Due: 6/14/10 24-48 HR. Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: MA Criteria: MCP & COM 97.

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC, 8260 HI LOW	TPH DRO	PCB	SVOC 8270	RCRA 5 METALS	RCRA 8 METALS	EPH / VPH MADEP	TOTAL SOLIDS	CONDUCTIVITY	PESTICIDE / HERBICIDE	TCLP Pb IF 20X		Sample Specific Comments	TOTAL # BOTTLES
~~8727.1~~	LAL LOAM	6/10	8:00	SOIL	JF	✓		✓	✓		✓	✓	✓		✓			STANDARD TAT	6
8727.01	NSP 2	6/10	10:30	SOIL	JF	✓	✓	✓	✓	✓			✓	✓		H		RUSH	6
	TRIP BLANK					✓													

Container Type	VOA	A	A	A	A	A	A VOA	A	A	A	A	A
Preservative	MeOH	NA	NA	NA	NA	NA	MeOH DI	NA	NA	NA	NA	NA

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
James C. Piero	6/10 13:45	[illegible]	6/10/10 13:45
P. Williams	6/10/10 17:45	P. Williams / [illegible]	6/10/10 16:20
		[illegible]	6/10/10 17:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1008727

Instrument ID: Newman.i Calibration Date: 11-JUN-2010 Time: 07:20

Lab File ID: 0611A01.D Init. Calib. Date(s): 19-MAY-2 19-MAY-2

Sample No: 8260 CCAL Init. Calib. Times : 19:58 23:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.38792	.30191	.05	22	20	F
chloromethane	.21046	.1171	.05	44	20	F
vinyl chloride	.17831	.14659	.05	18	20	
bromomethane	.24876	.26252	.05	-6	20	
chloroethane	.14969	.16154	.05	-8	20	
trichlorofluoromethane	.71126	.647	.05	9	20	
ethyl ether	.169	.14125	.05	16	20	
acetone	.09315	.07377	.05	21	20	F
1,1,-dichloroethene	.32313	.29309	.05	9	20	
carbon disulfide	.93003	.7736	.05	17	20	
methylene chloride	.39245	.32537	.05	17	20	
methyl tert butyl ether	.99749	.79062	.05	21	20	F
trans-1,2-dichloroethene	.38874	.36015	.05	7	20	
Diisopropyl Ether	.64496	.51832	.05	20	20	
1,1-dichloroethane	.53465	.49027	.05	8	20	
Ethyl-Tert-Butyl-Ether	.7945	.69268	.05	13	20	
2-butanone	.11892	.09584	.05	19	20	
2,2-dichloropropane	.4836	.49056	.05	-1	20	
cis-1,2-dichloroethene	.43288	.39071	.05	10	20	
chloroform	.75191	.64694	.05	14	20	
bromochloromethane	.25895	.21725	.05	16	20	
tetrahydrofuran	.07455	.05603	.05	25	20	F
1,1,1-trichloroethane	.67876	.60494	.05	11	20	
1,1-dichloropropene	.48275	.4475	.05	7	20	
carbontetrachloride	100	84.593	.05	15	20	
Tertiary-Amyl Methyl Ether	.8804	.70667	.05	20	20	
1,2-dichloroethane	.52946	.44042	.05	17	20	
benzene	1.3328	1.191	.05	11	20	
trichloroethene	.45106	.40031	.05	11	20	
1,2-dichloropropane	.28127	.24001	.05	15	20	
bromodichloromethane	.54449	.46569	.05	14	20	
1,4-dioxane	.00532	.00349	.05	34	20	F
dibromomethane	.29099	.22855	.05	21	20	F
4-methyl-2-pentanone	.11275	.09417	.05	16	20	
cis-1,3-dichloropropene	.52489	.41976	.05	20	20	F
toluene	.99304	.97362	.05	2	20	
trans-1,3-dichloropropene	.49134	.52393	.05	-7	20	
1,1,2-trichloroethane	.29063	.27292	.05	6	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1008727

Instrument ID: Newman.i Calibration Date: 11-JUN-2010 Time: 07:20

Lab File ID: 0611A01.D Init. Calib. Date(s): 19-MAY-2 19-MAY-2

Sample No: 8260 CCAL Init. Calib. Times : 19:58 23:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D
2-hexanone	.18039	.16725	.05	7	20
1,3-dichloropropane	.55112	.51766	.05	6	20
tetrachloroethene	.64407	.66791	.05	-4	20
chlorodibromomethane	.57165	.5099	.05	11	20
1,2-dibromoethane	.45762	.40757	.05	11	20
chlorobenzene	1.3289	1.2816	.05	4	20
1,1,1,2-tetrachloroethane	.50612	.50426	.05	0	20
ethyl benzene	1.9351	1.9866	.05	-3	20
p/m xylene	.80881	.83048	.05	-3	20
o xylene	.7697	.78382	.05	-2	20
styrene	1.2103	1.2813	.05	-6	20
bromoform	.64082	.60867	.05	5	20
isopropylbenzene	2.9280	3.1587	.05	-8	20
1,1,2,2,-tetrachloroethane	.67679	.6734	.05	1	20
1,2,3-trichloropropane	.52037	.54802	.05	-5	20
n-propylbenzene	3.1804	3.5183	.05	-11	20
bromobenzene	1.0486	1.1019	.05	-5	20
1,3,5-trimethybenzene	2.5284	2.6999	.05	-7	20
2-chlorotoluene	2.2302	2.3898	.05	-7	20
4-chorotoluene	2.0499	2.2578	.05	-10	20
tert-butylbenzene	2.3987	2.4865	.05	-4	20
1,2,4-trimethylbenzene	2.5424	2.7827	.05	-9	20
sec-butylbenzene	3.1994	3.4774	.05	-9	20
p-isopropyltoluene	2.8264	3.1882	.05	-13	20
1,3-dichlorobenzene	1.8200	1.9623	.05	-8	20
1,4-dichlorobenzene	1.8944	2.0076	.05	-6	20
n-butylbenzene	2.6768	3.1318	.05	-17	20
1,2-dichlorobenzene	1.7728	1.8152	.05	-2	20
1,2-dibromo-3-chloropropane	.15445	.14294	.05	7	20
1,2,4-trichlorobenzene	1.4282	1.5128	.05	-6	20
hexachlorobutadiene	1.0362	.97209	.05	6	20
naphthalene	2.7495	2.4888	.05	9	20
1,2,3-trichlorobenzene	1.3778	1.2856	.05	7	20
dibromofluoromethane	.81844	.78048	.05	5	30
1,2-dichloroethane-d4	.67019	.66948	.05	0	30
toluene-d8	2.6099	2.8732	.05	-10	30
4-bromofluorobenzene	1.6957	1.745	.05	-3	30

FORM VII MCP-8260HLW-10

ANALYTICAL REPORT

Lab Number:	L1009131
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	David Sullivan
Phone:	(978) 656-3565
Project Name:	RIVER ROAD
Project Number:	Not Specified
Report Date:	06/21/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009131
Report Date: 06/21/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1009131-01	NSP-3	NEW BEDFORD	06/17/10 13:00
L1009131-02	NSP-3(B)	NEW BEDFORD	06/17/10 13:00
L1009131-03	TRIP BLANK	NEW BEDFORD	06/17/10 00:00

Project Name: RIVER ROAD **Lab Number:** L1009131

Project Number: Not Specified **Report Date:** 06/21/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: RIVER ROAD **Lab Number:** L1009131
Project Number: Not Specified **Report Date:** 06/21/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Report Submission

This report contains the results for the Total Lead analysis. The results for all other analyses will be issued under separate cover.

Sample Receipt

A Trip Blank was received but not listed on the Chain of Custody. The Trip Blank was placed on hold.

In reference to question H:

A Matrix Spike was not submitted for the analysis of Metals.

Project Name: RIVER ROAD **Lab Number:** L1009131
Project Number: Not Specified **Report Date:** 06/21/10

Case Narrative (continued)

Metals

LCS/LCSD SRM Lot# ERA D067-540

In reference to question H:

The WG418811-3 LCSD recovery, associated with L1009131-01 and -02 was above the acceptance criteria for Lead (139%). Re-analysis achieved a similar recovery of Lead (139%). The LCS recovery was within acceptance criteria. No further action was required. In addition, the associated WG418811-2/-3 LCS/LCSD RPD is above the acceptance criteria for Lead (36%).

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 06/21/10

METALS

Project Name:	RIVER ROAD	**Lab Number:**	L1009131
Project Number:	Not Specified	**Report Date:**	06/21/10

SAMPLE RESULTS

Lab ID:	L1009131-01	Date Collected:	06/17/10 13:00
Client ID:	NSP-3	Date Received:	06/17/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	260		mg/kg	2.3	--	1	06/18/10 09:30	06/20/10 15:01	EPA 3050B	97,6010B	MG

Project Name:	RIVER ROAD	**Lab Number:**	L1009131
Project Number:	Not Specified	**Report Date:**	06/21/10

SAMPLE RESULTS

Lab ID:	L1009131-02	Date Collected:	06/17/10 13:00
Client ID:	NSP-3(B)	Date Received:	06/17/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	220		mg/kg	2.2	--	1	06/18/10 09:30	06/20/10 15:08	EPA 3050B	97,6010B	MG

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009131
Report Date: 06/21/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG418811-1										
Lead, Total	ND		mg/kg	2.0	--	1	06/18/10 09:30	06/20/10 14:49	97,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER ROAD

Project Number: Not Specified

Lab Number: L1009131

Report Date: 06/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG418811-2 WG418811-3								
Lead, Total	97		**139**	Q	80-120	**36**	Q	30

INORGANICS
&
MISCELLANEOUS

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009131
Report Date: 06/21/10

SAMPLE RESULTS

Lab ID: L1009131-01
Client ID: NSP-3
Sample Location: NEW BEDFORD
Matrix: Soil

Date Collected: 06/17/10 13:00
Date Received: 06/17/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88		%	0.10	NA	1	-	06/18/10 11:42	30,2540G	AC

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009131
Report Date: 06/21/10

SAMPLE RESULTS

Lab ID: L1009131-02
Client ID: NSP-3(B)
Sample Location: NEW BEDFORD
Matrix: Soil

Date Collected: 06/17/10 13:00
Date Received: 06/17/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88		%	0.10	NA	1	-	06/18/10 11:42	30,2540G	AC

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009131
Report Date: 06/21/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG418696-1 QC Sample: L1008882-11 Client ID: DUP Sample						
Solids, Total	60	58	%	3		20

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009131
Report Date: 06/21/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/17/2010 22:34

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1009131-01A	Amber 250ml unpreserved	A	N/A	4	Y	Absent	TS(7),MCP-PB-6010T-10(180)
L1009131-01B	Amber 250ml unpreserved	A	N/A	4	Y	Absent	TS(7)
L1009131-01C	Glass 100ml unpreserved	A	N/A	4	Y	Absent	TS(7)
L1009131-01D	Vial MeOH preserved	A	N/A	4	Y	Absent	TS(7)
L1009131-01E	Vial water preserved	A	N/A	4	Y	Absent	TS(7)
L1009131-01F	Vial water preserved	A	N/A	4	Y	Absent	TS(7)
L1009131-02A	Amber 250ml unpreserved	A	N/A	4	Y	Absent	TS(7),MCP-PB-6010T-10(180)
L1009131-03A	Vial MeOH preserved	A	N/A	4	Y	Absent	HOLD(14)
L1009131-03B	Vial water preserved	A	N/A	4	Y	Absent	HOLD(14)
L1009131-03C	Vial water preserved	A	N/A	4	Y	Absent	HOLD(14)

Container Comments

L1009131-01A

L1009131-02A

*Values in parentheses indicate holding time in days

Project Name:	RIVER ROAD	**Lab Number:**	L1009131
Project Number:	Not Specified	**Report Date:**	06/21/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	RIVER ROAD	**Lab Number:**	L1009131
Project Number:	Not Specified	**Report Date:**	06/21/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: RIVER ROAD **Lab Number:** L1009131
Project Number: Not Specified **Report Date:** 06/21/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 17, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/17/10

ALPHA Job #: L1009131

ALPHA ANALYTICAL SERVICES

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: TRC ENVIRONMENTAL

Address: 650 SUFFOLK ST.
LOWELL MA 01854

Phone: 978-970-5600

Fax:

Email: JFIERO @ TRCSOLUTIONS.COM
DPETTIT " " "

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RIVER ROAD

Project Location: NEW BEDFORD.

Project #:

Project Manager: DAVE SULLIVAN
DAVE PETTIT

ALPHA Quote #:

Turn-Around Time

☑ Standard HOLD COM97

☑ RUSH (only confirmed if pre-approved!) 48 HR TOTAL DD

Date Due:

Time: 6/21/10

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	RCRA 5 (-Pb)	TPH DRO	VOC 8260 W/LOW	SVOC 8270	PCBs	TOTAL SOLIDS	TOTAL Pb	CONDUCTIVITY.	TCLP Pb IN ZOX				Sample Specific Comments	TOTAL # BOTTLES
9131.1	NSP-3	6/17	13:00	SOIL	JF	H	H	H	H	H	~~RUSH~~	RUSH X2	H	H				RUN TOTAL Pb ON BOTH JARS. (X2) HOLD COM97	6
.2	NSP-3 (B)	6/17	13:00	SOIL	JF							RUSH						"	1

Container Type	A	A	VOA	A	A	A	A	A	A		
Preservative	–	MeOH DI	–	–	–	–	–	–	–		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

FORM NO: 01-01 (rev. 18-Jan-2010)

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/17 16:35	[signature]	6/17/10 1635
[signature]	6/17/10 1640	[signature]	6/17/10 1640
[signature]	6/17/10 17:25	[signature]	6/17/10 1725

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

ANALYTICAL REPORT

Lab Number:	L1009904
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	David Pettit
Phone:	(978) 656-3682
Project Name:	RIVER ROAD
Project Number:	Not Specified
Report Date:	07/06/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1009904-01	NSP-3	NEW BEDFORD	06/17/10 13:00

Project Name: RIVER ROAD **Lab Number:** L1009904

Project Number: Not Specified **Report Date:** 07/06/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: RIVER ROAD **Lab Number:** L1009904
Project Number: Not Specified **Report Date:** 07/06/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Metals.

Volatile Organics

In reference to question H:

The WG420998-1/-2 LCS/LCSD recoveries, associated with L1009904-01, are below the acceptance criteria for Carbon disulfide (68%/66%); however, it has been identified as a "difficult" analyte and is within the 40-160% acceptance limits. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for this compound.

The initial calibration, associated with L1009904-01, did not meet the method required minimum response

Project Name: RIVER ROAD **Lab Number:** L1009904
Project Number: Not Specified **Report Date:** 07/06/10

Case Narrative (continued)

factor for 1,4-Dioxane and Bromomethane.

The continuing calibration standard, associated with L1009904-01, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Metals

LCS/LCSD SRM Lot#: ERA D067-540

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 07/06/10

ORGANICS

VOLATILES

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

SAMPLE RESULTS

Lab ID: L1009904-01
Client ID: NSP-3
Sample Location: NEW BEDFORD
Matrix: Soil
Analytical Method: 97,8260B
Analytical Date: 07/01/10 18:24
Analyst: BN
Percent Solids: 88%

Date Collected: 06/17/10 13:00
Date Received: 06/17/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.5	--	1
1,1-Dichloroethane	ND		ug/kg	1.3	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.85	--	1
1,2-Dichloropropane	ND		ug/kg	3.0	--	1
Dibromochloromethane	ND		ug/kg	0.85	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	--	1
Tetrachloroethene	ND		ug/kg	0.85	--	1
Chlorobenzene	ND		ug/kg	0.85	--	1
Trichlorofluoromethane	ND		ug/kg	3.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.85	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.85	--	1
Bromodichloromethane	ND		ug/kg	0.85	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.85	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.85	--	1
1,1-Dichloropropene	ND		ug/kg	3.4	--	1
Bromoform	ND		ug/kg	3.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.85	--	1
Benzene	ND		ug/kg	0.85	--	1
Toluene	ND		ug/kg	1.3	--	1
Ethylbenzene	ND		ug/kg	0.85	--	1
Chloromethane	ND		ug/kg	3.4	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	1.7	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.85	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	--	1
Trichloroethene	ND		ug/kg	0.85	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.4	--	1

Project Name: RIVER ROAD **Lab Number:** L1009904

Project Number: Not Specified **Report Date:** 07/06/10

SAMPLE RESULTS

Lab ID: L1009904-01 Date Collected: 06/17/10 13:00

Client ID: NSP-3 Date Received: 06/17/10

Sample Location: NEW BEDFORD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	3.4	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	ND		ug/kg	1.7	--	1
o-Xylene	ND		ug/kg	1.7	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.85	--	1
Dibromomethane	ND		ug/kg	3.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.4	--	1
Styrene	ND		ug/kg	1.7	--	1
Dichlorodifluoromethane	ND		ug/kg	8.5	--	1
Acetone	ND		ug/kg	30	--	1
Carbon disulfide	ND		ug/kg	3.4	--	1
2-Butanone	ND		ug/kg	8.5	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.5	--	1
2-Hexanone	ND		ug/kg	8.5	--	1
Bromochloromethane	ND		ug/kg	3.4	--	1
Tetrahydrofuran	ND		ug/kg	3.4	--	1
2,2-Dichloropropane	ND		ug/kg	4.2	--	1
1,2-Dibromoethane	ND		ug/kg	3.4	--	1
1,3-Dichloropropane	ND		ug/kg	3.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.85	--	1
Bromobenzene	ND		ug/kg	4.2	--	1
n-Butylbenzene	ND		ug/kg	0.85	--	1
sec-Butylbenzene	ND		ug/kg	0.85	--	1
tert-Butylbenzene	ND		ug/kg	3.4	--	1
o-Chlorotoluene	ND		ug/kg	3.4	--	1
p-Chlorotoluene	ND		ug/kg	3.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	--	1
Hexachlorobutadiene	ND		ug/kg	3.4	--	1
Isopropylbenzene	ND		ug/kg	0.85	--	1
p-Isopropyltoluene	ND		ug/kg	0.85	--	1
Naphthalene	ND		ug/kg	3.4	--	1
n-Propylbenzene	ND		ug/kg	0.85	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.4	--	1
Ethyl ether	ND		ug/kg	4.2	--	1

Project Name: RIVER ROAD **Lab Number:** L1009904

Project Number: Not Specified **Report Date:** 07/06/10

SAMPLE RESULTS

Lab ID:	L1009904-01	Date Collected:	06/17/10 13:00
Client ID:	NSP-3	Date Received:	06/17/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	3.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.4	--	1
1,4-Dioxane	ND		ug/kg	420	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	103		70-130

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 07/01/10 08:42
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01 Batch: WG420998-3					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--
1,4-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: RIVER ROAD **Lab Number:** L1009904

Project Number: Not Specified **Report Date:** 07/06/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 07/01/10 08:42
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01 Batch: WG420998-3					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 07/01/10 08:42
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01 Batch: WG420998-3					
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
Ethyl ether	ND		ug/kg	5.0	--
Isopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	200	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01 Batch: WG420998-1 WG420998-2								
Methylene chloride	101		98		70-130	3		20
1,1-Dichloroethane	99		96		70-130	3		20
Chloroform	99		99		70-130	0		20
Carbon tetrachloride	100		96		70-130	4		20
1,2-Dichloropropane	96		95		70-130	1		20
Dibromochloromethane	91		93		70-130	2		20
1,1,2-Trichloroethane	87		88		70-130	1		20
Tetrachloroethene	96		94		70-130	2		20
Chlorobenzene	92		90		70-130	2		20
Trichlorofluoromethane	114		108		70-130	5		20
1,2-Dichloroethane	100		102		70-130	2		20
1,1,1-Trichloroethane	104		99		70-130	5		20
Bromodichloromethane	103		101		70-130	2		20
trans-1,3-Dichloropropene	94		95		70-130	1		20
cis-1,3-Dichloropropene	91		90		70-130	1		20
1,1-Dichloropropene	97		92		70-130	5		20
Bromoform	86		90		70-130	5		20
1,1,2,2-Tetrachloroethane	87		89		70-130	2		20
Benzene	98		96		70-130	2		20
Toluene	91		88		70-130	3		20
Ethylbenzene	96		92		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01 Batch: WG420998-1 WG420998-2								
Chloromethane	92		84		70-130	9		20
Bromomethane	114		115		70-130	1		20
Vinyl chloride	100		94		70-130	6		20
Chloroethane	124		116		70-130	7		20
1,1-Dichloroethene	101		84		70-130	18		20
trans-1,2-Dichloroethene	102		100		70-130	2		20
Trichloroethene	95		93		70-130	2		20
1,2-Dichlorobenzene	94		94		70-130	0		20
1,3-Dichlorobenzene	94		93		70-130	1		20
1,4-Dichlorobenzene	95		92		70-130	3		20
Methyl tert butyl ether	92		93		70-130	1		20
p/m-Xylene	97		94		70-130	3		20
o-Xylene	92		88		70-130	4		20
cis-1,2-Dichloroethene	98		96		70-130	2		20
Dibromomethane	94		95		70-130	1		20
1,2,3-Trichloropropane	87		90		70-130	3		20
Styrene	93		92		70-130	1		20
Dichlorodifluoromethane	99		98		70-130	1		20
Acetone	84		95		70-130	12		20
Carbon disulfide	**68**	Q	**66**	Q	70-130	3		20
2-Butanone	86		94		70-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01 Batch: WG420998-1 WG420998-2								
4-Methyl-2-pentanone	87		98		70-130	12		20
2-Hexanone	84		92		70-130	9		20
Bromochloromethane	98		101		70-130	3		20
Tetrahydrofuran	80		86		70-130	7		20
2,2-Dichloropropane	106		102		70-130	4		20
1,2-Dibromoethane	89		90		70-130	1		20
1,3-Dichloropropane	90		91		70-130	1		20
1,1,1,2-Tetrachloroethane	95		94		70-130	1		20
Bromobenzene	94		93		70-130	1		20
n-Butylbenzene	91		87		70-130	4		20
sec-Butylbenzene	88		84		70-130	5		20
tert-Butylbenzene	90		87		70-130	3		20
o-Chlorotoluene	91		88		70-130	3		20
p-Chlorotoluene	96		92		70-130	4		20
1,2-Dibromo-3-chloropropane	81		84		70-130	4		20
Hexachlorobutadiene	85		82		70-130	4		20
Isopropylbenzene	92		87		70-130	6		20
p-Isopropyltoluene	93		89		70-130	4		20
Naphthalene	85		88		70-130	3		20
n-Propylbenzene	91		87		70-130	4		20
1,2,3-Trichlorobenzene	91		91		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01 Batch: WG420998-1 WG420998-2								
1,2,4-Trichlorobenzene	98		95		70-130	3		20
1,3,5-Trimethylbenzene	93		90		70-130	3		20
1,2,4-Trimethylbenzene	92		90		70-130	2		20
Ethyl ether	98		100		70-130	2		20
Isopropyl Ether	82		82		70-130	0		20
Ethyl-Tert-Butyl-Ether	91		92		70-130	1		20
Tertiary-Amyl Methyl Ether	88		89		70-130	1		20
1,4-Dioxane	71		78		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		107		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	95		97		70-130
Dibromofluoromethane	103		105		70-130

SEMIVOLATILES

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

SAMPLE RESULTS

Lab ID:	L1009904-01	Date Collected:	06/17/10 13:00
Client ID:	NSP-3	Date Received:	06/17/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	07/01/10 23:19
Analytical Date:	07/03/10 21:14		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	370	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	370	--	1
Hexachlorobenzene	ND		ug/kg	370	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	370	--	1
2-Chloronaphthalene	ND		ug/kg	370	--	1
1,2-Dichlorobenzene	ND		ug/kg	370	--	1
1,3-Dichlorobenzene	ND		ug/kg	370	--	1
1,4-Dichlorobenzene	ND		ug/kg	370	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	740	--	1
2,4-Dinitrotoluene	ND		ug/kg	370	--	1
2,6-Dinitrotoluene	ND		ug/kg	370	--	1
Azobenzene	ND		ug/kg	370	--	1
Fluoranthene	1800		ug/kg	370	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	370	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	370	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	--	1
Hexachlorobutadiene	ND		ug/kg	740	--	1
Hexachloroethane	ND		ug/kg	370	--	1
Isophorone	ND		ug/kg	370	--	1
Naphthalene	ND		ug/kg	370	--	1
Nitrobenzene	ND		ug/kg	370	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	740	--	1
Butyl benzyl phthalate	ND		ug/kg	370	--	1
Di-n-butylphthalate	ND		ug/kg	370	--	1
Di-n-octylphthalate	ND		ug/kg	370	--	1
Diethyl phthalate	ND		ug/kg	370	--	1
Dimethyl phthalate	ND		ug/kg	370	--	1
Benzo(a)anthracene	1000		ug/kg	370	--	1
Benzo(a)pyrene	830		ug/kg	370	--	1
Benzo(b)fluoranthene	1100		ug/kg	370	--	1

Project Name: RIVER ROAD **Lab Number:** L1009904

Project Number: Not Specified **Report Date:** 07/06/10

SAMPLE RESULTS

Lab ID: L1009904-01 Date Collected: 06/17/10 13:00

Client ID: NSP-3 Date Received: 06/17/10

Sample Location: NEW BEDFORD Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	390		ug/kg	370	--	1
Chrysene	1000		ug/kg	370	--	1
Acenaphthylene	ND		ug/kg	370	--	1
Anthracene	460		ug/kg	370	--	1
Benzo(ghi)perylene	520		ug/kg	370	--	1
Fluorene	ND		ug/kg	370	--	1
Phenanthrene	1300		ug/kg	370	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	370	--	1
Indeno(1,2,3-cd)Pyrene	560		ug/kg	370	--	1
Pyrene	1900		ug/kg	370	--	1
Aniline	ND		ug/kg	740	--	1
4-Chloroaniline	ND		ug/kg	370	--	1
Dibenzofuran	ND		ug/kg	370	--	1
2-Methylnaphthalene	ND		ug/kg	370	--	1
Acetophenone	ND		ug/kg	740	--	1
2,4,6-Trichlorophenol	ND		ug/kg	370	--	1
2-Chlorophenol	ND		ug/kg	440	--	1
2,4-Dichlorophenol	ND		ug/kg	740	--	1
2,4-Dimethylphenol	ND		ug/kg	370	--	1
2-Nitrophenol	ND		ug/kg	1500	--	1
4-Nitrophenol	ND		ug/kg	740	--	1
2,4-Dinitrophenol	ND		ug/kg	1500	--	1
Pentachlorophenol	ND		ug/kg	1500	--	1
Phenol	ND		ug/kg	520	--	1
2-Methylphenol	ND		ug/kg	440	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	440	--	1
2,4,5-Trichlorophenol	ND		ug/kg	370	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		30-130
Phenol-d6	87		30-130
Nitrobenzene-d5	81		30-130
2-Fluorobiphenyl	93		30-130
2,4,6-Tribromophenol	110		30-130
4-Terphenyl-d14	108		30-130

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 07/02/10 10:49
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 07/01/10 23:11

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG420968-1					
Acenaphthene	ND		ug/kg	330	--
1,2,4-Trichlorobenzene	ND		ug/kg	330	--
Hexachlorobenzene	ND		ug/kg	330	--
Bis(2-chloroethyl)ether	ND		ug/kg	330	--
2-Chloronaphthalene	ND		ug/kg	330	--
1,2-Dichlorobenzene	ND		ug/kg	330	--
1,3-Dichlorobenzene	ND		ug/kg	330	--
1,4-Dichlorobenzene	ND		ug/kg	330	--
3,3'-Dichlorobenzidine	ND		ug/kg	670	--
2,4-Dinitrotoluene	ND		ug/kg	330	--
2,6-Dinitrotoluene	ND		ug/kg	330	--
Azobenzene	ND		ug/kg	330	--
Fluoranthene	ND		ug/kg	330	--
4-Bromophenyl phenyl ether	ND		ug/kg	330	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	330	--
Bis(2-chloroethoxy)methane	ND		ug/kg	330	--
Hexachlorobutadiene	ND		ug/kg	670	--
Hexachloroethane	ND		ug/kg	330	--
Isophorone	ND		ug/kg	330	--
Naphthalene	ND		ug/kg	330	--
Nitrobenzene	ND		ug/kg	330	--
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670	--
Butyl benzyl phthalate	ND		ug/kg	330	--
Di-n-butylphthalate	ND		ug/kg	330	--
Di-n-octylphthalate	ND		ug/kg	330	--
Diethyl phthalate	ND		ug/kg	330	--
Dimethyl phthalate	ND		ug/kg	330	--
Benzo(a)anthracene	ND		ug/kg	330	--
Benzo(a)pyrene	ND		ug/kg	330	--
Benzo(b)fluoranthene	ND		ug/kg	330	--
Benzo(k)fluoranthene	ND		ug/kg	330	--

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 07/02/10 10:49
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 07/01/10 23:11

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG420968-1					
Chrysene	ND		ug/kg	330	--
Acenaphthylene	ND		ug/kg	330	--
Anthracene	ND		ug/kg	330	--
Benzo(ghi)perylene	ND		ug/kg	330	--
Fluorene	ND		ug/kg	330	--
Phenanthrene	ND		ug/kg	330	--
Dibenzo(a,h)anthracene	ND		ug/kg	330	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	330	--
Pyrene	ND		ug/kg	330	--
Aniline	ND		ug/kg	670	--
4-Chloroaniline	ND		ug/kg	330	--
Dibenzofuran	ND		ug/kg	330	--
2-Methylnaphthalene	ND		ug/kg	330	--
Acetophenone	ND		ug/kg	670	--
2,4,6-Trichlorophenol	ND		ug/kg	330	--
2-Chlorophenol	ND		ug/kg	400	--
2,4-Dichlorophenol	ND		ug/kg	670	--
2,4-Dimethylphenol	ND		ug/kg	330	--
2-Nitrophenol	ND		ug/kg	1300	--
4-Nitrophenol	ND		ug/kg	670	--
2,4-Dinitrophenol	ND		ug/kg	1300	--
Pentachlorophenol	ND		ug/kg	1300	--
Phenol	ND		ug/kg	470	--
2-Methylphenol	ND		ug/kg	400	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	400	--
2,4,5-Trichlorophenol	ND		ug/kg	330	--

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 07/02/10 10:49
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 07/01/10 23:11

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG420968-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	109		30-130
Phenol-d6	102		30-130
Nitrobenzene-d5	91		30-130
2-Fluorobiphenyl	99		30-130
2,4,6-Tribromophenol	107		30-130
4-Terphenyl-d14	109		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG420968-2 WG420968-3								
Acenaphthene	103		92		40-140	11		30
1,2,4-Trichlorobenzene	91		86		40-140	6		30
Hexachlorobenzene	101		97		40-140	4		30
Bis(2-chloroethyl)ether	98		87		40-140	12		30
2-Chloronaphthalene	109		109		40-140	0		30
1,2-Dichlorobenzene	95		87		40-140	9		30
1,3-Dichlorobenzene	94		82		40-140	14		30
1,4-Dichlorobenzene	94		85		40-140	10		30
3,3'-Dichlorobenzidine	61		59		40-140	3		30
2,4-Dinitrotoluene	107		107		40-140	0		30
2,6-Dinitrotoluene	96		96		40-140	0		30
Azobenzene	110		105		40-140	5		30
Fluoranthene	106		108		40-140	2		30
4-Bromophenyl phenyl ether	100		101		40-140	1		30
Bis(2-chloroisopropyl)ether	98		83		40-140	17		30
Bis(2-chloroethoxy)methane	97		85		40-140	13		30
Hexachlorobutadiene	99		88		40-140	12		30
Hexachloroethane	94		81		40-140	15		30
Isophorone	92		80		40-140	14		30
Naphthalene	97		92		40-140	5		30
Nitrobenzene	99		89		40-140	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG420968-2 WG420968-3								
Bis(2-Ethylhexyl)phthalate	119		109		40-140	9		30
Butyl benzyl phthalate	100		99		40-140	1		30
Di-n-butylphthalate	112		110		40-140	2		30
Di-n-octylphthalate	118		113		40-140	4		30
Diethyl phthalate	109		105		40-140	4		30
Dimethyl phthalate	106		102		40-140	4		30
Benzo(a)anthracene	109		107		40-140	2		30
Benzo(a)pyrene	97		94		40-140	3		30
Benzo(b)fluoranthene	131		134		40-140	2		30
Benzo(k)fluoranthene	124		96		40-140	25		30
Chrysene	108		104		40-140	4		30
Acenaphthylene	98		92		40-140	6		30
Anthracene	110		111		40-140	1		30
Benzo(ghi)perylene	106		103		40-140	3		30
Fluorene	109		104		40-140	5		30
Phenanthrene	109		106		40-140	3		30
Dibenzo(a,h)anthracene	107		104		40-140	3		30
Indeno(1,2,3-cd)Pyrene	104		104		40-140	0		30
Pyrene	99		102		40-140	3		30
Aniline	56		52		40-140	7		30
4-Chloroaniline	63		58		40-140	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG420968-2 WG420968-3								
Dibenzofuran	110		102		40-140	8		30
2-Methylnaphthalene	99		92		40-140	7		30
Acetophenone	104		93		40-140	11		30
2,4,6-Trichlorophenol	97		95		30-130	2		30
2-Chlorophenol	103		92		30-130	11		30
2,4-Dichlorophenol	104		100		30-130	4		30
2,4-Dimethylphenol	93		91		30-130	2		30
2-Nitrophenol	97		89		30-130	9		30
4-Nitrophenol	76		75		30-130	1		30
2,4-Dinitrophenol	51		38		30-130	29		30
Pentachlorophenol	61		57		30-130	7		30
Phenol	101		95		30-130	6		30
2-Methylphenol	100		92		30-130	8		30
3-Methylphenol/4-Methylphenol	100		90		30-130	11		30
2,4,5-Trichlorophenol	99		94		30-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG420968-2 WG420968-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	108		101		30-130
Phenol-d6	102		98		30-130
Nitrobenzene-d5	93		91		30-130
2-Fluorobiphenyl	102		99		30-130
2,4,6-Tribromophenol	106		111		30-130
4-Terphenyl-d14	104		107		30-130

PETROLEUM HYDROCARBONS

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

SAMPLE RESULTS

Lab ID:	L1009904-01	Date Collected:	06/17/10 13:00
Client ID:	NSP-3	Date Received:	06/17/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	07/01/10 21:41
Analytical Date:	07/02/10 15:00		
Analyst:	NR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	112000		ug/kg	37800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	112		40-140

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 07/02/10 12:44
Analyst: NR

Extraction Method: EPA 3546
Extraction Date: 07/01/10 21:41

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01 Batch: WG420958-1					
TPH	ND		ug/kg	33300	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	108		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER ROAD

Project Number: Not Specified

Lab Number: L1009904

Report Date: 07/06/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 Batch: WG420958-2								
TPH	111		-		40-140	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	105				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01 QC Batch ID: WG420958-3 QC Sample: L1009904-01 Client ID: NSP-3						
TPH	112000	113000	ug/kg	1		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	112		108		40-140

PCBS

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

SAMPLE RESULTS

Lab ID:	L1009904-01	Date Collected:	06/17/10 13:00
Client ID:	NSP-3	Date Received:	06/17/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	07/01/10 21:34
Analytical Date:	07/02/10 15:54	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	07/02/10
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	07/02/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	37.5	--	1
Aroclor 1221	ND		ug/kg	37.5	--	1
Aroclor 1232	ND		ug/kg	37.5	--	1
Aroclor 1242	ND		ug/kg	37.5	--	1
Aroclor 1248	ND		ug/kg	37.5	--	1
Aroclor 1254	ND		ug/kg	37.5	--	1
Aroclor 1260	ND		ug/kg	37.5	--	1
Aroclor 1262	ND		ug/kg	37.5	--	1
Aroclor 1268	ND		ug/kg	37.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	110		30-150	A

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082
Analytical Date: 07/06/10 10:54
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 07/01/10 21:34
Cleanup Method1: EPA 3665A
Cleanup Date1: 07/02/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 07/02/10

Parameter	Result	Qualifier	Units	RL	MDL
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG420956-1					
Aroclor 1016	ND		ug/kg	33.3	--
Aroclor 1221	ND		ug/kg	33.3	--
Aroclor 1232	ND		ug/kg	33.3	--
Aroclor 1242	ND		ug/kg	33.3	--
Aroclor 1248	ND		ug/kg	33.3	--
Aroclor 1254	ND		ug/kg	33.3	--
Aroclor 1260	ND		ug/kg	33.3	--
Aroclor 1262	ND		ug/kg	33.3	--
Aroclor 1268	ND		ug/kg	33.3	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	114		30-150	B
Decachlorobiphenyl	89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	127		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER ROAD

Project Number: Not Specified

Lab Number: L1009904

Report Date: 07/06/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG420956-2 WG420956-3								
Aroclor 1016	100		99		40-140	1		30
Aroclor 1260	105		103		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		100		30-150	B
Decachlorobiphenyl	80		80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		92		30-150	A
Decachlorobiphenyl	118		115		30-150	A

METALS

Project Name: RIVER ROAD
Project Number: Not Specified
Lab Number: L1009904
Report Date: 07/06/10

SAMPLE RESULTS

Lab ID: L1009904-01
Client ID: NSP-3
Sample Location: NEW BEDFORD
Matrix: Soil
Percent Solids: 88%

Date Collected: 06/17/10 13:00
Date Received: 06/17/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Arsenic, Total	4.1		mg/kg	0.47	--	1	06/18/10 09:30	06/20/10 15:01	EPA 3050B	97,6010B	MG
Cadmium, Total	ND		mg/kg	0.47	--	1	06/18/10 09:30	06/20/10 15:01	EPA 3050B	97,6010B	MG
Chromium, Total	14		mg/kg	0.47	--	1	06/18/10 09:30	06/20/10 15:01	EPA 3050B	97,6010B	MG
Mercury, Total	0.16		mg/kg	0.09	--	1	07/03/10 15:15	07/06/10 12:39	EPA 7471A	97,7471A	EZ

Project Name: RIVER ROAD **Lab Number:** L1009904

Project Number: Not Specified **Report Date:** 07/06/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG418811-1										
Arsenic, Total	ND		mg/kg	0.40	--	1	06/18/10 09:30	06/20/10 14:49	97,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	--	1	06/18/10 09:30	06/20/10 14:49	97,6010B	MG
Chromium, Total	ND		mg/kg	0.40	--	1	06/18/10 09:30	06/20/10 14:49	97,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG421239-1										
Mercury, Total	ND		mg/kg	0.08	--	1	07/03/10 15:15	07/06/10 12:02	97,7471A	EZ

Prep Information

Digestion Method: EPA 7471A

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG418811-2 WG418811-3								
Arsenic, Total	94		101		80-120	7		30
Cadmium, Total	89		90		82-118	1		30
Chromium, Total	90		92		80-120	2		30
MCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG421239-2 WG421239-3								
Mercury, Total	107		107		68-133	0		30

INORGANICS
&
MISCELLANEOUS

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

SAMPLE RESULTS

Lab ID: L1009904-01
Client ID: NSP-3
Sample Location: NEW BEDFORD
Matrix: Soil

Date Collected: 06/17/10 13:00
Date Received: 06/17/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance	210		umhos/cm	10	--	1	-	07/01/10 17:25	1,9050A	TL
Solids, Total	88		%	0.10	NA	1	-	06/18/10 11:42	30,2540G	AC

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER ROAD

Project Number: Not Specified

Lab Number: L1009904

Report Date: 07/06/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG420921-1								
Specific Conductance	92		-		80-120	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG420921-2 QC Sample: L1009904-01 Client ID: NSP-3						
Specific Conductance	210	220	umhos/cm	5		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG421353-1 QC Sample: L1009883-08 Client ID: DUP Sample						
Solids, Total	60	58	%	3		20

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1009904
Report Date: 07/06/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/17/2010 22:34

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1009904-01A	Vial MeOH preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1009904-01B	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1009904-01C	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1009904-01D	Amber 250ml unpreserved	A	N/A	4	Y	Absent	MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),COND-9050(28)
L1009904-01E	Amber 250ml unpreserved	A	N/A	4	Y	Absent	MCP-8082-10(),MCP-8270-10(14),TPH-DRO-D(14)

Container Comments

L1009904-01B

L1009904-01D

L1009904-01E

*Values in parentheses indicate holding time in days

Project Name:	RIVER ROAD	**Lab Number:**	L1009904
Project Number:	Not Specified	**Report Date:**	07/06/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	RIVER ROAD	**Lab Number:**	L1009904
Project Number:	Not Specified	**Report Date:**	07/06/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: RIVER ROAD **Lab Number:** L1009904
Project Number: Not Specified **Report Date:** 07/06/10

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 17, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

L1009904

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/17/10

ALPHA Job #: L1009131 JS 7/1/10

Client Information

Client: TRC ENVIRONMENTAL

Address: 650 SUFFOLK ST.
LOWELL MA 01854

Phone: 978-970-5600

Fax:

Email: JPIERO@TRCSOLUTIONS.COM
DPETTIT " " "

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RIVER ROAD

Project Location: NEW BEDFORD.

Project #:

Project Manager: DAVE SULLIVAN
DAVE PETTIT

ALPHA Quote #:

Turn-Around Time

☑ Standard HOLD COM97

☑ RUSH (only confirmed if pre-approved!) 48 HR TOTAL PB

Date Due: Time: 6/21/10

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	RCRA 5 (-Pb)	TPH DRO	VOC 8260 H/LOW	SVOC 8270	PCBs	TOTAL SOLIDS	~~RUSH~~ PB JS 7/1/10	CONDUCTIVITY	TCLP PB JS 7/1/10			Sample Specific Comments	Total # Bottles
9131.1 JS 7/1/10	NSP-3	6/17	13:00	SOIL	JF.	X	X	X	X	X	RUSH ~~XX~~	RUSH XX	X	X			RUN TOTAL PB ON BOTH JARS. (XZ) HOLD COM97	6
	NSP-3 (B)	6/17	13:00	SOIL	JF							RUSH					"	1

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

Container Type	A	A	VOA	A	A	A	A	A	A
Preservative	–	MeOH DI	–	–	–	–	–	–	–

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/17 16:35	[signature]	6/17/10 1635
[signature]	6/17/10 1640	[signature]	6/17/10 1640
[signature]	6/17/10 17:26	[signature]	6/17/10 1725

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1009904

Instrument ID: Charlie.i Calibration Date: 01-JUL-2010 Time: 07:47

Lab File ID: 0701B01.D Init. Calib. Date(s): 21-JUN-2 21-JUN-2

Sample No: 8260 CCAL Init. Calib. Times : 09:35 12:22

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.09584	.09525	.05	1	20	
chloromethane	.26955	.24881	.05	8	20	
vinyl chloride	.15296	.15298	.05	0	20	
bromomethane	.03257	.03719	.05	-14	20	F
chloroethane	.06049	.07531	.05	-24	20	F
trichlorofluoromethane	.13976	.15928	.05	-14	20	
ethyl ether	.05686	.05596	.05	2	20	
acetone	.12344	.10368	.05	16	20	
1,1,-dichloroethene	.10718	.10845	.05	-1	20	
carbon disulfide	.36567	.24889	.05	32	20	F
methylene chloride	.1459	.14725	.05	-1	20	
methyl tert butyl ether	.42656	.39051	.05	8	20	
trans-1,2-dichloroethene	.13191	.13395	.05	-2	20	
Diisopropyl Ether	.96919	.79146	.05	18	20	
1,1-dichloroethane	.32781	.32579	.05	1	20	
Ethyl-Tert-Butyl-Ether	.77334	.70051	.05	9	20	
2-butanone	.20116	.17252	.05	14	20	
2,2-dichloropropane	.17582	.18659	.05	-6	20	
cis-1,2-dichloroethene	.15219	.14865	.05	2	20	
chloroform	.22886	.22756	.05	1	20	
bromochloromethane	.0831	.08151	.05	2	20	
tetrahydrofuran	.14976	.11943	.05	20	20	F
1,1,1-trichloroethane	.20079	.20816	.05	-4	20	
1,1-dichloropropene	.16345	.15859	.05	3	20	
carbontetrachloride	.18305	.18228	.05	0	20	
Tertiary-Amyl Methyl Ether	.40869	.36174	.05	11	20	
1,2-dichloroethane	.30355	.30221	.05	0	20	
benzene	.50586	.49464	.05	2	20	
trichloroethene	.15354	.14633	.05	5	20	
1,2-dichloropropane	.19862	.19068	.05	4	20	
bromodichloromethane	.17503	.18095	.05	-3	20	
1,4-dioxane	.00319	.00226	.05	29	20	F
dibromomethane	.09953	.09351	.05	6	20	
4-methyl-2-pentanone	.15015	.13111	.05	13	20	
cis-1,3-dichloropropene	.21465	.19491	.05	9	20	
toluene	.45424	.41167	.05	9	20	
trans-1,3-dichloropropene	.26667	.25171	.05	6	20	
1,1,2-trichloroethane	.13771	.12025	.05	13	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1009904

Instrument ID: Charlie.i Calibration Date: 01-JUL-2010 Time: 07:47

Lab File ID: 0701B01.D Init. Calib. Date(s): 21-JUN-2 21-JUN-2

Sample No: 8260 CCAL Init. Calib. Times : 09:35 12:22

Compound	RRF	RRF	MIN RRF	%D	MAX %D
2-hexanone	.38637	.32523	.05	16	20
1,3-dichloropropane	.28799	.26033	.05	10	20
tetrachloroethene	.20518	.19773	.05	4	20
chlorodibromomethane	.20339	.18467	.05	9	20
1,2-dibromoethane	.19462	.1735	.05	11	20
chlorobenzene	.55045	.50567	.05	8	20
1,1,1,2-tetrachloroethane	.19386	.18421	.05	5	20
ethyl benzene	.84414	.8113	.05	4	20
p/m xylene	.32959	.31932	.05	3	20
o xylene	.30982	.28544	.05	8	20
styrene	.53667	.49732	.05	7	20
bromoform	.26083	.22529	.05	14	20
isopropylbenzene	1.4449	1.3263	.05	8	20
1,1,2,2,-tetrachloroethane	.40999	.35578	.05	13	20
1,2,3-trichloropropane	.53	.45901	.05	13	20
n-propylbenzene	1.6905	1.5403	.05	9	20
bromobenzene	.40476	.38167	.05	6	20
1,3,5-trimethybenzene	1.2460	1.1555	.05	7	20
2-chlorotoluene	1.0873	.98907	.05	9	20
4-chorotoluene	1.2270	1.1730	.05	4	20
tert-butylbenzene	1.1226	1.0102	.05	10	20
1,2,4-trimethylbenzene	1.3133	1.2144	.05	8	20
sec-butylbenzene	1.5645	1.3788	.05	12	20
p-isopropyltoluene	1.4066	1.3097	.05	7	20
1,3-dichlorobenzene	.80472	.75558	.05	6	20
1,4-dichlorobenzene	.8481	.8029	.05	5	20
n-butylbenzene	1.4568	1.3293	.05	9	20
1,2-dichlorobenzene	.7751	.72848	.05	6	20
1,2-dibromo-3-chloropropane	.11608	.0944	.05	19	20
1,2,4-trichlorobenzene	.59268	.58039	.05	2	20
hexachlorobutadiene	.30117	.25496	.05	15	20
naphthalene	1.8421	1.5597	.05	15	20
1,2,3-trichlorobenzene	.57996	.52962	.05	9	20
dibromofluoromethane	.25842	.26743	.05	-3	30
1,2-dichloroethane-d4	.3505	.37011	.05	-6	30
toluene-d8	1.2306	1.1928	.05	3	30
4-bromofluorobenzene	.89926	.85833	.05	5	30

FORM VII MCP-8260HLW-10

ANALYTICAL REPORT

Lab Number:	L1010092
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	David Pettit
Phone:	(978) 656-3682
Project Name:	RIVER ROAD
Project Number:	Not Specified
Report Date:	07/07/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1010092
Report Date: 07/07/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1010092-01	NSP-3	NEW BEDFORD	06/17/10 13:00

Project Name: RIVER ROAD **Lab Number:** L1010092

Project Number: Not Specified **Report Date:** 07/07/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	YES
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1010092
Report Date: 07/07/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Report Submission

All MCP required questions were answered with affirmative responses; therefore, there are no relevant protocol-specific QC and/or performance standard non-conformances to report.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 07/07/10

METALS

Project Name:	RIVER ROAD	**Lab Number:**	L1010092
Project Number:	Not Specified	**Report Date:**	07/07/10

SAMPLE RESULTS

Lab ID:	L1010092-01	Date Collected:	06/17/10 13:00
Client ID:	NSP-3	Date Received:	06/17/10
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	07/06/10 14:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Lead, TCLP	0.70		mg/l	0.50	--	1	07/07/10 09:30	07/07/10 11:45	EPA 3015	1,6010B	AI

Project Name: RIVER ROAD **Lab Number:** L1010092

Project Number: Not Specified **Report Date:** 07/07/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG421542-1										
Lead, TCLP	ND		mg/l	0.50	--	1	07/07/10 09:30	07/07/10 11:23	1,6010B	AI

Prep Information

Digestion Method: EPA 3015

TCLP Extraction Date: 07/06/10 14:50

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER ROAD

Project Number: Not Specified

Lab Number: L1010092

Report Date: 07/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG421542-2								
Lead, TCLP	100		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1010092
Report Date: 07/07/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG421542-4 QC Sample: L1010092-01 Client ID: NSP-3												
Lead, TCLP	0.70	10	11	103		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1010092
Report Date: 07/07/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG421542-3 QC Sample: L1010092-01 Client ID: NSP-3						
Lead, TCLP	0.70	0.71	mg/l	1		20

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1010092
Report Date: 07/07/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1010092-01A	Amber 250ml unpreserved	A	N/A	4	Y	Absent	-
L1010092-01B	Plastic 250ml HNO3 preserved spl	A	<2	4	Y	Absent	PB-CI(180)

Container Comments

L1010092-01A

*Values in parentheses indicate holding time in days

Project Name:	RIVER ROAD	**Lab Number:**	L1010092
Project Number:	Not Specified	**Report Date:**	07/07/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	RIVER ROAD	**Lab Number:**	L1010092
Project Number:	Not Specified	**Report Date:**	07/07/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: RIVER ROAD **Lab Number:** L1010092
Project Number: Not Specified **Report Date:** 07/07/10

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 17, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

L1010092 ~~L1009904~~ JS 7/6/10

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/17/10 | ALPHA Job #: L1009131 JS 7/1/10

ALPHA Analytical
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: TRC ENVIRONMENTAL
Address: 650 SUFFOLK ST.
LOWELL MA 01854
Phone: 978-970-5600
Fax:
Email: JPIEED@TRCSOLUTIONS.COM
DPETTIT " " "
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RIVER ROAD
Project Location: NEW BEDFORD.
Project #:
Project Manager: DAVE SULLIVAN, DAVE PETTIT
ALPHA Quote #:

Turn-Around Time

☑ Standard (HOLD COM97) ☑ RUSH (only confirmed if pre-approved) 48 HR TOTAL PB
Date Due: Time: 6/21/10

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: RCRA 8 (+Pb) JS 7/6/10; TPH DRO; VOC 8260; SVOC 8270; PCBs; TOTAL SOLIDS; Metals PB JS 7/1/10; Conventionals; TCLP PB JS 7/1/10; TCLP PB

SAMPLE HANDLING
Filtration: ☐ Done ☐ Not needed ☐ Lab to do
Preservation: ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	RCRA 8 (+Pb)	TPH DRO	VOC 8260	SVOC 8270	PCBs	TOTAL SOLIDS	Metals PB	Conventionals	TCLP PB	TCLP PB	TCLP PB	Sample Specific Comments	Total # Bottles
94 [illegible]	NSP-3	6/17	13:00	SOIL	JF.	X	X	X	X	X	RUSH ~~48 HR~~	RUSH ~~48 HR~~	X	X		X	RUN TOTAL PB ON BOTH JARS (XZ) HOLD COM97	6
JS 7/1/10	NSP-3 (B)	6/17	13:00	SOIL	JF.							RUSH						1

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type	A	A	VOA	A	A	A	A	A	A		
Preservative	-	MeOH DI	-	-	-	-	-	-	-		

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/17 16:35	[signature]	6/17/10 1635
[signature]	6/17/10 1640	[signature]	6/17/10 1640
[signature]	6/17/10 1725	[signature]	6/17/10 1725

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1006338
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	RIVER ROAD
Project Number:	169909
Report Date:	05/03/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIVER ROAD
Project Number: 169909

Lab Number: L1006338
Report Date: 05/03/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006338-01	PX-1-1	246 RIVER ROAD	04/30/10 15:20
L1006338-02	PX-1-2	246 RIVER ROAD	04/30/10 15:30

Project Name: RIVER ROAD **Lab Number:** L1006338

Project Number: 169909 **Report Date:** 05/03/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	YES
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: RIVER ROAD **Lab Number:** L1006338
Project Number: 169909 **Report Date:** 05/03/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Metals

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 05/03/10

METALS

Project Name:	RIVER ROAD	**Lab Number:**	L1006338
Project Number:	169909	**Report Date:**	05/03/10

SAMPLE RESULTS

Lab ID:	L1006338-01	Date Collected:	04/30/10 15:20
Client ID:	PX-1-1	Date Received:	04/30/10
Sample Location:	246 RIVER ROAD	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	26		mg/kg	2.0	1	05/01/10 15:10	05/03/10 11:17	EPA 3050B	97,6010B	MG

Project Name:	RIVER ROAD	**Lab Number:**	L1006338
Project Number:	169909	**Report Date:**	05/03/10

SAMPLE RESULTS

Lab ID:	L1006338-02	Date Collected:	04/30/10 15:30
Client ID:	PX-1-2	Date Received:	04/30/10
Sample Location:	246 RIVER ROAD	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	8.3		mg/kg	1.9	1	05/01/10 15:10	05/03/10 11:20	EPA 3050B	97,6010B	MG

Project Name: RIVER ROAD **Lab Number:** L1006338

Project Number: 169909 **Report Date:** 05/03/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG410748-1									
Lead, Total	ND		mg/kg	2.0	1	05/01/10 15:10	05/03/10 13:13	97,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 169909

Lab Number: L1006338
Report Date: 05/03/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG410748-2 WG410748-3								
Lead, Total	112		103		80-120	8		30

INORGANICS
&
MISCELLANEOUS

Project Name: RIVER ROAD
Project Number: 169909

Lab Number: L1006338
Report Date: 05/03/10

SAMPLE RESULTS

Lab ID: L1006338-01
Client ID: PX-1-1
Sample Location: 246 RIVER ROAD
Matrix: Soil

Date Collected: 04/30/10 15:20
Date Received: 04/30/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	95		%	0.10	1	-	05/02/10 18:04	30,2540G	NM

Project Name: RIVER ROAD
Project Number: 169909

Lab Number: L1006338
Report Date: 05/03/10

SAMPLE RESULTS

Lab ID: L1006338-02
Client ID: PX-1-2
Sample Location: 246 RIVER ROAD
Matrix: Soil

Date Collected: 04/30/10 15:30
Date Received: 04/30/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	95		%	0.10	1	-	05/02/10 18:04	30,2540G	NM

Project Name: RIVER ROAD
Project Number: 169909

Lab Number: L1006338
Report Date: 05/03/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L1006338-01A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	MCP-PB-6010T-10(180)
L1006338-01B	Plastic 2oz unpreserved for TS	A	N/A	5	Y	Absent	TS(7)
L1006338-02A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	MCP-PB-6010T-10(180)
L1006338-02B	Plastic 2oz unpreserved for TS	A	N/A	5	Y	Absent	TS(7)

*Hold days indicated by values in parentheses

Project Name:	RIVER ROAD	**Lab Number:**	L1006338
Project Number:	169909	**Report Date:**	05/03/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND	- Not detected at the reported detection limit (RDL) for the sample.

Report Format: Data Usability Report

Project Name: RIVER ROAD **Lab Number:** L1006338
Project Number: 169909 **Report Date:** 05/03/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised March 16, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 4/30/10

ALPHA Job #: L1006338

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: City of New Bedford / TRC
Address: 650 Suffolk St
Lowell MA 02138
Phone: 978-970-5600
Fax:
Email: dsullivan@trcsolutions.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: River Road
Project Location: 246 River Road
Project #: 169909
Project Manager: Tom Biolsi
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!) 1-Day TAT
Date Due: 5/3/10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MCP S-1 Criteria S-1 Cleanup (Method 1)

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: Total Lead										Sample Specific Comments	TOTAL # BOTTLES
6338.1	PX-1-1	~~1520~~ JSG 4/30/10	1520	S	JSG	X										Also bottle for Total Solids	1(2)
.2	PX-1-2	4/30/10	1530	S	JSG/JF	X										"	1(2)
	~~PX-1-3~~	~~4/30/10~~	~~1540~~	~~S~~	~~JSG/JF~~	~~X~~											
	JSG 4/30/10																

SAMPLE HANDLING
Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type: 250 ml amber
Preservative: None

Relinquished By:	Date/Time	Received By:	Date/Time
JSG 4/30/10 [signature]	4/30/10 1537	[signature]	4/30/10 1537
[signature]	4/30/10 1825	[signature]	4/30/10 1825

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1006441
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER RD. NEW BEDFORD
Project Number:	169909
Report Date:	05/04/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER RD. NEW BEDFORD
Project Number: 169909

Lab Number: L1006441
Report Date: 05/04/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006441-01	PX-1-3	NEW BEDFORD, MA	04/30/10 15:50
L1006441-02	PX-1-4	NEW BEDFORD, MA	05/03/10 11:40
L1006441-03	PX-1-5	NEW BEDFORD, MA	05/03/10 11:50

Project Name:	246 RIVER RD. NEW BEDFORD	**Lab Number:**	L1006441
Project Number:	169909	**Report Date:**	05/04/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	YES
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name:	246 RIVER RD. NEW BEDFORD	**Lab Number:**	L1006441
Project Number:	169909	**Report Date:**	05/04/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Metals

LCS/LCSD SRM Lot #: ERA D066-540

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 05/04/10

METALS

Project Name:	246 RIVER RD. NEW BEDFORD	**Lab Number:**	L1006441
Project Number:	169909	**Report Date:**	05/04/10

SAMPLE RESULTS

Lab ID:	L1006441-01	Date Collected:	04/30/10 15:50
Client ID:	PX-1-3	Date Received:	05/03/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	87		mg/kg	2.1	1	05/03/10 19:15	05/04/10 12:14	EPA 3050B	97,6010B	MG

Project Name:	246 RIVER RD. NEW BEDFORD	**Lab Number:**	L1006441
Project Number:	169909	**Report Date:**	05/04/10

SAMPLE RESULTS

Lab ID:	L1006441-02	Date Collected:	05/03/10 11:40
Client ID:	PX-1-4	Date Received:	05/03/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	93		mg/kg	2.0	1	05/03/10 19:15	05/04/10 12:20	EPA 3050B	97,6010B	MG

Project Name:	246 RIVER RD. NEW BEDFORD	**Lab Number:**	L1006441
Project Number:	169909	**Report Date:**	05/04/10

SAMPLE RESULTS

Lab ID:	L1006441-03	Date Collected:	05/03/10 11:50
Client ID:	PX-1-5	Date Received:	05/03/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	28		mg/kg	2.0	1	05/03/10 19:15	05/04/10 12:23	EPA 3050B	97,6010B	MG

Project Name: 246 RIVER RD. NEW BEDFORD **Lab Number:** L1006441

Project Number: 169909 **Report Date:** 05/04/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG410979-1									
Lead, Total	ND		mg/kg	2.0	1	05/03/10 19:15	05/04/10 12:01	97,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER RD. NEW BEDFORD

Project Number: 169909

Lab Number: L1006441

Report Date: 05/04/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG410979-2 WG410979-3								
Lead, Total	103		93		80-120	10		30

INORGANICS
&
MISCELLANEOUS

Project Name: 246 RIVER RD. NEW BEDFORD
Project Number: 169909

Lab Number: L1006441
Report Date: 05/04/10

SAMPLE RESULTS

Lab ID: L1006441-01
Client ID: PX-1-3
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 04/30/10 15:50
Date Received: 05/03/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	93		%	0.10	1	-	05/03/10 21:23	30,2540G	NM

Project Name: 246 RIVER RD. NEW BEDFORD
Project Number: 169909

Lab Number: L1006441
Report Date: 05/04/10

SAMPLE RESULTS

Lab ID: L1006441-02
Client ID: PX-1-4
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/03/10 11:40
Date Received: 05/03/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	91		%	0.10	1	-	05/03/10 21:23	30,2540G	NM

Project Name: 246 RIVER RD. NEW BEDFORD
Project Number: 169909

Lab Number: L1006441
Report Date: 05/04/10

SAMPLE RESULTS

Lab ID: L1006441-03
Client ID: PX-1-5
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/03/10 11:50
Date Received: 05/03/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	91		%	0.10	1	-	05/03/10 21:23	30,2540G	NM

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER RD. NEW BEDFORD
Project Number: 169909

Lab Number: L1006441
Report Date: 05/04/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG410977-1 QC Sample: L1006293-02 Client ID: DUP Sample						
Solids, Total	78	76	%	3		20

Project Name: 246 RIVER RD. NEW BEDFORD
Project Number: 169909

Lab Number: L1006441
Report Date: 05/04/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L1006441-01A	Amber 250ml unpreserved	A	N/A	3.7	Y	Absent	MCP-PB-6010T-10(180)
L1006441-01B	Plastic 2oz unpreserved for TS	A	N/A	3.7	Y	Absent	TS(7)
L1006441-02A	Amber 250ml unpreserved	A	N/A	3.7	Y	Absent	MCP-PB-6010T-10(180)
L1006441-02B	Plastic 2oz unpreserved for TS	A	N/A	3.7	Y	Absent	TS(7)
L1006441-03A	Amber 250ml unpreserved	A	N/A	3.7	Y	Absent	MCP-PB-6010T-10(180)
L1006441-03B	Plastic 2oz unpreserved for TS	A	N/A	3.7	Y	Absent	TS(7)

*Hold days indicated by values in parentheses

Project Name:	246 RIVER RD. NEW BEDFORD	**Lab Number:**	L1006441
Project Number:	169909	**Report Date:**	05/04/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND	- Not detected at the reported detection limit (RDL) for the sample.

Report Format: Data Usability Report

Project Name:	246 RIVER RD. NEW BEDFORD	**Lab Number:**	L1006441
Project Number:	169909	**Report Date:**	05/04/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised March 16, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/3/10

ALPHA Job #: L1006441

Client Information

Client: City of New Bedford - TRC Environmental

Address: 650 Suffolk St
Lowell MA 01854

Phone: 978-970-5600

Fax:

Email: tbiolsi@trcsolutions.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 River Road, City of New Bedford

Project Location: New Bedford, MA

Project #: 169909

Project Manager: Tom Biolsi

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!) 1 Day TAT

Date Due: 5/4/10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 23066

Regulatory Requirements/Report Limits

State /Fed Program MCP Criteria S-1 Method 1 Cleanup Standards

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING

Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: Total Lead	Sample Specific Comments	TOTAL # BOTTLES
06441. 1	PX-1-3	4/30/10	1550	Soil	JSG	X	Also has total solids jar	2
2	PX-1-4	5/3/10	1140	Soil	JSG	X	↓	2
3	PX-1-5	5/3/10	1150	Soil	JSG	X	↓	2

Container Type	250 mL
Preservative	None

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
James D. Drury	5/3/10 14:30	P. Gilbert	5/3/10 14:30
P. Gilbert	5/3/10 1655	[illegible]	5/3/10 1655
[illegible]	5/3/10 1800	[illegible]	5/3/10 1800

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1006865
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER ROAD
Project Number:	169909
Report Date:	05/11/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006865
Report Date: 05/11/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006865-01	G1-SSW	NEW BEDFORD, MA	05/10/10 14:00
L1006865-02	G1-BASE	NEW BEDFORD, MA	05/10/10 14:25
L1006865-03	G1-NSW	NEW BEDFORD, MA	05/10/10 14:40
L1006865-04	G1-WSW	NEW BEDFORD, MA	05/10/10 14:50
L1006865-05	PX-3A-3	NEW BEDFORD, MA	05/10/10 16:15
L1006865-06	PX-3A-4	NEW BEDFORD, MA	05/10/10 16:20
L1006865-07	PX-3A-5	NEW BEDFORD, MA	05/10/10 16:30
L1006865-08	PX-3A-6	NEW BEDFORD, MA	05/10/10 00:00
L1006865-09	TRIP BLANK	NEW BEDFORD, MA	05/10/10 00:00

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006865
Project Number:	169909	**Report Date:**	05/11/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 246 RIVER ROAD **Lab Number:** L1006865
Project Number: 169909 **Report Date:** 05/11/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Sample Receipt

Raw soil was not submitted for the analysis of Total Solids on samples L1006865-01 through -04. At the client's request, the TS result from their sample "PX-3A-2" (reported as L1006866-06) was utilized in the dry weight calculation of these sample results.

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Volatile Organics

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006865
Project Number:	169909	**Report Date:**	05/11/10

Case Narrative (continued)

In reference to question H:

The WG412369-1/-2 LCS/LCSD recoveries, associated with L1006865-01 through -04, and -09, were above the acceptance criteria for 1,1-Dichloroethene (140%/135%); however, the associated samples were non-detect for this target compound. The results of the original analysis are reported.

The initial calibration, associated with L1006865-01 through -04, and -09, utilized a quadratic fit for Bromomethane and 1,4-Dioxane.

The continuing calibration standard, associated with L1006865-01 through -04, and -09, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Metals

LCS/LCSD ERA lot #D066-540

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 05/11/10

ORGANICS

VOLATILES

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-01	Date Collected:	05/10/10 14:00
Client ID:	G1-SSW	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	05/11/10 10:32		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	--	1
1,1-Dichloroethane	ND		ug/kg	1.8	--	1
Chloroform	ND		ug/kg	1.8	--	1
Carbon tetrachloride	ND		ug/kg	1.2	--	1
1,2-Dichloropropane	ND		ug/kg	4.2	--	1
Dibromochloromethane	ND		ug/kg	1.2	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	--	1
Tetrachloroethene	ND		ug/kg	1.2	--	1
Chlorobenzene	ND		ug/kg	1.2	--	1
Trichlorofluoromethane	ND		ug/kg	6.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.2	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	--	1
Bromodichloromethane	ND		ug/kg	1.2	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	--	1
1,1-Dichloropropene	ND		ug/kg	6.0	--	1
Bromoform	ND		ug/kg	4.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	--	1
Benzene	ND		ug/kg	1.2	--	1
Toluene	ND		ug/kg	1.8	--	1
Ethylbenzene	ND		ug/kg	1.2	--	1
Chloromethane	ND		ug/kg	6.0	--	1
Bromomethane	ND		ug/kg	2.4	--	1
Vinyl chloride	ND		ug/kg	2.4	--	1
Chloroethane	ND		ug/kg	2.4	--	1
1,1-Dichloroethene	ND		ug/kg	1.2	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	--	1
Trichloroethene	ND		ug/kg	1.2	--	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	6.0	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID: L1006865-01 Date Collected: 05/10/10 14:00

Client ID: G1-SSW Date Received: 05/10/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	6.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.4	--	1
p/m-Xylene	ND		ug/kg	2.4	--	1
o-Xylene	ND		ug/kg	2.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Dibromomethane	ND		ug/kg	12	--	1
1,2,3-Trichloropropane	ND		ug/kg	12	--	1
Styrene	ND		ug/kg	2.4	--	1
Dichlorodifluoromethane	ND		ug/kg	12	--	1
Acetone	ND		ug/kg	44	--	1
Carbon disulfide	ND		ug/kg	60	--	1
2-Butanone	ND		ug/kg	12	--	1
4-Methyl-2-pentanone	ND		ug/kg	12	--	1
2-Hexanone	ND		ug/kg	12	--	1
Bromochloromethane	ND		ug/kg	6.0	--	1
Tetrahydrofuran	ND		ug/kg	24	--	1
2,2-Dichloropropane	ND		ug/kg	6.0	--	1
1,2-Dibromoethane	ND		ug/kg	4.8	--	1
1,3-Dichloropropane	ND		ug/kg	6.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	--	1
Bromobenzene	ND		ug/kg	6.0	--	1
n-Butylbenzene	ND		ug/kg	1.2	--	1
sec-Butylbenzene	ND		ug/kg	1.2	--	1
tert-Butylbenzene	ND		ug/kg	6.0	--	1
o-Chlorotoluene	ND		ug/kg	6.0	--	1
p-Chlorotoluene	ND		ug/kg	6.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	--	1
Hexachlorobutadiene	ND		ug/kg	6.0	--	1
Isopropylbenzene	ND		ug/kg	1.2	--	1
p-Isopropyltoluene	ND		ug/kg	1.2	--	1
Naphthalene	ND		ug/kg	6.0	--	1
n-Propylbenzene	ND		ug/kg	1.2	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	--	1
Ethyl ether	ND		ug/kg	6.0	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-01	Date Collected:	05/10/10 14:00
Client ID:	G1-SSW	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	4.8	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.8	--	1
1,4-Dioxane	ND		ug/kg	600	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	102		70-130

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-02	Date Collected:	05/10/10 14:25
Client ID:	G1-BASE	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	05/11/10 11:00		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.4	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.74	--	1
1,2-Dichloropropane	ND		ug/kg	2.6	--	1
Dibromochloromethane	ND		ug/kg	0.74	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.74	--	1
Chlorobenzene	ND		ug/kg	0.74	--	1
Trichlorofluoromethane	ND		ug/kg	3.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.74	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.74	--	1
Bromodichloromethane	ND		ug/kg	0.74	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.74	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.74	--	1
1,1-Dichloropropene	ND		ug/kg	3.7	--	1
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.74	--	1
Benzene	ND		ug/kg	0.74	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	0.74	--	1
Chloromethane	ND		ug/kg	3.7	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	1.5	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.74	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
Trichloroethene	ND		ug/kg	0.74	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.7	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-02	Date Collected:	05/10/10 14:25
Client ID:	G1-BASE	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	3.7	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	1.5	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.74	--	1
Dibromomethane	ND		ug/kg	7.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	7.4	--	1
Styrene	ND		ug/kg	1.5	--	1
Dichlorodifluoromethane	ND		ug/kg	7.4	--	1
Acetone	ND		ug/kg	26	--	1
Carbon disulfide	ND		ug/kg	37	--	1
2-Butanone	ND		ug/kg	7.4	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.4	--	1
2-Hexanone	ND		ug/kg	7.4	--	1
Bromochloromethane	ND		ug/kg	3.7	--	1
Tetrahydrofuran	ND		ug/kg	15	--	1
2,2-Dichloropropane	ND		ug/kg	3.7	--	1
1,2-Dibromoethane	ND		ug/kg	2.9	--	1
1,3-Dichloropropane	ND		ug/kg	3.7	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.74	--	1
Bromobenzene	ND		ug/kg	3.7	--	1
n-Butylbenzene	ND		ug/kg	0.74	--	1
sec-Butylbenzene	ND		ug/kg	0.74	--	1
tert-Butylbenzene	ND		ug/kg	3.7	--	1
o-Chlorotoluene	ND		ug/kg	3.7	--	1
p-Chlorotoluene	ND		ug/kg	3.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	--	1
Hexachlorobutadiene	ND		ug/kg	3.7	--	1
Isopropylbenzene	ND		ug/kg	0.74	--	1
p-Isopropyltoluene	ND		ug/kg	0.74	--	1
Naphthalene	ND		ug/kg	3.7	--	1
n-Propylbenzene	ND		ug/kg	0.74	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.7	--	1
Ethyl ether	ND		ug/kg	3.7	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-02	Date Collected:	05/10/10 14:25
Client ID:	G1-BASE	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	2.9	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.9	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.9	--	1
1,4-Dioxane	ND		ug/kg	370	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	102		70-130

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-03	Date Collected:	05/10/10 14:40
Client ID:	G1-NSW	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	05/11/10 11:28		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	18	--	1
1,1-Dichloroethane	ND		ug/kg	2.6	--	1
Chloroform	ND		ug/kg	2.6	--	1
Carbon tetrachloride	ND		ug/kg	1.8	--	1
1,2-Dichloropropane	ND		ug/kg	6.2	--	1
Dibromochloromethane	ND		ug/kg	1.8	--	1
1,1,2-Trichloroethane	ND		ug/kg	2.6	--	1
Tetrachloroethene	ND		ug/kg	1.8	--	1
Chlorobenzene	ND		ug/kg	1.8	--	1
Trichlorofluoromethane	ND		ug/kg	8.8	--	1
1,2-Dichloroethane	ND		ug/kg	1.8	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	--	1
Bromodichloromethane	ND		ug/kg	1.8	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	--	1
1,1-Dichloropropene	ND		ug/kg	8.8	--	1
Bromoform	ND		ug/kg	7.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	--	1
Benzene	ND		ug/kg	1.8	--	1
Toluene	ND		ug/kg	2.6	--	1
Ethylbenzene	ND		ug/kg	1.8	--	1
Chloromethane	ND		ug/kg	8.8	--	1
Bromomethane	ND		ug/kg	3.5	--	1
Vinyl chloride	ND		ug/kg	3.5	--	1
Chloroethane	ND		ug/kg	3.5	--	1
1,1-Dichloroethene	ND		ug/kg	1.8	--	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	--	1
Trichloroethene	ND		ug/kg	1.8	--	1
1,2-Dichlorobenzene	ND		ug/kg	8.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	8.8	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID: L1006865-03 Date Collected: 05/10/10 14:40

Client ID: G1-NSW Date Received: 05/10/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	8.8	--	1
Methyl tert butyl ether	ND		ug/kg	3.5	--	1
p/m-Xylene	ND		ug/kg	3.5	--	1
o-Xylene	ND		ug/kg	3.5	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	--	1
Dibromomethane	ND		ug/kg	18	--	1
1,2,3-Trichloropropane	ND		ug/kg	18	--	1
Styrene	ND		ug/kg	3.5	--	1
Dichlorodifluoromethane	ND		ug/kg	18	--	1
Acetone	ND		ug/kg	63	--	1
Carbon disulfide	ND		ug/kg	88	--	1
2-Butanone	ND		ug/kg	18	--	1
4-Methyl-2-pentanone	ND		ug/kg	18	--	1
2-Hexanone	ND		ug/kg	18	--	1
Bromochloromethane	ND		ug/kg	8.8	--	1
Tetrahydrofuran	ND		ug/kg	35	--	1
2,2-Dichloropropane	ND		ug/kg	8.8	--	1
1,2-Dibromoethane	ND		ug/kg	7.0	--	1
1,3-Dichloropropane	ND		ug/kg	8.8	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.8	--	1
Bromobenzene	ND		ug/kg	8.8	--	1
n-Butylbenzene	ND		ug/kg	1.8	--	1
sec-Butylbenzene	ND		ug/kg	1.8	--	1
tert-Butylbenzene	ND		ug/kg	8.8	--	1
o-Chlorotoluene	ND		ug/kg	8.8	--	1
p-Chlorotoluene	ND		ug/kg	8.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	8.8	--	1
Hexachlorobutadiene	ND		ug/kg	8.8	--	1
Isopropylbenzene	ND		ug/kg	1.8	--	1
p-Isopropyltoluene	ND		ug/kg	1.8	--	1
Naphthalene	ND		ug/kg	8.8	--	1
n-Propylbenzene	ND		ug/kg	1.8	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	8.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	8.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	8.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	8.8	--	1
Ethyl ether	ND		ug/kg	8.8	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-03	Date Collected:	05/10/10 14:40
Client ID:	G1-NSW	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	7.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	7.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	7.0	--	1
1,4-Dioxane	ND		ug/kg	880	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	102		70-130

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-04	Date Collected:	05/10/10 14:50
Client ID:	G1-WSW	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	05/11/10 11:56		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	--	1
1,1-Dichloroethane	ND		ug/kg	1.6	--	1
Chloroform	ND		ug/kg	1.6	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	3.8	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	--	1
Tetrachloroethene	ND		ug/kg	1.1	--	1
Chlorobenzene	ND		ug/kg	1.1	--	1
Trichlorofluoromethane	ND		ug/kg	5.5	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	--	1
Bromodichloromethane	ND		ug/kg	1.1	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
1,1-Dichloropropene	ND		ug/kg	5.5	--	1
Bromoform	ND		ug/kg	4.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Benzene	ND		ug/kg	1.1	--	1
Toluene	ND		ug/kg	1.6	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	5.5	--	1
Bromomethane	ND		ug/kg	2.2	--	1
Vinyl chloride	ND		ug/kg	2.2	--	1
Chloroethane	ND		ug/kg	2.2	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	--	1
Trichloroethene	ND		ug/kg	1.1	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID: L1006865-04 Date Collected: 05/10/10 14:50

Client ID: G1-WSW Date Received: 05/10/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.5	--	1
Methyl tert butyl ether	ND		ug/kg	2.2	--	1
p/m-Xylene	ND		ug/kg	2.2	--	1
o-Xylene	ND		ug/kg	2.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
Dibromomethane	ND		ug/kg	11	--	1
1,2,3-Trichloropropane	ND		ug/kg	11	--	1
Styrene	ND		ug/kg	2.2	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	ND		ug/kg	39	--	1
Carbon disulfide	ND		ug/kg	55	--	1
2-Butanone	ND		ug/kg	11	--	1
4-Methyl-2-pentanone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Bromochloromethane	ND		ug/kg	5.5	--	1
Tetrahydrofuran	ND		ug/kg	22	--	1
2,2-Dichloropropane	ND		ug/kg	5.5	--	1
1,2-Dibromoethane	ND		ug/kg	4.4	--	1
1,3-Dichloropropane	ND		ug/kg	5.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	--	1
Bromobenzene	ND		ug/kg	5.5	--	1
n-Butylbenzene	ND		ug/kg	1.1	--	1
sec-Butylbenzene	ND		ug/kg	1.1	--	1
tert-Butylbenzene	ND		ug/kg	5.5	--	1
o-Chlorotoluene	ND		ug/kg	5.5	--	1
p-Chlorotoluene	ND		ug/kg	5.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	--	1
Hexachlorobutadiene	ND		ug/kg	5.5	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
p-Isopropyltoluene	ND		ug/kg	1.1	--	1
Naphthalene	ND		ug/kg	5.5	--	1
n-Propylbenzene	ND		ug/kg	1.1	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	--	1
Ethyl ether	ND		ug/kg	5.5	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-04	Date Collected:	05/10/10 14:50
Client ID:	G1-WSW	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	4.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.4	--	1
1,4-Dioxane	ND		ug/kg	550	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	103		70-130

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-09	Date Collected:	05/10/10 00:00
Client ID:	TRIP BLANK	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	05/11/10 10:04		
Analyst:	BN		
Percent Solids:	Results reported on an 'AS RECEIVED' basis.		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
Trichlorofluoromethane	ND		ug/kg	5.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	--	1
Bromodichloromethane	ND		ug/kg	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
1,1-Dichloropropene	ND		ug/kg	5.0	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Benzene	ND		ug/kg	1.0	--	1
Toluene	ND		ug/kg	1.5	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	5.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	2.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
Trichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID: L1006865-09 Date Collected: 05/10/10 00:00

Client ID: TRIP BLANK Date Received: 05/10/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	2.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	10	--	1
1,2,3-Trichloropropane	ND		ug/kg	10	--	1
Styrene	ND		ug/kg	2.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	36	--	1
Carbon disulfide	ND		ug/kg	50	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	5.0	--	1
Tetrahydrofuran	ND		ug/kg	20	--	1
2,2-Dichloropropane	ND		ug/kg	5.0	--	1
1,2-Dibromoethane	ND		ug/kg	4.0	--	1
1,3-Dichloropropane	ND		ug/kg	5.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Bromobenzene	ND		ug/kg	5.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	5.0	--	1
o-Chlorotoluene	ND		ug/kg	5.0	--	1
p-Chlorotoluene	ND		ug/kg	5.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--	1
Hexachlorobutadiene	ND		ug/kg	5.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	5.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--	1
Ethyl ether	ND		ug/kg	5.0	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-09	Date Collected:	05/10/10 00:00
Client ID:	TRIP BLANK	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	4.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--	1
1,4-Dioxane	ND		ug/kg	500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/11/10 08:38
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-04,09 Batch: WG412369-3					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	5.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	5.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	5.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--
1,2-Dichlorobenzene	ND		ug/kg	5.0	--
1,3-Dichlorobenzene	ND		ug/kg	5.0	--

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/11/10 08:38
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-04,09 Batch: WG412369-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	10	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	50	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	5.0	--
Tetrahydrofuran	ND		ug/kg	20	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	5.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	5.0	--
o-Chlorotoluene	ND		ug/kg	5.0	--
p-Chlorotoluene	ND		ug/kg	5.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--
Hexachlorobutadiene	ND		ug/kg	5.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/11/10 08:38
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-04,09 Batch: WG412369-3					
Naphthalene	ND		ug/kg	5.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--
Ethyl ether	ND		ug/kg	5.0	--
Isopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1006865
Report Date: 05/11/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-04,09 Batch: WG412369-1 WG412369-2								
Methylene chloride	97		98		70-130	1		20
1,1-Dichloroethane	101		100		70-130	1		20
Chloroform	101		100		70-130	1		20
Carbon tetrachloride	100		98		70-130	2		20
1,2-Dichloropropane	99		100		70-130	1		20
Dibromochloromethane	93		95		70-130	2		20
1,1,2-Trichloroethane	93		96		70-130	3		20
Tetrachloroethene	89		88		70-130	1		20
Chlorobenzene	91		90		70-130	1		20
Trichlorofluoromethane	114		112		70-130	2		20
1,2-Dichloroethane	101		103		70-130	2		20
1,1,1-Trichloroethane	102		99		70-130	3		20
Bromodichloromethane	104		105		70-130	1		20
trans-1,3-Dichloropropene	98		100		70-130	2		20
cis-1,3-Dichloropropene	91		93		70-130	2		20
1,1-Dichloropropene	100		99		70-130	1		20
Bromoform	94		95		70-130	1		20
1,1,2,2-Tetrachloroethane	99		100		70-130	1		20
Benzene	99		98		70-130	1		20
Toluene	89		88		70-130	1		20
Ethylbenzene	98		96		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1006865
Report Date: 05/11/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-04,09 Batch: WG412369-1 WG412369-2								
Chloromethane	92		91		70-130	1		20
Bromomethane	99		107		70-130	8		20
Vinyl chloride	92		89		70-130	3		20
Chloroethane	114		113		70-130	1		20
1,1-Dichloroethene	**140**	Q	**135**	Q	70-130	4		20
trans-1,2-Dichloroethene	101		100		70-130	1		20
Trichloroethene	98		97		70-130	1		20
1,2-Dichlorobenzene	97		97		70-130	0		20
1,3-Dichlorobenzene	95		95		70-130	0		20
1,4-Dichlorobenzene	98		95		70-130	3		20
Methyl tert butyl ether	93		95		70-130	2		20
p/m-Xylene	99		99		70-130	0		20
o-Xylene	95		96		70-130	1		20
cis-1,2-Dichloroethene	102		105		70-130	3		20
Dibromomethane	99		101		70-130	2		20
1,2,3-Trichloropropane	95		96		70-130	1		20
Styrene	92		92		70-130	0		20
Dichlorodifluoromethane	88		84		70-130	5		20
Acetone	96		100		70-130	4		20
Carbon disulfide	76		73		70-130	4		20
2-Butanone	103		106		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1006865
Report Date: 05/11/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-04,09 Batch: WG412369-1 WG412369-2								
4-Methyl-2-pentanone	105		108		70-130	3		20
2-Hexanone	100		104		70-130	4		20
Bromochloromethane	96		97		70-130	1		20
Tetrahydrofuran	96		97		70-130	1		20
2,2-Dichloropropane	105		103		70-130	2		20
1,2-Dibromoethane	94		97		70-130	3		20
1,3-Dichloropropane	96		98		70-130	2		20
1,1,1,2-Tetrachloroethane	99		100		70-130	1		20
Bromobenzene	97		97		70-130	0		20
n-Butylbenzene	101		99		70-130	2		20
sec-Butylbenzene	95		94		70-130	1		20
tert-Butylbenzene	94		94		70-130	0		20
o-Chlorotoluene	97		97		70-130	0		20
p-Chlorotoluene	102		100		70-130	2		20
1,2-Dibromo-3-chloropropane	96		90		70-130	6		20
Hexachlorobutadiene	96		94		70-130	2		20
Isopropylbenzene	94		93		70-130	1		20
p-Isopropyltoluene	99		98		70-130	1		20
Naphthalene	94		94		70-130	0		20
n-Propylbenzene	97		95		70-130	2		20
1,2,3-Trichlorobenzene	98		99		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1006865
Report Date: 05/11/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-04,09 Batch: WG412369-1 WG412369-2								
1,2,4-Trichlorobenzene	101		99		70-130	2		20
1,3,5-Trimethylbenzene	98		97		70-130	1		20
1,2,4-Trimethylbenzene	96		96		70-130	0		20
Ethyl ether	98		97		70-130	1		20
Isopropyl Ether	100		101		70-130	1		20
Ethyl-Tert-Butyl-Ether	97		99		70-130	2		20
Tertiary-Amyl Methyl Ether	96		98		70-130	2		20
1,4-Dioxane	112		116		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		104		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	102		102		70-130

METALS

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006865
Project Number:	169909	**Report Date:**	05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-05	Date Collected:	05/10/10 16:15
Client ID:	PX-3A-3	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	320		mg/kg	2.1	--	1	05/11/10 08:45	05/11/10 12:33	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006865
Project Number:	169909	**Report Date:**	05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-06	Date Collected:	05/10/10 16:20
Client ID:	PX-3A-4	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	400		mg/kg	2.1	--	1	05/11/10 08:45	05/11/10 12:41	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006865
Project Number:	169909	**Report Date:**	05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-07	Date Collected:	05/10/10 16:30
Client ID:	PX-3A-5	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	160		mg/kg	2.2	--	1	05/11/10 08:45	05/11/10 12:45	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006865
Project Number:	169909	**Report Date:**	05/11/10

SAMPLE RESULTS

Lab ID:	L1006865-08	Date Collected:	05/10/10 00:00
Client ID:	PX-3A-6	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	130		mg/kg	2.2	--	1	05/11/10 08:45	05/11/10 12:48	EPA 3050B	97,6010B	AI

Project Name: 246 RIVER ROAD **Lab Number:** L1006865

Project Number: 169909 **Report Date:** 05/11/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 05-08 Batch: WG412298-1										
Lead, Total	ND		mg/kg	2.0	--	1	05/11/10 08:45	05/11/10 12:22	97,6010B	AI

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006865
Report Date: 05/11/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 05-08 Batch: WG412298-2 WG412298-3								
Lead, Total	93		91		80-120	2		30

INORGANICS
&
MISCELLANEOUS

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006865
Report Date: 05/11/10

SAMPLE RESULTS

Lab ID: L1006865-01
Client ID: G1-SSW
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/10/10 14:00
Date Received: 05/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	05/11/10 02:30	30,2540G	ST

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006865
Report Date: 05/11/10

SAMPLE RESULTS

Lab ID: L1006865-02
Client ID: G1-BASE
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/10/10 14:25
Date Received: 05/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	05/11/10 02:30	30,2540G	ST

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006865
Report Date: 05/11/10

SAMPLE RESULTS

Lab ID: L1006865-03
Client ID: G1-NSW
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/10/10 14:40
Date Received: 05/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	05/11/10 02:30	30,2540G	ST

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006865
Report Date: 05/11/10

SAMPLE RESULTS

Lab ID: L1006865-04
Client ID: G1-WSW
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/10/10 14:50
Date Received: 05/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	05/11/10 02:30	30,2540G	ST

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006865
Report Date: 05/11/10

SAMPLE RESULTS

Lab ID: L1006865-05
Client ID: PX-3A-3
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/10/10 16:15
Date Received: 05/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	05/11/10 02:30	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006865
Report Date: 05/11/10

SAMPLE RESULTS

Lab ID: L1006865-06
Client ID: PX-3A-4
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/10/10 16:20
Date Received: 05/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	05/11/10 02:30	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006865
Report Date: 05/11/10

SAMPLE RESULTS

Lab ID: L1006865-07
Client ID: PX-3A-5
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/10/10 16:30
Date Received: 05/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81		%	0.10	NA	1	-	05/11/10 02:30	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006865
Report Date: 05/11/10

SAMPLE RESULTS

Lab ID: L1006865-08
Client ID: PX-3A-6
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/10/10 00:00
Date Received: 05/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91		%	0.10	NA	1	-	05/11/10 02:30	30,2540G	BH

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006865
Report Date: 05/11/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 05-08 QC Batch ID: WG412249-1 QC Sample: L1006865-05 Client ID: PX-3A-3						
Solids, Total	83	82	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG412383-1 QC Sample: L1006418-25 Client ID: DUP Sample						
Solids, Total	83	82	%	1		20

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006865
Report Date: 05/11/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 05/10/2010 00:00

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006865-01A	Vial MeOH preserved	A	N/A	6	Y	Absent	MCP-8260HLW-10(14)
L1006865-01B	Vial water preserved	A	N/A	6	Y	Absent	TS(7),MCP-8260HLW-10(14)
L1006865-01C	Vial water preserved	A	N/A	6	Y	Absent	MCP-8260HLW-10(14)
L1006865-02A	Vial MeOH preserved	A	N/A	6	Y	Absent	MCP-8260HLW-10(14)
L1006865-02B	Vial water preserved	A	N/A	6	Y	Absent	TS(7),MCP-8260HLW-10(14)
L1006865-02C	Vial water preserved	A	N/A	6	Y	Absent	MCP-8260HLW-10(14)
L1006865-03A	Vial MeOH preserved	A	N/A	6	Y	Absent	MCP-8260HLW-10(14)
L1006865-03B	Vial water preserved	A	N/A	6	Y	Absent	TS(7),MCP-8260HLW-10(14)
L1006865-03C	Vial water preserved	A	N/A	6	Y	Absent	MCP-8260HLW-10(14)
L1006865-04A	Vial MeOH preserved	A	N/A	6	Y	Absent	MCP-8260HLW-10(14)
L1006865-04B	Vial water preserved	A	N/A	6	Y	Absent	TS(7),MCP-8260HLW-10(14)
L1006865-04C	Vial water preserved	A	N/A	6	Y	Absent	MCP-8260HLW-10(14)
L1006865-05A	Amber 250ml unpreserved	A	N/A	6	Y	Absent	MCP-PB-6010T-10(180)
L1006865-05B	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1006865-06A	Amber 250ml unpreserved	A	N/A	6	Y	Absent	MCP-PB-6010T-10(180)
L1006865-06B	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1006865-07A	Amber 250ml unpreserved	A	N/A	6	Y	Absent	MCP-PB-6010T-10(180)
L1006865-07B	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1006865-08A	Amber 250ml unpreserved	A	N/A	6	Y	Absent	MCP-PB-6010T-10(180)
L1006865-08B	Plastic 2oz unpreserved for TS	A	N/A	6	Y	Absent	TS(7)
L1006865-09A	Vial MeOH preserved	A	N/A	6	Y	Absent	MCP-8260HLW-10(14)
L1006865-09B	Vial water preserved	A	N/A	6	Y	Absent	MCP-8260HLW-10(14)
L1006865-09C	Vial water preserved	A	N/A	6	Y	Absent	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006865
Project Number:	169909	**Report Date:**	05/11/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006865
Project Number:	169909	**Report Date:**	05/11/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006865
Project Number:	169909	**Report Date:**	05/11/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised March 16, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF

Date Rec'd in Lab: 5/10/10

ALPHA Job #: L1006865

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: TRC Environmental
Address: 650 Suffolk St.
Lowell MA 01854
Phone: 978-970-5600
Fax:
Email: tbiolsi@trcsolutions.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 River Road
Project Location: New Bedford, MA
Project #: 169909
Project Manager: Tom Biolsi
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
1-Day TAT overall
Date Due: 5/12/10 Time: AM

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 23066

Regulatory Requirements/Report Limits

State /Fed Program: MCP Criteria: S-1 cleanup standards

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, Indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS

SAMPLE HANDLING
Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead	Total Solids	VOCs (8260)	Sample Specific Comments	TOTAL # BOTTLES
6865 1	G1-SSW	5/10/10	1400	Soil	JSG			X		3
.2	G1-Base	↓	1425	↓	JSG			X		3
.3	G1-NSW	↓	1440	↓	JSG			X		3
.4	G1-WSW	↓	1450	↓	JSG			X		3
.5	PX-3A-3	↓	1615	↓	JF	X	X			2
.6	PX-3A-4	↓	1620	↓	JF	X	X			2
.7	PX-3A-5	↓	1630	↓	JF	X	X			2
.8	PX-3A-6	↓	↓	↓	JF	X	X			2
.9	Trip Blank							X		3

Container Type	250mL	250	3x40mL VOA														
Preservative	None	None	1 HCl 2 DI														

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	5/10/10 1600	Eileen Sullivan	5/10/10 18:00
Eileen Sullivan	5/10/10 18:00	[illegible]	5/10/10 19:30
[illegible]	5/10/10 1930	[illegible]	5/10/10 1930

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1006865

Instrument ID: Charlie.i Calibration Date: 11-MAY-2010 Time: 07:42

Lab File ID: 0511A01.D Init. Calib. Date(s): 22-APR-2 22-APR-2

Sample No: 8260 CCAL Init. Calib. Times : 18:26 21:17

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.09622	.08435	.05	12	20	
chloromethane	.23182	.21448	.05	7	20	
vinyl chloride	.15978	.14666	.05	8	20	
bromomethane	100	99	.05	1	20	
chloroethane	.05778	.06616	.05	-14	20	
trichlorofluoromethane	.13023	.14899	.05	-14	20	
ethyl ether	.0571	.0561	.05	2	20	
acetone	.1089	.10491	.05	4	20	
1,1,-dichloroethene	.09159	.12792	.05	-40	20	F
carbon disulfide	.43093	.32601	.05	24	20	F
methylene chloride	.15723	.15274	.05	3	20	
methyl tert butyl ether	.43631	.40532	.05	7	20	
trans-1,2-dichloroethene	.15171	.15321	.05	-1	20	
Diisopropyl Ether	.80744	.80547	.05	0	20	
1,1-dichloroethane	.34117	.34537	.05	-1	20	
Ethyl-Tert-Butyl-Ether	.69457	.67252	.05	3	20	
2-butanone	.15317	.15797	.05	-3	20	
2,2-dichloropropane	.20841	.21936	.05	-5	20	
cis-1,2-dichloroethene	.16767	.17166	.05	-2	20	
chloroform	.25821	.26196	.05	-1	20	
bromochloromethane	.08433	.0814	.05	3	20	
tetrahydrofuran	.10801	.10426	.05	3	20	
1,1,1-trichloroethane	.23432	.23984	.05	-2	20	
1,1-dichloropropene	.19612	.19657	.05	0	20	
carbontetrachloride	.2017	.20127	.05	0	20	
Tertiary-Amyl Methyl Ether	.43078	.41319	.05	4	20	
1,2-dichloroethane	.27777	.28037	.05	-1	20	
benzene	.58808	.58069	.05	1	20	
trichloroethene	.16568	.16217	.05	2	20	
1,2-dichloropropane	.19897	.1978	.05	1	20	
bromodichloromethane	.19609	.20342	.05	-4	20	
1,4-dioxane	10000	11173	.05	-12	20	
dibromomethane	.09849	.09738	.05	1	20	
4-methyl-2-pentanone	.11383	.11949	.05	-5	20	
cis-1,3-dichloropropene	.23686	.21654	.05	9	20	
toluene	.55101	.48846	.05	11	20	
trans-1,3-dichloropropene	.30381	.29921	.05	2	20	
1,1,2-trichloroethane	.1512	.14088	.05	7	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1006865

Instrument ID: Charlie.i Calibration Date: 11-MAY-2010 Time: 07:42

Lab File ID: 0511A01.D Init. Calib. Date(s): 22-APR-2 22-APR-2

Sample No: 8260 CCAL Init. Calib. Times : 18:26 21:17

Compound	RRF	RRF	MIN RRF	%D	MAX %D
2-hexanone	.31022	.30879	.05	0	20
1,3-dichloropropane	.31555	.30211	.05	4	20
tetrachloroethene	.23849	.21209	.05	11	20
chlorodibromomethane	.21569	.20003	.05	7	20
1,2-dibromoethane	.2043	.19216	.05	6	20
chlorobenzene	.6125	.55848	.05	9	20
1,1,1,2-tetrachloroethane	.2122	.21103	.05	1	20
ethyl benzene	1.0112	.98843	.05	2	20
p/m xylene	.3711	.36752	.05	1	20
o xylene	.34856	.33143	.05	5	20
styrene	.60079	.55127	.05	8	20
bromoform	.28736	.26873	.05	6	20
isopropylbenzene	1.9452	1.8314	.05	6	20
1,1,2,2,-tetrachloroethane	.49663	.49295	.05	1	20
1,2,3-trichloropropane	.61065	.57989	.05	5	20
n-propylbenzene	2.3195	2.2408	.05	3	20
bromobenzene	.48626	.47187	.05	3	20
1,3,5-trimethybenzene	1.5807	1.5449	.05	2	20
2-chlorotoluene	1.4379	1.3938	.05	3	20
4-chorotoluene	1.5683	1.5941	.05	-2	20
tert-butylbenzene	1.4360	1.3548	.05	6	20
1,2,4-trimethylbenzene	1.6673	1.6094	.05	3	20
sec-butylbenzene	2.0957	1.9877	.05	5	20
p-isopropyltoluene	1.7391	1.7255	.05	1	20
1,3-dichlorobenzene	.97517	.92298	.05	5	20
1,4-dichlorobenzene	.99519	.97278	.05	2	20
n-butylbenzene	1.9371	1.9569	.05	-1	20
1,2-dichlorobenzene	.88111	.85592	.05	3	20
1,2-dibromo-3-chloropropane	.12631	.12115	.05	4	20
1,2,4-trichlorobenzene	.67469	.68202	.05	-1	20
hexachlorobutadiene	.34852	.33379	.05	4	20
naphthalene	2.0044	1.8771	.05	6	20
1,2,3-trichlorobenzene	.63316	.61709	.05	3	20
dibromofluoromethane	.65871	.67071	.05	-2	30
1,2-dichloroethane-d4	.85233	.86702	.05	-2	30
toluene-d8	3.2774	3.1011	.05	5	30
4-bromofluorobenzene	2.6068	2.6684	.05	-2	30

FORM VII MCP-8260HLW-10

ANALYTICAL REPORT

Lab Number:	L1006586
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER ROAD
Project Number:	169909
Report Date:	05/06/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006586
Report Date: 05/06/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006586-01	PX-2A-1	NEW BEDFORD, MA	05/05/10 12:25
L1006586-02	PX-2A-2	NEW BEDFORD, MA	05/05/10 12:35
L1006586-03	PX-2A-3	NEW BEDFORD, MA	05/05/10 13:10
L1006586-04	PX-2A-4	NEW BEDFORD, MA	05/05/10 13:25
L1006586-05	PX-2A-5	NEW BEDFORD, MA	05/05/10 13:30
L1006586-06	PX-2A-6	NEW BEDFORD, MA	05/05/10 13:45
L1006586-07	PX-2A-7	NEW BEDFORD, MA	05/05/10 13:55
L1006586-08	PX-2A-DUP	NEW BEDFORD, MA	05/05/10 13:35

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006586
Project Number:	169909	**Report Date:**	05/06/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 246 RIVER ROAD **Lab Number:** L1006586
Project Number: 169909 **Report Date:** 05/06/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Metals

LCS/LCSD ERA lot #D066-540

L1006586-04 has an elevated detection limit for Lead due to the dilution required by non-target analyte spectral interferences encountered during analysis.

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 05/06/10

METALS

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006586
Project Number:	169909	**Report Date:**	05/06/10

SAMPLE RESULTS

Lab ID:	L1006586-01	Date Collected:	05/05/10 12:25
Client ID:	PX-2A-1	Date Received:	05/05/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	640		mg/kg	2.1	1	05/06/10 08:55	05/06/10 15:09	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006586
Project Number:	169909	**Report Date:**	05/06/10

SAMPLE RESULTS

Lab ID:	L1006586-02	Date Collected:	05/05/10 12:35
Client ID:	PX-2A-2	Date Received:	05/05/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	270		mg/kg	2.0	1	05/06/10 08:55	05/06/10 15:16	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006586
Project Number:	169909	**Report Date:**	05/06/10

SAMPLE RESULTS

Lab ID:	L1006586-03	Date Collected:	05/05/10 13:10
Client ID:	PX-2A-3	Date Received:	05/05/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	290		mg/kg	1.9	1	05/06/10 08:55	05/06/10 15:19	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006586
Project Number:	169909	**Report Date:**	05/06/10

SAMPLE RESULTS

Lab ID:	L1006586-04	Date Collected:	05/05/10 13:25
Client ID:	PX-2A-4	Date Received:	05/05/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	340		mg/kg	20	10	05/06/10 08:55	05/06/10 16:03	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006586
Project Number:	169909	**Report Date:**	05/06/10

SAMPLE RESULTS

Lab ID:	L1006586-05	Date Collected:	05/05/10 13:30
Client ID:	PX-2A-5	Date Received:	05/05/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	5500		mg/kg	2.2	1	05/06/10 08:55	05/06/10 15:49	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006586
Project Number:	169909	**Report Date:**	05/06/10

SAMPLE RESULTS

Lab ID:	L1006586-06	Date Collected:	05/05/10 13:45
Client ID:	PX-2A-6	Date Received:	05/05/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	360		mg/kg	2.0	1	05/06/10 08:55	05/06/10 15:53	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006586
Project Number:	169909	**Report Date:**	05/06/10

SAMPLE RESULTS

Lab ID:	L1006586-07	Date Collected:	05/05/10 13:55
Client ID:	PX-2A-7	Date Received:	05/05/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	320		mg/kg	2.2	1	05/06/10 08:55	05/06/10 15:56	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006586
Project Number:	169909	**Report Date:**	05/06/10

SAMPLE RESULTS

Lab ID:	L1006586-08	Date Collected:	05/05/10 13:35
Client ID:	PX-2A-DUP	Date Received:	05/05/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	260		mg/kg	2.1	1	05/06/10 08:55	05/06/10 15:59	EPA 3050B	97,6010B	AI

Project Name: 246 RIVER ROAD **Lab Number:** L1006586

Project Number: 169909 **Report Date:** 05/06/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-08 Batch: WG411571-1									
Lead, Total	ND		mg/kg	2.0	1	05/06/10 08:55	05/06/10 15:00	97,6010B	AI

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006586
Report Date: 05/06/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-08 Batch: WG411571-2 WG411571-3								
Lead, Total	93		89		80-120	4		30

INORGANICS
&
MISCELLANEOUS

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006586
Report Date: 05/06/10

SAMPLE RESULTS

Lab ID: L1006586-01
Client ID: PX-2A-1
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/05/10 12:25
Date Received: 05/05/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	91		%	0.10	1	-	05/06/10 07:00	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006586
Report Date: 05/06/10

SAMPLE RESULTS

Lab ID: L1006586-02
Client ID: PX-2A-2
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/05/10 12:35
Date Received: 05/05/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	90		%	0.10	1	-	05/06/10 07:00	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006586
Report Date: 05/06/10

SAMPLE RESULTS

Lab ID: L1006586-03
Client ID: PX-2A-3
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/05/10 13:10
Date Received: 05/05/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	93		%	0.10	1	-	05/06/10 07:00	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006586
Report Date: 05/06/10

SAMPLE RESULTS

Lab ID: L1006586-04
Client ID: PX-2A-4
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/05/10 13:25
Date Received: 05/05/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	89		%	0.10	1	-	05/06/10 07:00	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006586
Report Date: 05/06/10

SAMPLE RESULTS

Lab ID: L1006586-05
Client ID: PX-2A-5
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/05/10 13:30
Date Received: 05/05/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	87		%	0.10	1	-	05/06/10 07:00	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006586
Report Date: 05/06/10

SAMPLE RESULTS

Lab ID: L1006586-06
Client ID: PX-2A-6
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/05/10 13:45
Date Received: 05/05/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	89		%	0.10	1	-	05/06/10 07:00	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006586
Report Date: 05/06/10

SAMPLE RESULTS

Lab ID: L1006586-07
Client ID: PX-2A-7
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/05/10 13:55
Date Received: 05/05/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	89		%	0.10	1	-	05/06/10 07:00	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006586
Report Date: 05/06/10

SAMPLE RESULTS

Lab ID: L1006586-08
Client ID: PX-2A-DUP
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/05/10 13:35
Date Received: 05/05/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	92		%	0.10	1	-	05/06/10 07:00	30,2540G	BH

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006586
Report Date: 05/06/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG411508-1 QC Sample: L1006245-02 Client ID: DUP Sample						
Solids, Total	75	74	%	1		20

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006586
Report Date: 05/06/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L1006586-01A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1006586-01B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1006586-02A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1006586-02B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1006586-03A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1006586-03B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1006586-04A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1006586-04B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1006586-05A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1006586-05B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1006586-06A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1006586-06B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1006586-07A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1006586-07B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1006586-08A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1006586-08B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)

*Hold days indicated by values in parentheses

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006586
Project Number:	169909	**Report Date:**	05/06/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND	- Not detected at the reported detection limit (RDL) for the sample.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006586
Project Number:	169909	**Report Date:**	05/06/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised March 16, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 5/5/10

ALPHA Job #: L1006586

Client Information

Client: TRC Environmental

Address: 650 Suffolk St. Lowell MA, 01854

Phone: 978-970-5600

Fax:

Email: tbiolsi@trcsolutions.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 River Road

Project Location: New Bedford, MA

Project #: 169909

Project Manager: Tom Biolsi

ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!) 1 Day TAT

Date Due: 5/6/10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 23066

Regulatory Requirements/Report Limits

State /Fed Program MCP Criteria S-1 cleanup standards

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING

Filtration
☐ Done
☒ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: Total Lead	Sample Specific Comments	TOTAL # BOTTLES
06586 1	PX-2A-1	5/5/10	1225	Soil	JSG	X	Also has 2oz jar for total solids	1(2)
2	PX-2A-2	↓	1235	↓	JSG	↓	↓	↓
3	PX-2A-3	↓	1310	↓	JSG	↓	↓	↓
4	PX-2A-4	↓	1325	↓	JSG	↓	↓	↓
5	PX-2A-5	↓	1330	↓	JSG	↓	↓	↓
6	PX-2A-6	↓	1345	↓	JSG	↓	↓	↓
7	PX-2A-7	↓	1355	↓	JSG	↓	↓	↓
8	PX-2A-DUP	5/5/10	1335	Soil	JSG	X	↓	1(2)

Container Type: 250 mL (+2oz Jar TS)

Preservative: None

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	5/5/10 15:25	[illegible]	5/5/10 15:25
[illegible]	5/5/10 1810	[illegible]	5/5/10 1810

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1006761
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER ROAD
Project Number:	169909
Report Date:	05/10/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006761
Report Date: 05/10/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006761-01	PX-2A-5B	NEW BEDFORD, MA	05/07/10 10:10
L1006761-02	PX-2A-DUPB	NEW BEDFORD, MA	05/07/10 11:50

Project Name: 246 RIVER ROAD **Lab Number:** L1006761

Project Number: 169909 **Report Date:** 05/10/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 246 RIVER ROAD **Lab Number:** L1006761
Project Number: 169909 **Report Date:** 05/10/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Lead.

Metals

L1006761-01 and -02 have elevated detection limits for Lead due to the dilutions required by non-target analyte spectral interferences encountered during analysis.

LCS/LCSD ERA lot #D066-540

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 05/10/10

METALS

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006761
Project Number:	169909	**Report Date:**	05/10/10

SAMPLE RESULTS

Lab ID:	L1006761-01	Date Collected:	05/07/10 10:10
Client ID:	PX-2A-5B	Date Received:	05/07/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	1600		mg/kg	24	--	10	05/08/10 08:45	05/08/10 21:26	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006761
Project Number:	169909	**Report Date:**	05/10/10

SAMPLE RESULTS

Lab ID:	L1006761-02	Date Collected:	05/07/10 11:50
Client ID:	PX-2A-DUPB	Date Received:	05/07/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	1200		mg/kg	23	--	10	05/08/10 08:45	05/08/10 21:38	EPA 3050B	97,6010B	TD

Project Name: 246 RIVER ROAD **Lab Number:** L1006761

Project Number: 169909 **Report Date:** 05/10/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG411988-1										
Lead, Total	ND		mg/kg	2.0	--	1	05/08/10 08:45	05/08/10 21:00	97,6010B	TD

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER ROAD

Project Number: 169909

Lab Number: L1006761

Report Date: 05/10/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG411988-2 WG411988-3								
Lead, Total	103		103		80-120	0		30

INORGANICS
&
MISCELLANEOUS

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006761
Report Date: 05/10/10

SAMPLE RESULTS

Lab ID: L1006761-01
Client ID: PX-2A-5B
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/07/10 10:10
Date Received: 05/07/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	05/08/10 18:30	30,2540G	ST

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006761
Report Date: 05/10/10

SAMPLE RESULTS

Lab ID: L1006761-02
Client ID: PX-2A-DUPB
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/07/10 11:50
Date Received: 05/07/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	05/08/10 18:30	30,2540G	ST

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006761
Report Date: 05/10/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG411987-1 QC Sample: L1006526-05 Client ID: DUP Sample						
Solids, Total	84	85	%	1		20

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006761
Report Date: 05/10/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006761-01A	Amber 250ml unpreserved	A	N/A	3	Y	Absent	MCP-PB-6010T-10(180)
L1006761-01B	Plastic 2oz unpreserved for TS	A	N/A	3	Y	Absent	TS(7)
L1006761-02A	Amber 250ml unpreserved	A	N/A	3	NA	Absent	MCP-PB-6010T-10(180)
L1006761-02B	Plastic 2oz unpreserved for TS	A	N/A	3	NA	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006761
Project Number:	169909	**Report Date:**	05/10/10

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006761
Project Number:	169909	**Report Date:**	05/10/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006761
Project Number:	169909	**Report Date:**	05/10/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised March 16, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 5/7/10

ALPHA Job #: L1006761

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: TRC Environmental
Address: 650 Suffolk St.
Lowell MA 01854
Phone: 978-970-5600
Fax:
Email: tbiolsi@trcsolutions.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 River Road
Project Location: New Bedford, MA
Project #: 169909
Project Manager: Tom Biolsi
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
1-Day TAT
Date Due: 5/10/10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 23066

Regulatory Requirements/Report Limits

State /Fed Program MCP Criteria ~~S10~~ S-1 Cleanup Standards

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead	Total Solids	Sample Specific Comments	TOTAL # BOTTLES
6761.1	PX-2A-SB	5/7/10	1010	Soil	JSG	X	X		2
2	PX-2A-DUPB	5/7/10	1150	Soil	JSG	X	X		2

Container Type	250 ml 2oz
Preservative	None None

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	5/7/10 14:50	[illegible]	5/7/10 1450
[illegible]	5/7/10 1745	[illegible]	5/7/10 1745

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1006500
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER RD -NEW BEDFORD
Project Number:	169909
Report Date:	05/05/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER RD -NEW BEDFORD
Project Number: 169909

Lab Number: L1006500
Report Date: 05/05/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006500-01	PX-2B-1	246 RIVER RD. NEW BEDFORD MA	05/04/10 09:00
L1006500-02	PX-2B-2	246 RIVER RD. NEW BEDFORD MA	05/04/10 09:15
L1006500-03	PX-2B-3	246 RIVER RD. NEW BEDFORD MA	05/04/10 09:25
L1006500-04	PX-2B-4	246 RIVER RD. NEW BEDFORD MA	05/04/10 09:35

Project Name:	246 RIVER RD -NEW BEDFORD	**Lab Number:**	L1006500
Project Number:	169909	**Report Date:**	05/05/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 246 RIVER RD -NEW BEDFORD **Lab Number:** L1006500
Project Number: 169909 **Report Date:** 05/05/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Metals

LCS/LCSD SRM Lot #: ERA D066-540

In reference to question H:

A Matrix Spike was not performed per the Chain of Custody.

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 05/05/10

METALS

Project Name:	246 RIVER RD -NEW BEDFORD	**Lab Number:**	L1006500
Project Number:	169909	**Report Date:**	05/05/10

SAMPLE RESULTS

Lab ID:	L1006500-01	Date Collected:	05/04/10 09:00
Client ID:	PX-2B-1	Date Received:	05/04/10
Sample Location:	246 RIVER RD. NEW BEDFORD MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	360		mg/kg	2.2	1	05/05/10 09:10	05/05/10 13:31	EPA 3050B	97,6010B	MG

Project Name:	246 RIVER RD -NEW BEDFORD	**Lab Number:**	L1006500
Project Number:	169909	**Report Date:**	05/05/10

SAMPLE RESULTS

Lab ID:	L1006500-02	Date Collected:	05/04/10 09:15
Client ID:	PX-2B-2	Date Received:	05/04/10
Sample Location:	246 RIVER RD. NEW BEDFORD MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	360		mg/kg	2.3	1	05/05/10 09:10	05/05/10 13:40	EPA 3050B	97,6010B	MG

Project Name:	246 RIVER RD -NEW BEDFORD	**Lab Number:**	L1006500
Project Number:	169909	**Report Date:**	05/05/10

SAMPLE RESULTS

Lab ID:	L1006500-03	Date Collected:	05/04/10 09:25
Client ID:	PX-2B-3	Date Received:	05/04/10
Sample Location:	246 RIVER RD. NEW BEDFORD MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	380		mg/kg	2.1	1	05/05/10 09:10	05/05/10 13:43	EPA 3050B	97,6010B	MG

Project Name:	246 RIVER RD -NEW BEDFORD	**Lab Number:**	L1006500
Project Number:	169909	**Report Date:**	05/05/10

SAMPLE RESULTS

Lab ID:	L1006500-04	Date Collected:	05/04/10 09:35
Client ID:	PX-2B-4	Date Received:	05/04/10
Sample Location:	246 RIVER RD. NEW BEDFORD MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	1200		mg/kg	2.4	1	05/05/10 09:10	05/05/10 13:46	EPA 3050B	97,6010B	MG

Project Name: 246 RIVER RD -NEW BEDFORD **Lab Number:** L1006500

Project Number: 169909 **Report Date:** 05/05/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG411307-1									
Lead, Total	ND		mg/kg	2.0	1	05/05/10 09:10	05/05/10 13:18	97,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER RD -NEW BEDFORD

Project Number: 169909

Lab Number: L1006500

Report Date: 05/05/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG411307-2 WG411307-3								
Lead, Total	112		103		80-120	8		30

INORGANICS
&
MISCELLANEOUS

Project Name: 246 RIVER RD -NEW BEDFORD
Project Number: 169909

Lab Number: L1006500
Report Date: 05/05/10

SAMPLE RESULTS

Lab ID: L1006500-01
Client ID: PX-2B-1
Sample Location: 246 RIVER RD. NEW BEDFORD MA
Matrix: Soil

Date Collected: 05/04/10 09:00
Date Received: 05/04/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	83		%	0.10	1	-	05/04/10 20:39	30,2540G	NM

Project Name: 246 RIVER RD -NEW BEDFORD
Project Number: 169909

Lab Number: L1006500
Report Date: 05/05/10

SAMPLE RESULTS

Lab ID: L1006500-02
Client ID: PX-2B-2
Sample Location: 246 RIVER RD. NEW BEDFORD MA
Matrix: Soil

Date Collected: 05/04/10 09:15
Date Received: 05/04/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	80		%	0.10	1	-	05/04/10 20:39	30,2540G	NM

Project Name: 246 RIVER RD -NEW BEDFORD
Project Number: 169909

Lab Number: L1006500
Report Date: 05/05/10

SAMPLE RESULTS

Lab ID: L1006500-03
Client ID: PX-2B-3
Sample Location: 246 RIVER RD. NEW BEDFORD MA
Matrix: Soil

Date Collected: 05/04/10 09:25
Date Received: 05/04/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	87		%	0.10	1	-	05/04/10 20:39	30,2540G	NM

Project Name: 246 RIVER RD -NEW BEDFORD
Project Number: 169909

Lab Number: L1006500
Report Date: 05/05/10

SAMPLE RESULTS

Lab ID: L1006500-04
Client ID: PX-2B-4
Sample Location: 246 RIVER RD. NEW BEDFORD MA
Matrix: Soil

Date Collected: 05/04/10 09:35
Date Received: 05/04/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	80		%	0.10	1	-	05/04/10 20:39	30,2540G	NM

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER RD -NEW BEDFORD
Project Number: 169909

Lab Number: L1006500
Report Date: 05/05/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG411223-1 QC Sample: L1006307-30 Client ID: DUP Sample						
Solids, Total	85	85	%	0		20

Project Name: 246 RIVER RD -NEW BEDFORD
Project Number: 169909

Lab Number: L1006500
Report Date: 05/05/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L1006500-01A	Amber 250ml unpreserved	A	N/A	2.7	Y	Absent	MCP-PB-6010T-10(180)
L1006500-01B	Plastic 2oz unpreserved for TS	A	N/A	2.7	Y	Absent	TS(7)
L1006500-02A	Amber 250ml unpreserved	A	N/A	2.7	Y	Absent	MCP-PB-6010T-10(180)
L1006500-02B	Plastic 2oz unpreserved for TS	A	N/A	2.7	Y	Absent	TS(7)
L1006500-03A	Amber 250ml unpreserved	A	N/A	2.7	Y	Absent	MCP-PB-6010T-10(180)
L1006500-03B	Plastic 2oz unpreserved for TS	A	N/A	2.7	Y	Absent	TS(7)
L1006500-04A	Amber 250ml unpreserved	A	N/A	2.7	Y	Absent	MCP-PB-6010T-10(180)
L1006500-04B	Plastic 2oz unpreserved for TS	A	N/A	2.7	Y	Absent	TS(7)

*Hold days indicated by values in parentheses

Project Name:	246 RIVER RD -NEW BEDFORD	**Lab Number:**	L1006500
Project Number:	169909	**Report Date:**	05/05/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND	- Not detected at the reported detection limit (RDL) for the sample.

Report Format: Data Usability Report

Project Name:	246 RIVER RD -NEW BEDFORD	**Lab Number:**	L1006500
Project Number:	169909	**Report Date:**	05/05/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised March 16, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 5/4/10

ALPHA Job #: L1006500

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: TRC Environmental
Address: 650 Suffolk St.
Lowell MA 01854
Phone: 978-970-5600
Fax:
Email: tbiolsi@trcsolutions.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 River Road-City of New Bedford
Project Location: 246 River Road, New Bedford MA
Project #: 169909
Project Manager: Tom Biolsi
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!) 1 Day TAT
Date Due: 5/5/10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 23066

Regulatory Requirements/Report Limits

State /Fed Program MCP | Criteria S-1 Method 1 Cleanup Standards

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: Total Pb	Sample Specific Comments	TOTAL # BOTTLES
06500.1	PX-2B-1	5/4/10	0900	Soil	JSG	X	Also has 2 oz jar for total solids	1(2)
2	PX-2B-2	↓	0915	↓	↓	↓	↓	↓
3	PX-2B-3	↓	0925	↓	↓	↓	↓	↓
4	PX-2B-4	↓	0935	↓	↓	↓	↓	↓

Container Type	250 mL
Preservative	None

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
James J. Grady	5/4/10 14:45	R Gillett	4/5/10 14:45
R Gillett	5/4/10 17:50	Lan Chuanph	4/5/10 1750

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1006673
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER ROAD
Project Number:	169909
Report Date:	05/07/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006673
Report Date: 05/07/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006673-01	PX-2B-4B	NEW BEDFORD, MA	05/06/10 08:15

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006673
Project Number:	169909	**Report Date:**	05/07/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 246 RIVER ROAD **Lab Number:** L1006673
Project Number: 169909 **Report Date:** 05/07/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Report Submission
This report contains the results for sample "PX-2B-4B". The results for all other samples will be issued under separate cover.

Sample Receipt
In reference to question H:
A Matrix Spike was not submitted for the Metals analysis.

Metals
LCS/LCSD SRM Lot #: ERA D066-540

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006673
Project Number:	169909	**Report Date:**	05/07/10

Case Narrative (continued)

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 05/07/10

METALS

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006673
Project Number:	169909	**Report Date:**	05/07/10

SAMPLE RESULTS

Lab ID:	L1006673-01	Date Collected:	05/06/10 08:15
Client ID:	PX-2B-4B	Date Received:	05/06/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Lead, Total	440		mg/kg	2.3	1	05/06/10 19:30	05/07/10 11:46	EPA 3050B	97,6010B	MG

Project Name: 246 RIVER ROAD **Lab Number:** L1006673

Project Number: 169909 **Report Date:** 05/07/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG411707-1									
Lead, Total	ND		mg/kg	2.0	1	05/06/10 19:30	05/07/10 11:33	97,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1006673
Report Date: 05/07/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG411707-2 WG411707-3								
Lead, Total	93		93		80-120	0		30

INORGANICS
&
MISCELLANEOUS

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006673
Report Date: 05/07/10

SAMPLE RESULTS

Lab ID: L1006673-01
Client ID: PX-2B-4B
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/06/10 08:15
Date Received: 05/06/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	85		%	0.10	1	-	05/07/10 03:55	30,2540G	BH

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006673
Report Date: 05/07/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG411728-1 QC Sample: L1006673-01 Client ID: PX-2B-4B						
Solids, Total	85	86	%	1		20

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006673
Report Date: 05/07/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis
L1006673-01A	Amber 250ml unpreserved	A	N/A	4	Y	Absent	MCP-PB-6010T-10(180)
L1006673-01B	Plastic 2oz unpreserved for TS	A	N/A	4	Y	Absent	TS(7)

*Hold days indicated by values in parentheses

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006673
Project Number:	169909	**Report Date:**	05/07/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RDL	· Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RDL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND	- Not detected at the reported detection limit (RDL) for the sample.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006673
Project Number:	169909	**Report Date:**	05/07/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised March 16, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 5/6/10

ALPHA Job #: L1006673

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: TRC Environmental

Address: 650 Suffolk St
Lowell, MA 01854

Phone: 978-970-5600

Fax:

Email: tbielsi@trcsolutions.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 River Road

Project Location: New Bedford, MA

Project #: 169909

Project Manager: Tom Bielsi

ALPHA Quote #:

Turn-Around Time

☒ Standard for landfill ☒ RUSH (only confirmed if pre-approved!) 1-Day TAT for lead

Date Due: 5/7/10 and 5/13/10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 23066

Regulatory Requirements/Report Limits

State /Fed Program MCP Criteria S-1 cleanup standards

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING

Filtration
☐ Done
☒ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead	TPH	PCB	SVOCs	RCRA 8 Metals	VOCs	TCLP (Pb & Cr) - Hold	Total Solids			Sample Specific Comments	TOTAL # BOTTLES
06731 Rush only	PX-2B-4B	5/6/10	0815	Soil	JSG	X							X	1 Day TAT		Also has 2 oz jar for total solids	1 (2)
	GRUB-E	5/6/10	1420	Soil	JSG		X	X	X	X	X	H	X	5-day TAT		Hold TCLP for 20:1 Rule	6
	GRUB-W	5/6/10	1450	Soil	JSG		X	X	X	X	X	H	X	5-day TAT		Hold TCLP for 20:1 Rule	6
	Trip Blank										X						3

Container Type	250 ml →					3x40 ml	250 ml	2oz			
Preservative	None	None	None	None	None	~~2x40~~ DI+MeOH	None	None			

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Jane D. Grady	5/6/10 15:05	P. Gilbert	5/6/10 15:05
P. Gilbert	5/6/10 16:45	[signature]	5/6/10 16:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1007021
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER ROAD
Project Number:	169909
Report Date:	05/14/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1007021-01	PX-3A-7	NEW BEDFORD, MA	05/12/10 09:00
L1007021-02	PX-3A-8	NEW BEDFORD, MA	05/12/10 09:15
L1007021-03	PX-3A-9	NEW BEDFORD, MA	05/12/10 10:50
L1007021-04	PX-3A-10	NEW BEDFORD, MA	05/12/10 11:15
L1007021-05	PX-3A-11	NEW BEDFORD, MA	05/12/10 12:15
L1007021-06	PX-3A-12	NEW BEDFORD, MA	05/12/10 13:10
L1007021-07	PX-3A-13	NEW BEDFORD, MA	05/12/10 13:25
L1007021-08	PX-3A-14	NEW BEDFORD, MA	05/12/10 13:45
L1007021-09	PX-3A-15	NEW BEDFORD, MA	05/12/10 14:00
L1007021-10	PX-3A-16	NEW BEDFORD, MA	05/12/10 14:35
L1007021-11	PX-3A-17	NEW BEDFORD, MA	05/12/10 14:35
L1007021-12	PX-3A-18	NEW BEDFORD, MA	05/12/10 14:45

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 246 RIVER ROAD **Lab Number:** L1007021
Project Number: 169909 **Report Date:** 05/14/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Report Submission

This final report replaces the partial issued May 13, 2010. The results of all requested analyses are reported.

MCP Related Narratives

Metals

LCS/LCSD SRM Lot #: ERA D066-540

L1007021-07 has an elevated detection limits for Lead due to the dilution required by non-target analyte spectral interferences encountered during analysis.

In reference to question G:

L1007021-07: Lead did not achieve the requested CAM reporting limits.

In reference to question H:

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

Case Narrative (continued)

The WG412763-5 MS recovery, associated with L1007021-05, is invalid for Lead (449%), because the sample concentration is greater than four times the spike amount added.

The WG412763-5 MS recovery associated with L1007021-05 is above the acceptance criteria for Cadmium (337%); the Matrix Spike was re-analyzed with a recovery of 320%. The associated LCS recovery was within criteria. No further action was taken.

The WG412763-5 MS recovery, associated with L1007021-05, is below the acceptance criteria for Antimony (25%). The Matrix Spike was reanalyzed with an unacceptable recovery of 23%. The associated samples L1007021-03, -04and -05 were non-detect for Antimony; therefore the samples were re-digested for Antimony only. The MS recovery for the re-digestion had a recovery of Antimony (23%). The results of the original digestion and re-digestion for L1007021-03, -04 and -05 are reported.

The WG412763-4 Laboratory Duplicate RPD associated with L1007021-05 is above the acceptance criteria for Antimony (42%). The results of the associated sample are reported.

The serial dilution test, associated with L1007021-05, was above the %D acceptance criteria for Lead (38%).

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative

Date: 05/14/10

METALS

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-01	Date Collected:	05/12/10 09:00
Client ID:	PX-3A-7	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	93		mg/kg	2.1	--	1	05/13/10 08:30	05/13/10 12:47	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-02	Date Collected:	05/12/10 09:15
Client ID:	PX-3A-8	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	730		mg/kg	2.3	--	1	05/13/10 08:30	05/13/10 12:50	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-03	Date Collected:	05/12/10 10:50
Client ID:	PX-3A-9	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Antimony, Total	ND		mg/kg	2.2	--	1	05/13/10 08:30	05/13/10 12:59	EPA 3050B	97,6010B	TD
Cadmium, Total	ND		mg/kg	0.45	--	1	05/13/10 08:30	05/13/10 12:59	EPA 3050B	97,6010B	TD
Lead, Total	690		mg/kg	2.2	--	1	05/13/10 08:30	05/13/10 12:59	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-03 RE	Date Collected:	05/12/10 10:50
Client ID:	PX-3A-9	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Antimony, Total	3.7		mg/kg	2.3	--	1	05/14/10 08:40	05/14/10 12:54	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-04	Date Collected:	05/12/10 11:15
Client ID:	PX-3A-10	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Antimony, Total	3.2		mg/kg	2.6	--	1	05/13/10 08:30	05/13/10 13:03	EPA 3050B	97,6010B	TD
Cadmium, Total	1.8		mg/kg	0.51	--	1	05/13/10 08:30	05/13/10 13:03	EPA 3050B	97,6010B	TD
Lead, Total	1200		mg/kg	2.6	--	1	05/13/10 08:30	05/13/10 13:03	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-04 RE	Date Collected:	05/12/10 11:15
Client ID:	PX-3A-10	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Antimony, Total	8.3		mg/kg	2.6	--	1	05/14/10 08:40	05/14/10 12:58	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-05	Date Collected:	05/12/10 12:15
Client ID:	PX-3A-11	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Antimony, Total	5.5		mg/kg	2.1	--	1	05/13/10 08:30	05/13/10 12:34	EPA 3050B	97,6010B	TD
Cadmium, Total	1.5		mg/kg	0.42	--	1	05/13/10 08:30	05/13/10 12:34	EPA 3050B	97,6010B	TD
Lead, Total	800		mg/kg	2.1	--	1	05/13/10 08:30	05/13/10 12:34	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-05 RE	Date Collected:	05/12/10 12:15
Client ID:	PX-3A-11	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Antimony, Total	5.1		mg/kg	2.2	--	1	05/14/10 08:40	05/14/10 12:38	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-06	Date Collected:	05/12/10 13:10
Client ID:	PX-3A-12	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	920		mg/kg	1.9	--	1	05/13/10 08:30	05/13/10 13:06	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-07	Date Collected:	05/12/10 13:25
Client ID:	PX-3A-13	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	390		mg/kg	22	--	10	05/13/10 08:30	05/13/10 13:29	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-08	Date Collected:	05/12/10 13:45
Client ID:	PX-3A-14	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	670		mg/kg	2.3	--	1	05/13/10 08:30	05/13/10 13:12	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-09	Date Collected:	05/12/10 14:00
Client ID:	PX-3A-15	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	460		mg/kg	2.0	--	1	05/13/10 08:30	05/13/10 13:15	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-10	Date Collected:	05/12/10 14:35
Client ID:	PX-3A-16	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	620		mg/kg	2.3	--	1	05/13/10 08:30	05/13/10 13:18	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-11	Date Collected:	05/12/10 14:35
Client ID:	PX-3A-17	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	440		mg/kg	2.4	--	1	05/13/10 08:30	05/13/10 13:22	EPA 3050B	97,6010B	TD

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

SAMPLE RESULTS

Lab ID:	L1007021-12	Date Collected:	05/12/10 14:45
Client ID:	PX-3A-18	Date Received:	05/12/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	760		mg/kg	2.5	--	1	05/13/10 08:30	05/13/10 13:25	EPA 3050B	97,6010B	TD

Project Name: 246 RIVER ROAD **Lab Number:** L1007021

Project Number: 169909 **Report Date:** 05/14/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-12 Batch: WG412763-1										
Antimony, Total	ND		mg/kg	2.0	--	1	05/13/10 08:30	05/13/10 12:22	97,6010B	TD
Cadmium, Total	ND		mg/kg	0.40	--	1	05/13/10 08:30	05/13/10 12:22	97,6010B	TD
Lead, Total	ND		mg/kg	2.0	--	1	05/13/10 08:30	05/13/10 12:22	97,6010B	TD

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-12 Batch: WG412763-2 WG412763-3								
Antimony, Total	89		96		2-208	8		30
Cadmium, Total	90		98		82-118	9		30
Lead, Total	103		103		80-120	0		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007021
Report Date: 05/14/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG412763-5 QC Sample: L1007021-05 Client ID: PX-3A-11												
Antimony, Total	5.5	21.8	11	**25**	Q	-	-		75-125	-		35
Cadmium, Total	1.5	2.22	9.0	**337**	Q	-	-		75-125	-		35
Lead, Total	800	22.2	900	**449**		-	-		75-125	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG412763-4 QC Sample: L1007021-05 Client ID: PX-3A-11						
Antimony, Total	5.5	3.6	mg/kg	**42**	Q	35
Cadmium, Total	1.5	1.4	mg/kg	7		35
Lead, Total	800	750	mg/kg	6		35

Lab Serial Dilution Analysis

Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG412763-6 QC Sample: L1007021-05 Client ID: PX-3A-11						
Lead, Total	800	1100	mg/kg	**38**		10

INORGANICS
&
MISCELLANEOUS

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1007021-01
Client ID: PX-3A-7
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/12/10 09:00
Date Received: 05/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94		%	0.10	NA	1	-	05/13/10 00:50	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1007021-02
Client ID: PX-3A-8
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/12/10 09:15
Date Received: 05/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80		%	0.10	NA	1	-	05/13/10 00:50	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1007021-03
Client ID: PX-3A-9
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/12/10 10:50
Date Received: 05/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82		%	0.10	NA	1	-	05/13/10 00:50	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1007021-04
Client ID: PX-3A-10
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/12/10 11:15
Date Received: 05/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75		%	0.10	NA	1	-	05/13/10 00:50	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1007021-05
Client ID: PX-3A-11
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/12/10 12:15
Date Received: 05/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87		%	0.10	NA	1	-	05/13/10 00:50	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1007021-06
Client ID: PX-3A-12
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/12/10 13:10
Date Received: 05/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90		%	0.10	NA	1	-	05/13/10 00:50	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1007021-07
Client ID: PX-3A-13
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/12/10 13:25
Date Received: 05/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82		%	0.10	NA	1	-	05/13/10 00:50	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1007021-08
Client ID: PX-3A-14
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/12/10 13:45
Date Received: 05/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	05/13/10 00:50	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1007021-09
Client ID: PX-3A-15
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/12/10 14:00
Date Received: 05/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85		%	0.10	NA	1	-	05/13/10 00:50	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1007021-10
Client ID: PX-3A-16
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/12/10 14:35
Date Received: 05/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79		%	0.10	NA	1	-	05/13/10 00:50	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1007021-11
Client ID: PX-3A-17
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/12/10 14:35
Date Received: 05/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77		%	0.10	NA	1	-	05/13/10 00:50	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

SAMPLE RESULTS

Lab ID: L1007021-12
Client ID: PX-3A-18
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/12/10 14:45
Date Received: 05/12/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75		%	0.10	NA	1	-	05/13/10 00:50	30,2540G	BH

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG412703-1 QC Sample: L1007021-05 Client ID: PX-3A-11						
Solids, Total	87	85	%	2		20

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1007021-01A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1007021-01B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1007021-02A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1007021-02B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1007021-03A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-CD-6010T-10(180),MCP-SB-6010T-10(180),MCP-PB-6010T-10(180)
L1007021-03B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1007021-04A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-CD-6010T-10(180),MCP-SB-6010T-10(180),MCP-PB-6010T-10(180)
L1007021-04B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1007021-05A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-CD-6010T-10(180),MCP-SB-6010T-10(180),MCP-PB-6010T-10(180)
L1007021-05B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1007021-05C	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-CD-6010T-10(180),MCP-SB-6010T-10(180),MCP-PB-6010T-10(180)
L1007021-05D	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-CD-6010T-10(180),MCP-SB-6010T-10(180),MCP-PB-6010T-10(180)
L1007021-06A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1007021-06B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1007021-07A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1007021-07B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1007021-08A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1007021-08B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1007021-09A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1007021-09B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1007021-10A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1007021-10B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007021
Report Date: 05/14/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1007021-11A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1007021-11B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1007021-12A	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-PB-6010T-10(180)
L1007021-12B	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007021
Project Number:	169909	**Report Date:**	05/14/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised March 16, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 5/12/10

ALPHA Job #: L1007021

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: TRC Environmental
Address: 650 Suffolk St.
Lowell MA 01854
Phone: 978-970-5600
Fax:
Email: tbiolsi@trcsolutions.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 River Road
Project Location: New Bedford, MA
Project #: 169909
Project Manager: Tom Biolsi
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!) 1-Day TAT

Date Due: 5/13/10 Time: PM

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 23066

Regulatory Requirements/Report Limits

State /Fed Program MCP Criteria S-1 Cleanup Standards

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead	Total Cadmium	Total Antimony	Total Solids	Sample Specific Comments	TOTAL # BOTTLES
7021.1	PX-3A-7	5/12/10	0900	Soil	JBG	X			X		2
2	PX-3A-8		0915			X			X		2
3	PX-3A-9		1050			X	X	X	X		~~4~~ 2 JBG
4	PX-3A-10		1115			X	X	X	X		2
5	PX-3A-11		1215			X	X	X	X	MS/DUP for all analyses	4
6	PX-3A-12		1310			X			X		2
7	PX-3A-13		1325			X			X		2
8	PX-3A-14		1345			X			X		2
9	PX-3A-15		1400			X			X		2
10	PX-3A-16	5/12/10	1435	Soil	JBG	X			X		2
					Container Type	250 ml	250 ml	250 ml	2oz		
					Preservative	N	N	N	N		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/12/10 1652	[signature]	5/12/10 1652
[signature]	5/12/10 1655	[signature]	5/12/10 1650
[signature]	5/12/10 1755	[signature]	5/12/10 1755

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 5/12/10

ALPHA Job #: L1007021

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: TRC Environmental
Address: 650 Suffolk St
Lowell MA 01854
Phone: 978-970-5600
Fax:
Email: tbiolsi@trcsolutions.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 River Road
Project Location: New Bedford, MA
Project #: 169909
Project Manager: Tom Biolsi
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!) 1-Day TAT

Date Due: 5/13/10 Time: PM

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 23066

Regulatory Requirements/Report Limits

State /Fed Program MCP Criteria S-1 Cleanup Standards

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: Total Lead; Total Solids

SAMPLE HANDLING
Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead	Total Solids	Sample Specific Comments	TOTAL # BOTTLES
7021.11	PX-3A-17	5/12/10	1435	Soil	JSG	X	X		2
.12	PX-3A-18	5/12/10	1445	Soil	JSG	X	X		2

Container Type	250mL	250mL															
Preservative	None	None															

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/12/10 1652	[signature]	5/12/10 1652
[signature]	5/12/10 1655	[signature]	5/12/10 1650
[signature]	5/12/10 1755	[signature]	5/12/10 1755

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1006866
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER ROAD
Project Number:	169909
Report Date:	05/11/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006866
Report Date: 05/11/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1006866-01	PX-3B-1	NEW BEDFORD, MA	05/07/10 10:20
L1006866-02	PX-3B-2	NEW BEDFORD, MA	05/07/10 10:30
L1006866-03	PX-3B-3	NEW BEDFORD, MA	05/07/10 10:40
L1006866-04	PX-3B-4	NEW BEDFORD, MA	05/07/10 10:50
L1006866-05	PX-3A-1	NEW BEDFORD, MA	05/07/10 11:00
L1006866-06	PX-3A-2	NEW BEDFORD, MA	05/10/10 09:30

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006866
Project Number:	169909	**Report Date:**	05/11/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 246 RIVER ROAD **Lab Number:** L1006866
Project Number: 169909 **Report Date:** 05/11/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Total Metals.

Metals

LCS/LCSD SRM Lot #: ERA D066-540

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 05/11/10

METALS

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006866
Project Number:	169909	**Report Date:**	05/11/10

SAMPLE RESULTS

Lab ID:	L1006866-01	Date Collected:	05/07/10 10:20
Client ID:	PX-3B-1	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	65%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	410		mg/kg	2.9	--	1	05/11/10 08:45	05/11/10 12:52	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006866
Project Number:	169909	**Report Date:**	05/11/10

SAMPLE RESULTS

Lab ID:	L1006866-02	Date Collected:	05/07/10 10:30
Client ID:	PX-3B-2	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	71%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	1100		mg/kg	2.7	--	1	05/11/10 08:45	05/11/10 13:18	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006866
Project Number:	169909	**Report Date:**	05/11/10

SAMPLE RESULTS

Lab ID:	L1006866-03	Date Collected:	05/07/10 10:40
Client ID:	PX-3B-3	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	990		mg/kg	2.7	--	1	05/11/10 08:45	05/11/10 13:22	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006866
Project Number:	169909	**Report Date:**	05/11/10

SAMPLE RESULTS

Lab ID:	L1006866-04	Date Collected:	05/07/10 10:50
Client ID:	PX-3B-4	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	1000		mg/kg	2.6	--	1	05/11/10 08:45	05/11/10 13:26	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006866
Project Number:	169909	**Report Date:**	05/11/10

SAMPLE RESULTS

Lab ID:	L1006866-05	Date Collected:	05/07/10 11:00
Client ID:	PX-3A-1	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	520		mg/kg	2.3	--	1	05/11/10 08:45	05/11/10 13:30	EPA 3050B	97,6010B	AI

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006866
Project Number:	169909	**Report Date:**	05/11/10

SAMPLE RESULTS

Lab ID:	L1006866-06	Date Collected:	05/10/10 09:30
Client ID:	PX-3A-2	Date Received:	05/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	310		mg/kg	2.3	--	1	05/11/10 08:45	05/11/10 13:33	EPA 3050B	97,6010B	AI

Project Name: 246 RIVER ROAD **Lab Number:** L1006866

Project Number: 169909 **Report Date:** 05/11/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG412298-1										
Lead, Total	ND		mg/kg	2.0	--	1	05/11/10 08:45	05/11/10 12:22	97,6010B	AI

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1006866
Report Date: 05/11/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG412298-2 WG412298-3								
Lead, Total	93		91		80-120	2		30

INORGANICS
&
MISCELLANEOUS

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006866
Report Date: 05/11/10

SAMPLE RESULTS

Lab ID: L1006866-01
Client ID: PX-3B-1
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/07/10 10:20
Date Received: 05/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65		%	0.10	NA	1	-	05/11/10 02:30	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006866
Report Date: 05/11/10

SAMPLE RESULTS

Lab ID: L1006866-02
Client ID: PX-3B-2
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/07/10 10:30
Date Received: 05/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71		%	0.10	NA	1	-	05/11/10 02:30	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006866
Report Date: 05/11/10

SAMPLE RESULTS

Lab ID: L1006866-03
Client ID: PX-3B-3
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/07/10 10:40
Date Received: 05/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	72		%	0.10	NA	1	-	05/11/10 02:30	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006866
Report Date: 05/11/10

SAMPLE RESULTS

Lab ID: L1006866-04
Client ID: PX-3B-4
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/07/10 10:50
Date Received: 05/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75		%	0.10	NA	1	-	05/11/10 02:30	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006866
Report Date: 05/11/10

SAMPLE RESULTS

Lab ID: L1006866-05
Client ID: PX-3A-1
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/07/10 11:00
Date Received: 05/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	05/11/10 02:30	30,2540G	BH

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006866
Report Date: 05/11/10

SAMPLE RESULTS

Lab ID: L1006866-06
Client ID: PX-3A-2
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/10/10 09:30
Date Received: 05/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	05/11/10 02:30	30,2540G	BH

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006866
Report Date: 05/11/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG412249-1 QC Sample: L1006865-05 Client ID: DUP Sample						
Solids, Total	83	82	%	1		20

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1006866
Report Date: 05/11/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1006866-01A	Amber 250ml unpreserved	A	N/A	3.9	Y	Absent	MCP-PB-6010T-10(180)
L1006866-01B	Plastic 2oz unpreserved for TS	A	N/A	3.9	Y	Absent	TS(7)
L1006866-02A	Amber 250ml unpreserved	A	N/A	3.9	Y	Absent	MCP-PB-6010T-10(180)
L1006866-02B	Plastic 2oz unpreserved for TS	A	N/A	3.9	Y	Absent	TS(7)
L1006866-03A	Amber 250ml unpreserved	A	N/A	3.9	Y	Absent	MCP-PB-6010T-10(180)
L1006866-03B	Plastic 2oz unpreserved for TS	A	N/A	3.9	Y	Absent	TS(7)
L1006866-04A	Amber 250ml unpreserved	A	N/A	3.9	Y	Absent	MCP-PB-6010T-10(180)
L1006866-04B	Plastic 2oz unpreserved for TS	A	N/A	3.9	Y	Absent	TS(7)
L1006866-05A	Amber 250ml unpreserved	A	N/A	3.9	Y	Absent	MCP-PB-6010T-10(180)
L1006866-05B	Plastic 2oz unpreserved for TS	A	N/A	3.9	Y	Absent	TS(7)
L1006866-06A	Amber 250ml unpreserved	A	N/A	3.9	Y	Absent	MCP-PB-6010T-10(180)
L1006866-06B	Plastic 2oz unpreserved for TS	A	N/A	3.9	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006866
Project Number:	169909	**Report Date:**	05/11/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006866
Project Number:	169909	**Report Date:**	05/11/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1006866
Project Number:	169909	**Report Date:**	05/11/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised March 16, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 5/10/10

ALPHA Job #: L1006866

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: TRC Environmental
Address: 650 Suffolk St
Lowell MA 01854
Phone: 978-970-5600
Fax:
Email: tbiolsi@trcsolutions.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 River Road
Project Location: New Bedford MA
Project #: 169909
Project Manager: Tom Biolsi
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!) 1-Day TAT

Date Due: 5/11/10 Time: 1200

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 23066

Regulatory Requirements/Report Limits

State /Fed Program MCP Criteria S-1 Cleanup Standards

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead	Total Solids	Sample Specific Comments	TOTAL # BOTTLES
06866-1	PX-3B-1	5/7/10	1020	Soil	JSG	X	X		2
2	PX-3B-2	5/7/10	1030	Soil	JSG	X	X		2
3	PX-3B-3	5/7/10	1040	Soil	JSG	X	X		2
4	PX-3B-4	5/7/10	1050	Soil	JSG	X	X		2
5	PX-3A-1	5/7/10	1100	Soil	JSG	X	X		2
6	PX-3A-2	5/10/10	0930	Soil	JSG	X	X		2

Container Type: 250 mL, 2oz
Preservative: None, None

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/10/10 1205	[signature]	5/10/10
[signature]	5/10/10 1805	[signature]	5/10/10 1805

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1007210
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER ROAD
Project Number:	169909
Report Date:	05/17/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007210
Report Date: 05/17/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1007210-01	PX-3A-19	NEW BEDFORD, MA	05/14/10 12:45
L1007210-02	PX-3A-20	NEW BEDFORD, MA	05/14/10 13:00
L1007210-03	PX-2A-5C	NEW BEDFORD, MA	05/14/10 13:30

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007210
Project Number:	169909	**Report Date:**	05/17/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 246 RIVER ROAD **Lab Number:** L1007210
Project Number: 169909 **Report Date:** 05/17/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Metals

LCS/LCSD SRM Lot #: ERA D066-540

In reference to question H:

The WG413259-5 MS recovery, performed on L1007210-02, is invalid for Lead (0%) because the sample concentration is greater than four times the spike amount added.

The WG413259-6 serial dilution test, associated with L1007210-02, has a %D above the acceptance criteria for Lead (28%).

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 05/17/10

METALS

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007210
Project Number:	169909	**Report Date:**	05/17/10

SAMPLE RESULTS

Lab ID:	L1007210-01	Date Collected:	05/14/10 12:45
Client ID:	PX-3A-19	Date Received:	05/14/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	640		mg/kg	2.4	--	1	05/17/10 09:10	05/17/10 13:54	EPA 3050B	97,6010B	MG

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007210
Project Number:	169909	**Report Date:**	05/17/10

SAMPLE RESULTS

Lab ID:	L1007210-02	Date Collected:	05/14/10 13:00
Client ID:	PX-3A-20	Date Received:	05/14/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	670		mg/kg	2.2	--	1	05/17/10 09:10	05/17/10 13:42	EPA 3050B	97,6010B	MG

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007210
Project Number:	169909	**Report Date:**	05/17/10

SAMPLE RESULTS

Lab ID:	L1007210-03	Date Collected:	05/14/10 13:30
Client ID:	PX-2A-5C	Date Received:	05/14/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Lead, Total	810		mg/kg	2.2	--	1	05/17/10 09:10	05/17/10 13:58	EPA 3050B	97,6010B	MG

Project Name: 246 RIVER ROAD **Lab Number:** L1007210

Project Number: 169909 **Report Date:** 05/17/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG413259-1										
Lead, Total	ND		mg/kg	2.0	--	1	05/17/10 09:10	05/17/10 13:29	97,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007210
Report Date: 05/17/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG413259-2 WG413259-3								
Lead, Total	112		103		80-120	1		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007210
Report Date: 05/17/10

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG413259-5 QC Sample: L1007210-02 Client ID: PX-3A-20												
Lead, Total	670	23.1	570	**0**		-	-		75-125	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007210
Report Date: 05/17/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG413259-4 QC Sample: L1007210-02 Client ID: PX-3A-20						
Lead, Total	670	510	mg/kg	27		35

Lab Serial Dilution Analysis

Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007210
Report Date: 05/17/10

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG413259-6 QC Sample: L1007210-02 Client ID: PX-3A-20						
Lead, Total	670	860	mg/kg	**28**		10

INORGANICS
&
MISCELLANEOUS

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007210
Report Date: 05/17/10

SAMPLE RESULTS

Lab ID: L1007210-01
Client ID: PX-3A-19
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/14/10 12:45
Date Received: 05/14/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	05/14/10 23:00	30,2540G	DD

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007210
Report Date: 05/17/10

SAMPLE RESULTS

Lab ID: L1007210-02
Client ID: PX-3A-20
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/14/10 13:00
Date Received: 05/14/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	05/14/10 23:00	30,2540G	DD

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007210
Report Date: 05/17/10

SAMPLE RESULTS

Lab ID: L1007210-03
Client ID: PX-2A-5C
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/14/10 13:30
Date Received: 05/14/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80		%	0.10	NA	1	-	05/14/10 23:00	30,2540G	DD

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007210
Report Date: 05/17/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG413158-1 QC Sample: L1007210-02 Client ID: PX-3A-20						
Solids, Total	83	83	%	0		20

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007210
Report Date: 05/17/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1007210-01A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	MCP-PB-6010T-10(180)
L1007210-01B	Plastic 2oz unpreserved for TS	A	N/A	2	Y	Absent	TS(7)
L1007210-02A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	MCP-PB-6010T-10(180)
L1007210-02B	Plastic 2oz unpreserved for TS	A	N/A	2	Y	Absent	TS(7)
L1007210-02C	Amber 250ml unpreserved	A	N/A	2	Y	Absent	MCP-PB-6010T-10(180)
L1007210-02D	Amber 250ml unpreserved	A	N/A	2	Y	Absent	MCP-PB-6010T-10(180)
L1007210-03A	Amber 250ml unpreserved	A	N/A	2	Y	Absent	MCP-PB-6010T-10(180)
L1007210-03B	Plastic 2oz unpreserved for TS	A	N/A	2	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007210
Project Number:	169909	**Report Date:**	05/17/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007210
Project Number:	169909	**Report Date:**	05/17/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007210
Project Number:	169909	**Report Date:**	05/17/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised March 16, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 5/14/10

ALPHA Job #: L1007210

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: TRC Environmental
Address: 650 Suffolk St
Lowell MA 01854
Phone: 978-970-5600
Fax:
Email: tbiolsi@trcsolutions.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 River Road
Project Location: New Bedford, MA
Project #: 169909
Project Manager: Tom Biolsi
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!) 1-Day TAT
Date Due: 5-17-10 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 23066

Regulatory Requirements/Report Limits

State /Fed Program MCP Criteria S-1 Cleanup Standards

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?
☒ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: Total Lead

SAMPLE HANDLING
Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Lead	Sample Specific Comments	TOTAL # BOTTLES
7210.1	PX-3A-19	5/14/10	1245	Soil	JSG	X		2
.2	PX-3A-20	5/14/10	1300	Soil	JSG	X	MS/DUP	2
.3	PX-2A-5C	5/14/10	1330	Soil	JSG	X		2

Container Type	250ml	2 oz for total solids
Preservative	None	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
James J. Hardy	5/14/10 1624	[illegible]	5/14/10 1624
[illegible]	5/14/10 1625	[illegible]	5/14/10 1625
[illegible]	5/14/10 1815	[illegible]	5/14/10 1815

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

December 28, 2009

David Sullivan
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: New Bedford, MA
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 09L0268

Enclosed are results of analyses for samples received by the laboratory on December 9, 2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: David Sullivan

REPORT DATE: 12/28/2009

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 09L0268

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: New Bedford, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Sample-1	09L0268-01	Product/Solid		SW-846 8151	MA M-MA-086/CT PH-0574/NY11148
Sample-2	09L0268-02	Soil		SW-846 8151	MA M-MA-086/CT PH-0574/NY11148

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

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The WG393034-2/-3 recoveries, associated with L0918037-01 and -02, are below the acceptance criteria for Dinoseb (13%/15%), the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for this compound.

SW-846 8151

Qualifications:

The WG393034-2/-3 recoveries, associated with L0918037-01 and -02, are below the acceptance criteria for Dinoseb (13%/15%), the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of th

Analyte & Samples(s) Qualified:

Dinoseb

WG393034-BS1, WG393034-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Christopher J. Hall
Project Chemist Supervisor

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0268

Date Received: 12/9/2009

Field Sample #: Sample-1
Sampled: 12/8/2009 12:00

Sample ID: 09L0268-01

Sample Matrix: Product/Solid

Semivolatile Organic Compounds by GC

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
2,4-DB	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
2,4,5-TP (Silvex)	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
2,4,5-T	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
Dalapon	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
Dicamba	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
Dichloroprop	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
Dinoseb	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
MCPA	ND	6000	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
MCPP	ND	6000	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	

Surrogates	% Recovery	Recovery Limits	Flag	
DCAA	92	30-150		12/16/09 23:31

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0268

Date Received: 12/9/2009

Field Sample #: Sample-2
Sampled: 12/8/2009 12:00

Sample ID: 09L0268-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
2,4-DB	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
2,4,5-TP (Silvex)	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
2,4,5-T	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
Dalapon	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
Dicamba	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
Dichloroprop	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
Dinoseb	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
MCPA	ND	6800	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
MCPP	ND	6800	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	

Surrogates	% Recovery	Recovery Limits	Flag	
DCAA	46	30-150		12/16/09 23:51

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QUALITY CONTROL

Semivolatile Organic Compounds by GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch WG393034 - SW-846 3540C											
BLK (WG393034-BLK1)				Prepared: 12/13/09 Analyzed: 12/16/09							
2,4-D	ND	65	µg/Kg					-			
2,4-DB	ND	65	µg/Kg					-			
2,4,5-TP (Silvex)	ND	65	µg/Kg					-			
2,4,5-T	ND	65	µg/Kg					-			
Dalapon	ND	65	µg/Kg					-			
Dicamba	ND	65	µg/Kg					-			
Dichloroprop	ND	65	µg/Kg					-			
Dinoseb	ND	65	µg/Kg					-			
MCPA	ND	6500	µg/Kg					-			
MCPP	ND	6500	µg/Kg					-			
BS (WG393034-BS1)				Prepared: 12/13/09 Analyzed: 12/16/09							
2,4-D	69	65	µg/Kg			69		40-140			
2,4-DB	49	65	µg/Kg			49		40-140			
2,4,5-TP (Silvex)	70	65	µg/Kg			70		40-140			
2,4,5-T	67	65	µg/Kg			67		40-140			
Dalapon	68	65	µg/Kg			68		40-140			
Dicamba	67	65	µg/Kg			67		40-140			
Dichloroprop	69	65	µg/Kg			69		40-140			
Dinoseb	13	65	µg/Kg			**13**	*	40-140			Q
MCPA	73	6500	µg/Kg			73		40-140			
MCPP	101	6500	µg/Kg			101		40-140			
BSD (WG393034-BSD1)				Prepared: 12/13/09 Analyzed: 12/16/09							
2,4-D	77	77	µg/Kg			77		40-140			
2,4-DB	52	52	µg/Kg			52		40-140			
2,4,5-TP (Silvex)	74	74	µg/Kg			74		40-140			
2,4,5-T	69	69	µg/Kg			69		40-140			
Dalapon	56	56	µg/Kg			56		40-140			
Dicamba	73	73	µg/Kg			73		40-140			
Dichloroprop	76	76	µg/Kg			76		40-140			
Dinoseb	15	15	µg/Kg			**15**	*	40-140			Q
MCPA	79	79	µg/Kg			79		40-140			
MCPP	107	107	µg/Kg			107		40-140			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
Q	The WG393034-2/-3 recoveries, associated with L0918037-01 and -02, are below the acceptance criteria for Dinoseb (13%/15%), the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of th

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2010
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2009
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	03/23/2010

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Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

mpany Name: TRC
dress: 650 Suffolk Street
Lowell, MA 01864
ention: David Sullivan
oject Location: New Bedford, MA
mpled By: K. Grim

Telephone: (978) 970-5600
Project #
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax #:
Email: DSullivan@trc.solutions
Format: ☒ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

oposal Provided? (For Billing purposes)
☐ yes _____ proposal date

State Form Required?
☐ yes ☐ no

ANALYSIS REQUESTED

ld ID	Sample Description	Lab # 0960268	Date Sampled Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	Total VOCs	Total SVOCs	VPH	EPH	Pesticides	PCBs	RCRA metals 8	Herbicides	# of containers	**Preservation	~Cont.Code
	Sample_1	-01	12/8	1200			S		X	X	X	X	X	X	X	X			
	Sample_2	-02	12/8	1200			S		X	X	X	X	X	X	X	X			

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

Client Comments:

oratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

inquished by: (signature)	Date/Time: 12/9/09 1300	
ceived by: (signature)	Date/Time: 12-9-09 1303	
inquished by: (signature)	Date/Time: 12-9-09 1810	
ceived by: (signature) 6°C	Date/Time: 12/9/09 1810	

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? MCP
Data Enhancement Project/RCP? ☐ Y ☐ N
Special Requirements or DL's: MCP
Method 1 S-1

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS
CORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE

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39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: TRC RECEIVED BY: JDP DATE: 12/15/09

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☐

Were the samples received in Temperature Compliance of (2-6°C)? Yes No

Temperature °C by Temp blank _____ Temperature °C by Temp gun 6°C

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes No Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes ~~No~~

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other Bucket	2

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

Do all samples have the proper pH: Yes No N/A

Project Name:	09L0268	**Lab Number:**	L0918037
Project Number:	Not Specified	**Report Date:**	12/28/09

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A

A response to questions E and F is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 09L0268 **Lab Number:** L0918037
Project Number: Not Specified **Report Date:** 12/28/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is *outside the listed Acceptance Criteria is bolded in the report.*

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Herbicides

In reference to question E:

The WG393034-2/-3 LCS/LCSD recoveries, associated with L0918037-01 and -02, are below the acceptance criteria for Dinoseb (13%/15%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 12/28/09

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

December 11, 2009

David Sullivan
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: New Bedford, MA
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 09L0267

Enclosed are results of analyses for samples received by the laboratory on December 9, 2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: David Sullivan

REPORT DATE: 12/11/2009

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 09L0267

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: New Bedford, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Sample-1	09L0267-01	Product/Solid		MADEP-EPH-04-1.1	
				MADEP-VPH-04-1.1	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8081A	
				SW-846 8082	
				SW-846 8260B	
				SW-846 8270C	
Sample-2	09L0267-02	Soil		MADEP-EPH-04-1.1	
				MADEP-VPH-04-1.1	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8081A	
				SW-846 8082	
				SW-846 8260B	
				SW-846 8270C	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

In method 6010, only RCRA 8 metals were requested and reported.

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

MADEP-VPH-04-1.1

Qualifications:

Sample preservative does not satisfy the method specifications.

Analyte & Samples(s) Qualified:

09L0267-01[Sample-1], 09L0267-02[Sample-2]

Sample recieved unpreserved in an unsealed container for VOC analysis. Reported values will be biased on the low side.

Analyte & Samples(s) Qualified:

09L0267-01[Sample-1], 09L0267-02[Sample-2]

SW-846 8081A

Qualifications:

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

4,4'-DDE, Endrin

B008261-BS1, B008261-BSD1

SW-846 8260B

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Carbon Disulfide

B008247-BS1, B008247-BSD1, B008247-MS1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,1-Dichloroethylene, Chloroethane, Diethyl Ether

B008247-BSD1

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

2,2-Dichloropropane, Carbon Tetrachloride, Naphthalene, trans-1,3-Dichloropropene

09L0267-01[Sample-1], 09L0267-02[Sample-2], B008247-BLK1, B008247-BS1, B008247-BSD1, B008247-MS1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane, 2-Butanone (MEK), Acetone, Tetrahydrofuran

09L0267-01[Sample-1], 09L0267-02[Sample-2], B008247-BLK1, B008247-BS1, B008247-BSD1, B008247-MS1

SW-846 8270C

Qualifications:

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Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

09L0267-01[Sample-1], 09L0267-02[Sample-2], B008252-BLK1, B008252-BS1, B008252-BSD1

MADEP-EPH-04-1.1

SPE cartridge contamination with non-petroleum compounds, if present, is verified by GC/MS in each method blank per extraction batch and excluded from C11-C22 aromatic range fraction in all samples in the batch. No significant modifications were made to the method.

MADEP-VPH-04-1.1

No significant modifications were made to the method. All VPH samples were received preserved properly in methanol with a soil/methanol ratio of 1:1 +/- 25% completely covered by methanol in the proper containers specified on the chain-of-custody form unless specified in this narrative.

SW-846 8260B

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for “difficult analytes” where recovery control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, tert-butyl alcohol, acetone, 1,4-dioxane, vinyl chloride, chloromethane, dichlorodifluoromethane, 2-hexanone, naphthalene, acrylonitrile, 1,2,3-trichloropropane, methylene chloride, n-butylbenzene, and tert-butylbenzene, bromomethane

Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for “difficult analytes” where RPDs of 50% are used and/or unless otherwise listed in this narrative. Difficult analyte: 1,4-dioxane

SW-846 8270C

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for “difficult analytes” listed below and/or otherwise listed in this narrative. Difficult analytes for soil LCS - limits between 10 and 180% depending on the compound(see QC summary report for limits): 3,3’-dichlorobenzidine, aniline, 2,4-dinitrophenol, and 4-chloroaniline.

Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for ”difficult analytes” where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative. Difficult analytes for soil RPDs: 3,3’-dichlorobenzidine, 4-nitrophenol, and aniline.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Christopher J. Hall
Project Chemist Supervisor

con-test® ANALYTICAL LABORATORY

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg wet	1	V-16	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Benzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Bromobenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Bromochloromethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Bromodichloromethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Bromoform	ND	0.011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Bromomethane	ND	0.011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
2-Butanone (MEK)	ND	0.043	mg/Kg wet	1	V-16	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
n-Butylbenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Carbon Disulfide	ND	0.0064	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Carbon Tetrachloride	ND	0.011	mg/Kg wet	1	V-05	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Chlorobenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Chloroethane	ND	0.021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Chloroform	ND	0.0043	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Chloromethane	ND	0.011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Dibromomethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,1-Dichloroethylene	ND	0.0043	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg wet	1	V-05	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg wet	1	V-05	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Diethyl Ether	ND	0.021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Diisopropyl Ether (DIPE)	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,4-Dioxane	ND	0.11	mg/Kg wet	1	V-16	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Ethylbenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0043	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Methylene Chloride	ND	0.021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Naphthalene	ND	0.0043	mg/Kg wet	1	V-05	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
n-Propylbenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Styrene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Tetrahydrofuran	ND	0.011	mg/Kg wet	1	V-16	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Toluene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Trichloroethylene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Vinyl Chloride	ND	0.011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
m+p Xylene	ND	0.0043	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
o-Xylene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	108	70-130		12/10/09 7:31
Toluene-d8	104	70-130		12/10/09 7:31
4-Bromofluorobenzene	97.9	70-130		12/10/09 7:31

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Acenaphthylene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Acetophenone	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Aniline	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Anthracene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Benzo(a)anthracene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Benzo(a)pyrene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
4-Bromophenylphenylether	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Butylbenzylphthalate	ND	0.66	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
4-Chloroaniline	ND	0.66	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2-Chloronaphthalene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2-Chlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Chrysene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Dibenzofuran	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Di-n-butylphthalate	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2,4-Dichlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Diethylphthalate	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2,4-Dimethylphenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Dimethylphthalate	ND	0.66	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2,4-Dinitrophenol	ND	0.66	mg/Kg wet	1	V-19	SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Di-n-octylphthalate	ND	0.66	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Fluoranthene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Fluorene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Hexachlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Hexachlorobutadiene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Hexachloroethane	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Isophorone	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2-Methylnaphthalene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL

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Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
3/4-Methylphenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Naphthalene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Nitrobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2-Nitrophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
4-Nitrophenol	ND	0.66	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Pentachlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Phenanthrene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Phenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Pyrene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	77.5	30-130		12/10/09 19:24
Phenol-d6	84.1	30-130		12/10/09 19:24
Nitrobenzene-d5	81.3	30-130		12/10/09 19:24
2-Fluorobiphenyl	78.9	30-130		12/10/09 19:24
2,4,6-Tribromophenol	67.1	30-130		12/10/09 19:24
Terphenyl-d14	71.3	30-130		12/10/09 19:24

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
alpha-BHC [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
beta-BHC [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
delta-BHC [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
gamma-BHC (Lindane) [1]	ND	0.0030	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Chlordane [1]	ND	0.020	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
4,4'-DDD [1]	ND	0.0080	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
4,4'-DDE [1]	ND	0.0040	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
4,4'-DDT [1]	ND	0.0080	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Dieldrin [1]	ND	0.0080	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Endosulfan I [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Endosulfan II [1]	ND	0.0080	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Endosulfan sulfate [1]	ND	0.0080	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Endrin [1]	ND	0.0080	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Endrin ketone [1]	ND	0.0080	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Heptachlor [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Heptachlor epoxide [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Hexachlorobenzene [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Methoxychlor [1]	ND	0.050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		12/11/09 15:18
Decachlorobiphenyl [2]	108	30-150		12/11/09 15:18
Tetrachloro-m-xylene [1]	96.8	30-150		12/11/09 15:18
Tetrachloro-m-xylene [2]	118	30-150		12/11/09 15:18

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1221 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1232 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1242 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1248 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1254 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1260 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1262 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1268 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.3	30-150		12/11/09 16:04
Decachlorobiphenyl [2]	94.4	30-150		12/11/09 16:04
Tetrachloro-m-xylene [1]	50.6	30-150		12/11/09 16:04
Tetrachloro-m-xylene [2]	39.8	30-150		12/11/09 16:04

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
C19-C36 Aliphatics	ND	10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Unadjusted C11-C22 Aromatics	ND	10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
C11-C22 Aromatics	ND	10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Acenaphthene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Acenaphthylene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Anthracene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Benzo(a)anthracene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Benzo(a)pyrene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Benzo(b)fluoranthene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Benzo(g,h,i)perylene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Benzo(k)fluoranthene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Chrysene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Dibenz(a,h)anthracene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Fluoranthene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Fluorene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Indeno(1,2,3-cd)pyrene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
2-Methylnaphthalene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Naphthalene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Phenanthrene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Pyrene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	72.9	40-140		12/11/09 11:55
o-Terphenyl (OTP)	86.0	40-140		12/11/09 11:55
2-Bromonaphthalene	100	40-140		12/11/09 11:55
2-Fluorobiphenyl	99.1	40-140		12/11/09 11:55

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Sample Flags: PR-01, Z-01

Soil/Methanol Preservation Ratio: 1.03

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	15	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
C5-C8 Aliphatics	ND	15	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
Unadjusted C9-C12 Aliphatics	ND	10	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
C9-C12 Aliphatics	ND	10	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
C9-C10 Aromatics	ND	10	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
Benzene	ND	0.052	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
Ethylbenzene	ND	0.052	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.052	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
Naphthalene	ND	0.52	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
Toluene	ND	0.052	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
m+p Xylene	ND	0.10	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
o-Xylene	ND	0.052	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	75.1	70-130		12/10/09 10:47
2,5-Dibromotoluene (PID)	76.9	70-130		12/10/09 10:47

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.5	mg/Kg	1		SW-846 6010B	12/10/09	12/10/09 17:50	OP
Barium	7.5	5.0	mg/Kg	1		SW-846 6010B	12/10/09	12/10/09 17:50	OP
Cadmium	ND	0.25	mg/Kg	1		SW-846 6010B	12/10/09	12/10/09 17:50	OP
Chromium	1.6	0.50	mg/Kg	1		SW-846 6010B	12/10/09	12/10/09 17:50	OP
Lead	3.8	0.75	mg/Kg	1		SW-846 6010B	12/10/09	12/10/09 17:50	OP
Mercury	ND	0.020	mg/Kg	1		SW-846 7471A	12/10/09	12/10/09 14:47	MPF
Selenium	ND	5.0	mg/Kg	1		SW-846 6010B	12/10/09	12/10/09 17:50	OP
Silver	ND	0.50	mg/Kg	1		SW-846 6010B	12/10/09	12/10/09 17:50	OP

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	mg/Kg dry	1	V-16	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Benzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Bromobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Bromochloromethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Bromodichloromethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Bromoform	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Bromomethane	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
2-Butanone (MEK)	ND	0.052	mg/Kg dry	1	V-16	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
n-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
sec-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
tert-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Carbon Disulfide	ND	0.0078	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Carbon Tetrachloride	ND	0.013	mg/Kg dry	1	V-05	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Chlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Chlorodibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Chloroethane	ND	0.026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Chloroform	ND	0.0052	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Chloromethane	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
2-Chlorotoluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
4-Chlorotoluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Dibromomethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,3-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,4-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,1-Dichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2-Dichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,1-Dichloroethylene	ND	0.0052	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
cis-1,2-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
trans-1,2-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2-Dichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,3-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
2,2-Dichloropropane	ND	0.0026	mg/Kg dry	1	V-05	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,1-Dichloropropene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
cis-1,3-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
trans-1,3-Dichloropropene	ND	0.0013	mg/Kg dry	1	V-05	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Diethyl Ether	ND	0.026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Diisopropyl Ether (DIPE)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,4-Dioxane	ND	0.13	mg/Kg dry	1	V-16	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Ethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
2-Hexanone (MBK)	ND	0.026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Isopropylbenzene (Cumene)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0052	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Methylene Chloride	ND	0.026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Naphthalene	ND	0.0052	mg/Kg dry	1	V-05	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
n-Propylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Styrene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,1,1,2-Tetrachloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Tetrachloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Tetrahydrofuran	ND	0.013	mg/Kg dry	1	V-16	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Toluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2,3-Trichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2,4-Trichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,1,1-Trichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,1,2-Trichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Trichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2,3-Trichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2,4-Trimethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,3,5-Trimethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Vinyl Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
m+p Xylene	ND	0.0052	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
o-Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	103	70-130		12/10/09 8:03
Toluene-d8	105	70-130		12/10/09 8:03
4-Bromofluorobenzene	98.0	70-130		12/10/09 8:03

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Acetophenone	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Anthracene	0.24	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Benzo(a)anthracene	0.40	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Benzo(a)pyrene	0.32	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Benzo(b)fluoranthene	0.39	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Butylbenzylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
4-Chloroaniline	ND	0.71	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Chrysene	0.35	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Dibenzofuran	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
1,2-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
1,3-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
1,4-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Dimethylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1	V-19	SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Di-n-octylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Fluoranthene	0.83	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Indeno(1,2,3-cd)pyrene	0.33	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
4-Nitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Phenanthrene	0.75	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Pyrene	0.58	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	85.2	30-130		12/10/09 19:58
Phenol-d6	92.5	30-130		12/10/09 19:58
Nitrobenzene-d5	86.7	30-130		12/10/09 19:58
2-Fluorobiphenyl	72.4	30-130		12/10/09 19:58
2,4,6-Tribromophenol	96.6	30-130		12/10/09 19:58
Terphenyl-d14	65.7	30-130		12/10/09 19:58

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Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
alpha-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
beta-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
delta-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
gamma-BHC (Lindane) [1]	ND	0.0032	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Chlordane [1]	ND	0.021	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
4,4'-DDD [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
4,4'-DDE [1]	ND	0.0043	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
4,4'-DDT [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Dieldrin [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Endosulfan I [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Endosulfan II [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Endosulfan sulfate [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Endrin [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Endrin ketone [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Heptachlor [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Heptachlor epoxide [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Hexachlorobenzene [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Methoxychlor [1]	ND	0.053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		12/11/09 15:32
Decachlorobiphenyl [2]	112	30-150		12/11/09 15:32
Tetrachloro-m-xylene [1]	93.9	30-150		12/11/09 15:32
Tetrachloro-m-xylene [2]	121	30-150		12/11/09 15:32

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Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.0	30-150		12/11/09 16:19
Decachlorobiphenyl [2]	99.6	30-150		12/11/09 16:19
Tetrachloro-m-xylene [1]	43.6	30-150		12/11/09 16:19
Tetrachloro-m-xylene [2]	44.0	30-150		12/11/09 16:19

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Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
C19-C36 Aliphatics	12	11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Unadjusted C11-C22 Aromatics	26	11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
C11-C22 Aromatics	19	11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Acenaphthene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Acenaphthylene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Anthracene	0.21	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Benzo(a)anthracene	0.47	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Benzo(a)pyrene	0.45	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Benzo(b)fluoranthene	0.67	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Benzo(g,h,i)perylene	0.28	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Benzo(k)fluoranthene	0.24	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Chrysene	0.55	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Dibenz(a,h)anthracene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Fluoranthene	1.1	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Fluorene	0.15	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Indeno(1,2,3-cd)pyrene	0.33	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
2-Methylnaphthalene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Naphthalene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Phenanthrene	0.71	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Pyrene	1.1	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	75.5	40-140		12/11/09 12:16
o-Terphenyl (OTP)	100	40-140		12/11/09 12:16
2-Bromonaphthalene	105	40-140		12/11/09 12:16
2-Fluorobiphenyl	105	40-140		12/11/09 12:16

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Sample Flags: PR-01, Z-01

Petroleum Hydrocarbons Analyses - VPH

Soil/Methanol Preservation Ratio: 1.00

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	18	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
C5-C8 Aliphatics	ND	18	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
Unadjusted C9-C12 Aliphatics	ND	12	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
C9-C12 Aliphatics	ND	12	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
C9-C10 Aromatics	ND	12	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
Benzene	ND	0.061	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
Ethylbenzene	ND	0.061	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.061	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
Naphthalene	ND	0.61	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
Toluene	ND	0.061	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
m+p Xylene	ND	0.12	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
o-Xylene	ND	0.061	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	77.2	70-130		12/10/09 8:33
2,5-Dibromotoluene (PID)	77.1	70-130		12/10/09 8:33

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Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010B	12/10/09	12/10/09 16:47	OP
Barium	13	5.4	mg/Kg dry	1		SW-846 6010B	12/10/09	12/10/09 16:47	OP
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010B	12/10/09	12/10/09 16:47	OP
Chromium	4.5	0.54	mg/Kg dry	1		SW-846 6010B	12/10/09	12/10/09 16:47	OP
Lead	5.2	0.81	mg/Kg dry	1		SW-846 6010B	12/10/09	12/10/09 16:47	OP
Mercury	ND	0.021	mg/Kg dry	1		SW-846 7471A	12/10/09	12/10/09 14:49	MPF
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010B	12/10/09	12/10/09 16:47	OP
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010B	12/10/09	12/10/09 16:47	OP

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Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	12/10/09	12/10/09 15:46	FWD

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Sample Extraction Data

Prep Method: SW-846 3546-MADEP-EPH-04-1.1

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008273	20	2	12/10/09
09L0267-02 [Sample-2]	B008273	20	2	12/10/09

Prep Method: MA VPH-MADEP-VPH-04-1.1

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008206	15.5	16	12/10/09
09L0267-02 [Sample-2]	B008206	15	17	12/10/09

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch			Date
09L0267-02 [Sample-2]	B008246			12/10/09

Prep Method: SW-846 3051-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008279	1.0026	50	12/10/09

Prep Method: SW-846 3051-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-02 [Sample-2]	B008251	0.9933	50	12/10/09

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008256	0.1238	25	12/10/09

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-02 [Sample-2]	B008255	0.1255	25	12/10/09

Prep Method: SW-846 3546-SW-846 8081A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008261	10	10	12/10/09
09L0267-02 [Sample-2]	B008261	10	10	12/10/09

Prep Method: SW-846 3546-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008262	10	50	12/10/09
09L0267-02 [Sample-2]	B008262	10	50	12/10/09

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Sample Extraction Data

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008247	4.7	10	12/10/09
09L0267-02 [Sample-2]	B008247	4.1	10	12/10/09

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008252	30	1	12/10/09
09L0267-02 [Sample-2]	B008252	30	1	12/10/09

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008247 - SW-846 5035										
Blank (B008247-BLK1)				Prepared & Analyzed: 12/10/09						
Acetone	ND	0.10	mg/Kg wet							V-16
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.010	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							V-16
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.010	mg/Kg wet							V-05
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.010	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							V-05
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							V-05
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							V-16
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							V-05

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B008247 - SW-846 5035												
Blank (B008247-BLK1)				Prepared & Analyzed: 12/10/09								
n-Propylbenzene	ND	0.0020	mg/Kg wet									
Styrene	ND	0.0020	mg/Kg wet									
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet									
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet									
Tetrachloroethylene	ND	0.0020	mg/Kg wet									
Tetrahydrofuran	ND	0.010	mg/Kg wet								V-16	
Toluene	ND	0.0020	mg/Kg wet									
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet									
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet									
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet									
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet									
Trichloroethylene	ND	0.0020	mg/Kg wet									
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet									
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet									
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet									
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet									
Vinyl Chloride	ND	0.010	mg/Kg wet									
m+p Xylene	ND	0.0040	mg/Kg wet									
o-Xylene	ND	0.0020	mg/Kg wet									
Surrogate: 1,2-Dichloroethane-d4	*0.0523*		mg/Kg wet	0.0500		105		70-130				
Surrogate: Toluene-d8	*0.0518*		mg/Kg wet	0.0500		104		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0488*		mg/Kg wet	0.0500		97.6		70-130				
LCS (B008247-BS1)				Prepared & Analyzed: 12/10/09								
Acetone	0.243	0.10	mg/Kg wet	0.200		121		70-160			V-16	†
tert-Amyl Methyl Ether (TAME)	0.0203	0.0010	mg/Kg wet	0.0200		102		70-130				
Benzene	0.0215	0.0020	mg/Kg wet	0.0200		108		70-130				
Bromobenzene	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130				
Bromochloromethane	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130				
Bromodichloromethane	0.0201	0.0020	mg/Kg wet	0.0200		100		70-130				
Bromoform	0.0189	0.010	mg/Kg wet	0.0200		94.5		70-130				
Bromomethane	0.0196	0.010	mg/Kg wet	0.0200		98.1		40-130				†
2-Butanone (MEK)	0.224	0.040	mg/Kg wet	0.200		112		70-160			V-16	†
n-Butylbenzene	0.0224	0.0020	mg/Kg wet	0.0200		112		70-130				
sec-Butylbenzene	0.0225	0.0020	mg/Kg wet	0.0200		113		70-130				
tert-Butylbenzene	0.0211	0.0020	mg/Kg wet	0.0200		105		70-160				†
tert-Butyl Ethyl Ether (TBEE)	0.0201	0.0010	mg/Kg wet	0.0200		101		70-130				
Carbon Disulfide	0.0264	0.0060	mg/Kg wet	0.0200		**132**	*	70-130			L-02	
Carbon Tetrachloride	0.0168	0.010	mg/Kg wet	0.0200		84.0		70-130			V-05	
Chlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130				
Chlorodibromomethane	0.0232	0.0010	mg/Kg wet	0.0200		116		70-130				
Chloroethane	0.0253	0.020	mg/Kg wet	0.0200		127		70-130				
Chloroform	0.0221	0.0040	mg/Kg wet	0.0200		110		70-130				
Chloromethane	0.0225	0.010	mg/Kg wet	0.0200		113		70-130				
2-Chlorotoluene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130				
4-Chlorotoluene	0.0219	0.0020	mg/Kg wet	0.0200		110		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0185	0.010	mg/Kg wet	0.0200		92.3		70-130				
1,2-Dibromoethane (EDB)	0.0209	0.0010	mg/Kg wet	0.0200		104		70-130				
Dibromomethane	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130				
1,2-Dichlorobenzene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130				
1,3-Dichlorobenzene	0.0198	0.0020	mg/Kg wet	0.0200		98.9		70-130				
1,4-Dichlorobenzene	0.0200	0.0020	mg/Kg wet	0.0200		100		70-130				

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B008247 - SW-846 5035											
LCS (B008247-BS1)				Prepared & Analyzed: 12/10/09							
Dichlorodifluoromethane (Freon 12)	0.0213	0.020	mg/Kg wet	0.0200		107	40-160				†
1,1-Dichloroethane	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130				
1,2-Dichloroethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130				
1,1-Dichloroethylene	0.0256	0.0040	mg/Kg wet	0.0200		128	70-130				
cis-1,2-Dichloroethylene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130				
trans-1,2-Dichloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130				
1,2-Dichloropropane	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130				
1,3-Dichloropropane	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130				
2,2-Dichloropropane	0.0158	0.0020	mg/Kg wet	0.0200		78.9	70-130			V-05	
1,1-Dichloropropene	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130				
cis-1,3-Dichloropropene	0.0186	0.0010	mg/Kg wet	0.0200		92.9	70-130				
trans-1,3-Dichloropropene	0.0180	0.0010	mg/Kg wet	0.0200		90.0	70-130			V-05	
Diethyl Ether	0.0257	0.020	mg/Kg wet	0.0200		129	70-130				
Diisopropyl Ether (DIPE)	0.0232	0.0010	mg/Kg wet	0.0200		116	70-130				
1,4-Dioxane	0.243	0.10	mg/Kg wet	0.200		122	40-160			V-16	†
Ethylbenzene	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130				
Hexachlorobutadiene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-160				
2-Hexanone (MBK)	0.229	0.020	mg/Kg wet	0.200		114	70-160				†
Isopropylbenzene (Cumene)	0.0248	0.0020	mg/Kg wet	0.0200		124	70-130				
p-Isopropyltoluene (p-Cymene)	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130				
Methyl tert-Butyl Ether (MTBE)	0.0214	0.0040	mg/Kg wet	0.0200		107	70-130				
Methylene Chloride	0.0215	0.020	mg/Kg wet	0.0200		108	40-160				†
4-Methyl-2-pentanone (MIBK)	0.230	0.020	mg/Kg wet	0.200		115	70-160				†
Naphthalene	0.0206	0.0040	mg/Kg wet	0.0200		103	40-130			V-05	†
n-Propylbenzene	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130				
Styrene	0.0209	0.0020	mg/Kg wet	0.0200		105	70-130				
1,1,1,2-Tetrachloroethane	0.0183	0.0020	mg/Kg wet	0.0200		91.6	70-130				
1,1,2,2-Tetrachloroethane	0.0226	0.0010	mg/Kg wet	0.0200		113	70-130				
Tetrachloroethylene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130				
Tetrahydrofuran	0.0254	0.010	mg/Kg wet	0.0200		127	70-130			V-16	
Toluene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130				
1,2,3-Trichlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.6	70-130				
1,2,4-Trichlorobenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.7	70-130				
1,1,1-Trichloroethane	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130				
1,1,2-Trichloroethane	0.0209	0.0020	mg/Kg wet	0.0200		105	70-130				
Trichloroethylene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130				
Trichlorofluoromethane (Freon 11)	0.0249	0.010	mg/Kg wet	0.0200		124	70-130				
1,2,3-Trichloropropane	0.0184	0.0020	mg/Kg wet	0.0200		91.8	70-130				
1,2,4-Trimethylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130				
1,3,5-Trimethylbenzene	0.0217	0.0020	mg/Kg wet	0.0200		109	70-130				
Vinyl Chloride	0.0200	0.010	mg/Kg wet	0.0200		100	40-130				†
m+p Xylene	0.0427	0.0040	mg/Kg wet	0.0400		107	70-130				
o-Xylene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0536*		mg/Kg wet	0.0500		107	70-130				
Surrogate: Toluene-d8	*0.0522*		mg/Kg wet	0.0500		104	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0504*		mg/Kg wet	0.0500		101	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B008247 - SW-846 5035												
LCS Dup (B008247-BSD1)				Prepared & Analyzed: 12/10/09								
Acetone	0.245	0.10	mg/Kg wet	0.200		122		70-160	0.886	25	V-16	†
tert-Amyl Methyl Ether (TAME)	0.0205	0.0010	mg/Kg wet	0.0200		102		70-130	0.785	25		
Benzene	0.0229	0.0020	mg/Kg wet	0.0200		114		70-130	6.22	25		
Bromobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130	0.489	25		
Bromochloromethane	0.0223	0.0020	mg/Kg wet	0.0200		111		70-130	4.78	25		
Bromodichloromethane	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130	1.58	25		
Bromoform	0.0189	0.010	mg/Kg wet	0.0200		94.5		70-130	0.00	25		
Bromomethane	0.0241	0.010	mg/Kg wet	0.0200		121		40-130	20.7	25		†
2-Butanone (MEK)	0.228	0.040	mg/Kg wet	0.200		114		70-160	1.51	25	V-16	†
n-Butylbenzene	0.0232	0.0020	mg/Kg wet	0.0200		116		70-130	3.24	25		
sec-Butylbenzene	0.0234	0.0020	mg/Kg wet	0.0200		117		70-130	4.00	25		
tert-Butylbenzene	0.0219	0.0020	mg/Kg wet	0.0200		109		70-160	3.72	25		†
tert-Butyl Ethyl Ether (TBEE)	0.0209	0.0010	mg/Kg wet	0.0200		104		70-130	3.71	25		
Carbon Disulfide	0.0277	0.0060	mg/Kg wet	0.0200		**139**	*	70-130	4.73	25	L-02	
Carbon Tetrachloride	0.0176	0.010	mg/Kg wet	0.0200		88.0		70-130	4.65	25	V-05	
Chlorobenzene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130	2.33	25		
Chlorodibromomethane	0.0232	0.0010	mg/Kg wet	0.0200		116		70-130	0.00	25		
Chloroethane	0.0276	0.020	mg/Kg wet	0.0200		**138**	*	70-130	8.68	25	L-07	
Chloroform	0.0231	0.0040	mg/Kg wet	0.0200		115		70-130	4.34	25		
Chloromethane	0.0235	0.010	mg/Kg wet	0.0200		118		70-130	4.34	25		
2-Chlorotoluene	0.0221	0.0020	mg/Kg wet	0.0200		110		70-130	2.10	25		
4-Chlorotoluene	0.0219	0.0020	mg/Kg wet	0.0200		109		70-130	0.183	25		
1,2-Dibromo-3-chloropropane (DBCP)	0.0176	0.010	mg/Kg wet	0.0200		88.0		70-130	4.77	25		
1,2-Dibromoethane (EDB)	0.0211	0.0010	mg/Kg wet	0.0200		106		70-130	1.33	25		
Dibromomethane	0.0221	0.0020	mg/Kg wet	0.0200		110		70-130	0.272	25		
1,2-Dichlorobenzene	0.0211	0.0020	mg/Kg wet	0.0200		106		70-130	1.62	25		
1,3-Dichlorobenzene	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130	2.69	25		
1,4-Dichlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130	2.08	25		
Dichlorodifluoromethane (Freon 12)	0.0226	0.020	mg/Kg wet	0.0200		113		40-160	5.92	25		†
1,1-Dichloroethane	0.0236	0.0020	mg/Kg wet	0.0200		118		70-130	5.03	25		
1,2-Dichloroethane	0.0219	0.0020	mg/Kg wet	0.0200		109		70-130	2.69	25		
1,1-Dichloroethylene	0.0272	0.0040	mg/Kg wet	0.0200		**136**	*	70-130	5.99	25	L-07	
cis-1,2-Dichloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130	3.25	25		
trans-1,2-Dichloroethylene	0.0226	0.0020	mg/Kg wet	0.0200		113		70-130	6.31	25		
1,2-Dichloropropane	0.0221	0.0020	mg/Kg wet	0.0200		111		70-130	3.12	25		
1,3-Dichloropropane	0.0214	0.0010	mg/Kg wet	0.0200		107		70-130	0.651	25		
2,2-Dichloropropane	0.0169	0.0020	mg/Kg wet	0.0200		84.5		70-130	6.85	25	V-05	
1,1-Dichloropropene	0.0232	0.0020	mg/Kg wet	0.0200		116		70-130	4.05	25		
cis-1,3-Dichloropropene	0.0188	0.0010	mg/Kg wet	0.0200		94.2		70-130	1.39	25		
trans-1,3-Dichloropropene	0.0190	0.0010	mg/Kg wet	0.0200		95.0		70-130	5.41	25	V-05	
Diethyl Ether	0.0269	0.020	mg/Kg wet	0.0200		**134**	*	70-130	4.41	25	L-07	
Diisopropyl Ether (DIPE)	0.0240	0.0010	mg/Kg wet	0.0200		120		70-130	3.56	25		
1,4-Dioxane	0.193	0.10	mg/Kg wet	0.200		96.4		40-160	23.2	50	V-16	† ‡
Ethylbenzene	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130	3.23	25		
Hexachlorobutadiene	0.0226	0.0020	mg/Kg wet	0.0200		113		70-160	5.27	25		
2-Hexanone (MBK)	0.220	0.020	mg/Kg wet	0.200		110		70-160	4.10	25		†
Isopropylbenzene (Cumene)	0.0254	0.0020	mg/Kg wet	0.0200		127		70-130	2.23	25		
p-Isopropyltoluene (p-Cymene)	0.0219	0.0020	mg/Kg wet	0.0200		109		70-130	3.82	25		
Methyl tert-Butyl Ether (MTBE)	0.0219	0.0040	mg/Kg wet	0.0200		110		70-130	2.12	25		
Methylene Chloride	0.0222	0.020	mg/Kg wet	0.0200		111		40-160	3.11	25		†
4-Methyl-2-pentanone (MIBK)	0.220	0.020	mg/Kg wet	0.200		110		70-160	4.56	25		†
Naphthalene	0.0206	0.0040	mg/Kg wet	0.0200		103		40-130	0.00	25	V-05	†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B008247 - SW-846 5035											
LCS Dup (B008247-BSD1)				Prepared & Analyzed: 12/10/09							
n-Propylbenzene	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130	0.0878	25		
Styrene	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130	0.571	25		
1,1,1,2-Tetrachloroethane	0.0179	0.0020	mg/Kg wet	0.0200		89.6	70-130	2.21	25		
1,1,2,2-Tetrachloroethane	0.0223	0.0010	mg/Kg wet	0.0200		112	70-130	1.16	25		
Tetrachloroethylene	0.0227	0.0020	mg/Kg wet	0.0200		114	70-130	3.04	25		
Tetrahydrofuran	0.0228	0.010	mg/Kg wet	0.0200		114	70-130	10.7	25	V-16	
Toluene	0.0223	0.0020	mg/Kg wet	0.0200		112	70-130	3.93	25		
1,2,3-Trichlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.3	70-130	0.302	25		
1,2,4-Trichlorobenzene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130	2.70	25		
1,1,1-Trichloroethane	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130	4.83	25		
1,1,2-Trichloroethane	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130	0.666	25		
Trichloroethylene	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130	3.63	25		
Trichlorofluoromethane (Freon 11)	0.0261	0.010	mg/Kg wet	0.0200		130	70-130	4.63	25		
1,2,3-Trichloropropane	0.0179	0.0020	mg/Kg wet	0.0200		89.4	70-130	2.65	25		
1,2,4-Trimethylbenzene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	2.46	25		
1,3,5-Trimethylbenzene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130	0.367	25		
Vinyl Chloride	0.0214	0.010	mg/Kg wet	0.0200		107	40-130	6.67	25		†
m+p Xylene	0.0440	0.0040	mg/Kg wet	0.0400		110	70-130	2.86	25		
o-Xylene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130	2.79	25		
Surrogate: 1,2-Dichloroethane-d4	*0.0521*		mg/Kg wet	0.0500		104	70-130				
Surrogate: Toluene-d8	*0.0516*		mg/Kg wet	0.0500		103	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0500*		mg/Kg wet	0.0500		100	70-130				
Matrix Spike (B008247-MS1)		**Source: 09L0267-02**		Prepared & Analyzed: 12/10/09							
Acetone	0.298	0.12	mg/Kg dry	0.232	0.0223	119	70-130			V-16	
tert-Amyl Methyl Ether (TAME)	0.0230	0.0012	mg/Kg dry	0.0232	ND	98.9	70-130				
Benzene	0.0263	0.0023	mg/Kg dry	0.0232	ND	113	70-130				
Bromobenzene	0.0237	0.0023	mg/Kg dry	0.0232	ND	102	70-130				
Bromochloromethane	0.0253	0.0023	mg/Kg dry	0.0232	ND	109	70-130				
Bromodichloromethane	0.0229	0.0023	mg/Kg dry	0.0232	ND	98.7	70-130				
Bromoform	0.0209	0.012	mg/Kg dry	0.0232	ND	89.9	70-130				
Bromomethane	0.0263	0.012	mg/Kg dry	0.0232	ND	113	70-130				
2-Butanone (MEK)	0.275	0.046	mg/Kg dry	0.232	ND	118	70-130			V-16	
n-Butylbenzene	0.0266	0.0023	mg/Kg dry	0.0232	ND	114	70-130				
sec-Butylbenzene	0.0265	0.0023	mg/Kg dry	0.0232	ND	114	70-130				
tert-Butylbenzene	0.0249	0.0023	mg/Kg dry	0.0232	ND	107	70-130				
tert-Butyl Ethyl Ether (TBEE)	0.0240	0.0012	mg/Kg dry	0.0232	ND	103	70-130				
Carbon Disulfide	0.0299	0.0070	mg/Kg dry	0.0232	ND	129	70-130			L-02	
Carbon Tetrachloride	0.0180	0.012	mg/Kg dry	0.0232	ND	77.3	70-130			V-05	
Chlorobenzene	0.0240	0.0023	mg/Kg dry	0.0232	ND	103	70-130				
Chlorodibromomethane	0.0262	0.0012	mg/Kg dry	0.0232	ND	113	70-130				
Chloroethane	0.0291	0.023	mg/Kg dry	0.0232	ND	125	70-130				
Chloroform	0.0267	0.0046	mg/Kg dry	0.0232	ND	115	70-130				
Chloromethane	0.0264	0.012	mg/Kg dry	0.0232	ND	114	70-130				
2-Chlorotoluene	0.0253	0.0023	mg/Kg dry	0.0232	ND	109	70-130				
4-Chlorotoluene	0.0254	0.0023	mg/Kg dry	0.0232	ND	109	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0195	0.012	mg/Kg dry	0.0232	ND	83.9	70-130				
1,2-Dibromoethane (EDB)	0.0249	0.0012	mg/Kg dry	0.0232	ND	107	70-130				
Dibromomethane	0.0265	0.0023	mg/Kg dry	0.0232	ND	114	70-130				
1,2-Dichlorobenzene	0.0251	0.0023	mg/Kg dry	0.0232	ND	108	70-130				
1,3-Dichlorobenzene	0.0242	0.0023	mg/Kg dry	0.0232	ND	104	70-130				
1,4-Dichlorobenzene	0.0242	0.0023	mg/Kg dry	0.0232	ND	104	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008247 - SW-846 5035										
Matrix Spike (B008247-MS1)		**Source: 09L0267-02**		Prepared & Analyzed: 12/10/09						
Dichlorodifluoromethane (Freon 12)	0.0249	0.023	mg/Kg dry	0.0232	ND	107	70-130			
1,1-Dichloroethane	0.0269	0.0023	mg/Kg dry	0.0232	ND	116	70-130			
1,2-Dichloroethane	0.0265	0.0023	mg/Kg dry	0.0232	ND	114	70-130			
1,1-Dichloroethylene	0.0295	0.0046	mg/Kg dry	0.0232	ND	127	70-130			
cis-1,2-Dichloroethylene	0.0250	0.0023	mg/Kg dry	0.0232	ND	108	70-130			
trans-1,2-Dichloroethylene	0.0258	0.0023	mg/Kg dry	0.0232	ND	111	70-130			
1,2-Dichloropropane	0.0257	0.0023	mg/Kg dry	0.0232	ND	110	70-130			
1,3-Dichloropropane	0.0257	0.0012	mg/Kg dry	0.0232	ND	111	70-130			
2,2-Dichloropropane	0.0167	0.0023	mg/Kg dry	0.0232	ND	71.9	70-130			V-05
1,1-Dichloropropene	0.0264	0.0023	mg/Kg dry	0.0232	ND	114	70-130			
cis-1,3-Dichloropropene	0.0215	0.0012	mg/Kg dry	0.0232	ND	92.4	70-130			
trans-1,3-Dichloropropene	0.0205	0.0012	mg/Kg dry	0.0232	ND	88.1	70-130			V-05
Diethyl Ether	0.0285	0.023	mg/Kg dry	0.0232	ND	123	70-130			
Diisopropyl Ether (DIPE)	0.0278	0.0012	mg/Kg dry	0.0232	ND	120	70-130			
1,4-Dioxane	0.261	0.12	mg/Kg dry	0.232	ND	112	70-130			V-16
Ethylbenzene	0.0252	0.0023	mg/Kg dry	0.0232	ND	109	70-130			
Hexachlorobutadiene	0.0234	0.0023	mg/Kg dry	0.0232	ND	101	70-130			
2-Hexanone (MBK)	0.273	0.023	mg/Kg dry	0.232	ND	118	70-130			
Isopropylbenzene (Cumene)	0.0286	0.0023	mg/Kg dry	0.0232	ND	123	70-130			
p-Isopropyltoluene (p-Cymene)	0.0249	0.0023	mg/Kg dry	0.0232	ND	107	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0251	0.0046	mg/Kg dry	0.0232	ND	108	70-130			
Methylene Chloride	0.0265	0.023	mg/Kg dry	0.0232	0.00242	104	70-130			
4-Methyl-2-pentanone (MIBK)	0.276	0.023	mg/Kg dry	0.232	ND	119	70-130			
Naphthalene	0.0213	0.0046	mg/Kg dry	0.0232	ND	91.8	70-130			V-05
n-Propylbenzene	0.0262	0.0023	mg/Kg dry	0.0232	ND	113	70-130			
Styrene	0.0250	0.0023	mg/Kg dry	0.0232	ND	108	70-130			
1,1,1,2-Tetrachloroethane	0.0200	0.0023	mg/Kg dry	0.0232	ND	86.3	70-130			
1,1,2,2-Tetrachloroethane	0.0267	0.0012	mg/Kg dry	0.0232	ND	115	70-130			
Tetrachloroethylene	0.0263	0.0023	mg/Kg dry	0.0232	ND	113	70-130			
Tetrahydrofuran	0.0238	0.012	mg/Kg dry	0.0232	ND	102	70-130			V-16
Toluene	0.0260	0.0023	mg/Kg dry	0.0232	ND	112	70-130			
1,2,3-Trichlorobenzene	0.0225	0.0023	mg/Kg dry	0.0232	ND	96.9	70-130			
1,2,4-Trichlorobenzene	0.0229	0.0023	mg/Kg dry	0.0232	ND	98.4	70-130			
1,1,1-Trichloroethane	0.0219	0.0023	mg/Kg dry	0.0232	ND	94.5	70-130			
1,1,2-Trichloroethane	0.0254	0.0023	mg/Kg dry	0.0232	ND	109	70-130			
Trichloroethylene	0.0259	0.0023	mg/Kg dry	0.0232	ND	112	70-130			
Trichlorofluoromethane (Freon 11)	0.0290	0.012	mg/Kg dry	0.0232	ND	125	70-130			
1,2,3-Trichloropropane	0.0206	0.0023	mg/Kg dry	0.0232	ND	88.5	70-130			
1,2,4-Trimethylbenzene	0.0235	0.0023	mg/Kg dry	0.0232	ND	101	70-130			
1,3,5-Trimethylbenzene	0.0248	0.0023	mg/Kg dry	0.0232	ND	107	70-130			
Vinyl Chloride	0.0226	0.012	mg/Kg dry	0.0232	ND	97.5	70-130			
m+p Xylene	0.0502	0.0046	mg/Kg dry	0.0465	ND	108	70-130			
o-Xylene	0.0254	0.0023	mg/Kg dry	0.0232	ND	110	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0607*		mg/Kg dry	0.0581		105	70-130			
Surrogate: Toluene-d8	*0.0619*		mg/Kg dry	0.0581		107	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0568*		mg/Kg dry	0.0581		97.8	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008252 - SW-846 3546										
Blank (B008252-BLK1)				Prepared & Analyzed: 12/10/09						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.66	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.66	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-19
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.66	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B008252 - SW-846 3546											
Blank (B008252-BLK1)				Prepared & Analyzed: 12/10/09							
Phenol	ND	0.34	mg/Kg wet								
Pyrene	ND	0.17	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet								
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet								
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet								
Surrogate: 2-Fluorophenol	*5.62*		mg/Kg wet	6.67		84.3	30-130				
Surrogate: Phenol-d6	*5.58*		mg/Kg wet	6.67		83.7	30-130				
Surrogate: Nitrobenzene-d5	*2.67*		mg/Kg wet	3.33		80.2	30-130				
Surrogate: 2-Fluorobiphenyl	*2.51*		mg/Kg wet	3.33		75.2	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.69*		mg/Kg wet	6.67		85.4	30-130				
Surrogate: Terphenyl-d14	*2.48*		mg/Kg wet	3.33		74.5	30-130				
LCS (B008252-BS1)				Prepared & Analyzed: 12/10/09							
Acenaphthene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140				
Acenaphthylene	0.986	0.17	mg/Kg wet	1.67		59.2	40-140				
Acetophenone	0.691	0.34	mg/Kg wet	0.833		83.0	40-140				
Aniline	0.710	0.34	mg/Kg wet	1.67		42.6	10-140				†
Anthracene	1.07	0.17	mg/Kg wet	1.67		64.0	40-140				
Benzo(a)anthracene	1.14	0.17	mg/Kg wet	1.67		68.6	40-140				
Benzo(a)pyrene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140				
Benzo(b)fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.8	40-140				
Benzo(g,h,i)perylene	1.14	0.17	mg/Kg wet	1.67		68.1	40-140				
Benzo(k)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.0	40-140				
Bis(2-chloroethoxy)methane	1.32	0.34	mg/Kg wet	1.67		79.1	40-140				
Bis(2-chloroethyl)ether	1.35	0.34	mg/Kg wet	1.67		80.9	40-140				
Bis(2-chloroisopropyl)ether	1.15	0.34	mg/Kg wet	1.67		68.8	40-140				
Bis(2-Ethylhexyl)phthalate	1.31	0.34	mg/Kg wet	1.67		78.4	40-140				
4-Bromophenylphenylether	1.34	0.34	mg/Kg wet	1.67		80.1	40-140				
Butylbenzylphthalate	1.29	0.66	mg/Kg wet	1.67		77.4	40-140				
4-Chloroaniline	0.437	0.66	mg/Kg wet	1.67		26.2	10-140				†
2-Chloronaphthalene	1.19	0.34	mg/Kg wet	1.67		71.5	40-140				
2-Chlorophenol	1.38	0.34	mg/Kg wet	1.67		82.8	30-130				
Chrysene	1.08	0.17	mg/Kg wet	1.67		64.5	40-140				
Dibenz(a,h)anthracene	1.15	0.17	mg/Kg wet	1.67		69.2	40-140				
Dibenzofuran	1.31	0.34	mg/Kg wet	1.67		78.4	40-140				
Di-n-butylphthalate	1.23	0.34	mg/Kg wet	1.67		73.7	40-140				
1,2-Dichlorobenzene	1.34	0.34	mg/Kg wet	1.67		80.2	40-140				
1,3-Dichlorobenzene	1.30	0.34	mg/Kg wet	1.67		78.3	40-140				
1,4-Dichlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.5	40-140				
3,3-Dichlorobenzidine	0.581	0.17	mg/Kg wet	1.67		34.9	20-140				†
2,4-Dichlorophenol	1.40	0.34	mg/Kg wet	1.67		84.0	30-130				
Diethylphthalate	1.24	0.34	mg/Kg wet	1.67		74.3	40-140				
2,4-Dimethylphenol	1.27	0.34	mg/Kg wet	1.67		76.0	30-130				
Dimethylphthalate	1.26	0.66	mg/Kg wet	1.67		75.3	40-140				
2,4-Dinitrophenol	1.32	0.66	mg/Kg wet	1.67		79.0	30-130			V-19	
2,4-Dinitrotoluene	1.40	0.34	mg/Kg wet	1.67		84.0	40-140				
2,6-Dinitrotoluene	1.35	0.34	mg/Kg wet	1.67		81.1	40-140				
Di-n-octylphthalate	1.46	0.66	mg/Kg wet	1.67		87.5	40-140				
1,2-Diphenylhydrazine (as Azobenzene)	1.30	0.34	mg/Kg wet	1.67		77.8	40-140				
Fluoranthene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140				
Fluorene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140				
Hexachlorobenzene	1.26	0.34	mg/Kg wet	1.67		75.5	40-140				

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008252 - SW-846 3546										
LCS (B008252-BS1)				Prepared & Analyzed: 12/10/09						
Hexachlorobutadiene	1.40	0.34	mg/Kg wet	1.67		83.9	40-140			
Hexachloroethane	1.31	0.34	mg/Kg wet	1.67		78.8	40-140			
Indeno(1,2,3-cd)pyrene	1.30	0.17	mg/Kg wet	1.67		78.0	40-140			
Isophorone	1.26	0.34	mg/Kg wet	1.67		75.5	40-140			
2-Methylnaphthalene	1.28	0.17	mg/Kg wet	1.67		76.7	40-140			
2-Methylphenol	1.34	0.34	mg/Kg wet	1.67		80.1	30-130			
3/4-Methylphenol	1.46	0.34	mg/Kg wet	1.67		87.6	30-130			
Naphthalene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140			
Nitrobenzene	1.30	0.34	mg/Kg wet	1.67		78.0	40-140			
2-Nitrophenol	1.44	0.34	mg/Kg wet	1.67		86.5	30-130			
4-Nitrophenol	1.34	0.66	mg/Kg wet	1.67		80.1	30-130			
Pentachlorophenol	1.00	0.34	mg/Kg wet	1.67		60.1	30-130			
Phenanthrene	1.01	0.17	mg/Kg wet	1.67		60.9	40-140			
Phenol	1.27	0.34	mg/Kg wet	1.67		76.4	30-130			
Pyrene	0.942	0.17	mg/Kg wet	1.67		56.5	40-140			
1,2,4-Trichlorobenzene	1.37	0.34	mg/Kg wet	1.67		82.3	40-140			
2,4,5-Trichlorophenol	1.30	0.34	mg/Kg wet	1.67		77.8	30-130			
2,4,6-Trichlorophenol	1.34	0.34	mg/Kg wet	1.67		80.4	30-130			
Surrogate: 2-Fluorophenol	*5.06*		mg/Kg wet	6.67		75.8	30-130			
Surrogate: Phenol-d6	*5.17*		mg/Kg wet	6.67		77.6	30-130			
Surrogate: Nitrobenzene-d5	*2.69*		mg/Kg wet	3.33		80.6	30-130			
Surrogate: 2-Fluorobiphenyl	*2.57*		mg/Kg wet	3.33		77.2	30-130			
Surrogate: 2,4,6-Tribromophenol	*5.71*		mg/Kg wet	6.67		85.7	30-130			
Surrogate: Terphenyl-d14	*2.58*		mg/Kg wet	3.33		77.3	30-130			
LCS Dup (B008252-BSD1)				Prepared & Analyzed: 12/10/09						
Acenaphthene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140	2.81	30	
Acenaphthylene	1.01	0.17	mg/Kg wet	1.67		60.8	40-140	2.70	30	
Acetophenone	0.689	0.34	mg/Kg wet	0.833		82.6	40-140	0.386	30	
Aniline	0.760	0.34	mg/Kg wet	1.67		45.6	10-140	6.76	50	† ‡
Anthracene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	2.53	30	
Benzo(a)anthracene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140	3.41	30	
Benzo(a)pyrene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	2.20	30	
Benzo(b)fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140	1.60	30	
Benzo(g,h,i)perylene	1.13	0.17	mg/Kg wet	1.67		67.5	40-140	0.884	30	
Benzo(k)fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.9	40-140	1.47	30	
Bis(2-chloroethoxy)methane	1.31	0.34	mg/Kg wet	1.67		78.4	40-140	0.940	30	
Bis(2-chloroethyl)ether	1.34	0.34	mg/Kg wet	1.67		80.4	40-140	0.670	30	
Bis(2-chloroisopropyl)ether	1.16	0.34	mg/Kg wet	1.67		69.5	40-140	0.926	30	
Bis(2-Ethylhexyl)phthalate	1.41	0.34	mg/Kg wet	1.67		84.7	40-140	7.77	30	
4-Bromophenylphenylether	1.31	0.34	mg/Kg wet	1.67		78.8	40-140	1.69	30	
Butylbenzylphthalate	1.43	0.66	mg/Kg wet	1.67		85.9	40-140	10.4	30	
4-Chloroaniline	0.433	0.66	mg/Kg wet	1.67		26.0	10-140	0.997	30	†
2-Chloronaphthalene	1.21	0.34	mg/Kg wet	1.67		72.6	40-140	1.61	30	
2-Chlorophenol	1.38	0.34	mg/Kg wet	1.67		82.8	30-130	0.0483	30	
Chrysene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140	0.466	30	
Dibenz(a,h)anthracene	1.16	0.17	mg/Kg wet	1.67		69.6	40-140	0.461	30	
Dibenzofuran	1.33	0.34	mg/Kg wet	1.67		79.8	40-140	1.75	30	
Di-n-butylphthalate	1.33	0.34	mg/Kg wet	1.67		80.0	40-140	8.17	30	
1,2-Dichlorobenzene	1.35	0.34	mg/Kg wet	1.67		80.9	40-140	0.894	30	
1,3-Dichlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.2	40-140	1.17	30	
1,4-Dichlorobenzene	1.33	0.34	mg/Kg wet	1.67		79.9	40-140	0.452	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B008252 - SW-846 3546											
LCS Dup (B008252-BSD1)				Prepared & Analyzed: 12/10/09							
3,3-Dichlorobenzidine	0.524	0.17	mg/Kg wet	1.67		31.4	20-140	10.4	50		† ‡
2,4-Dichlorophenol	1.42	0.34	mg/Kg wet	1.67		85.1	30-130	1.23	30		
Diethylphthalate	1.36	0.34	mg/Kg wet	1.67		81.5	40-140	9.17	30		
2,4-Dimethylphenol	1.28	0.34	mg/Kg wet	1.67		76.7	30-130	0.995	30		
Dimethylphthalate	1.35	0.66	mg/Kg wet	1.67		80.8	40-140	6.97	30		
2,4-Dinitrophenol	1.39	0.66	mg/Kg wet	1.67		83.6	30-130	5.66	30	V-19	
2,4-Dinitrotoluene	1.53	0.34	mg/Kg wet	1.67		91.9	40-140	9.03	30		
2,6-Dinitrotoluene	1.46	0.34	mg/Kg wet	1.67		87.3	40-140	7.38	30		
Di-n-octylphthalate	1.49	0.66	mg/Kg wet	1.67		89.6	40-140	2.33	30		
1,2-Diphenylhydrazine (as Azobenzene)	1.23	0.34	mg/Kg wet	1.67		73.5	40-140	5.66	30		
Fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	5.18	30		
Fluorene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	5.78	30		
Hexachlorobenzene	1.28	0.34	mg/Kg wet	1.67		77.0	40-140	2.02	30		
Hexachlorobutadiene	1.45	0.34	mg/Kg wet	1.67		87.3	40-140	3.90	30		
Hexachloroethane	1.34	0.34	mg/Kg wet	1.67		80.4	40-140	2.01	30		
Indeno(1,2,3-cd)pyrene	1.27	0.17	mg/Kg wet	1.67		76.4	40-140	2.07	30		
Isophorone	1.28	0.34	mg/Kg wet	1.67		76.9	40-140	1.81	30		
2-Methylnaphthalene	1.27	0.17	mg/Kg wet	1.67		76.2	40-140	0.602	30		
2-Methylphenol	1.40	0.34	mg/Kg wet	1.67		84.3	30-130	5.04	30		
3/4-Methylphenol	1.40	0.34	mg/Kg wet	1.67		84.1	30-130	4.03	30		
Naphthalene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140	0.971	30		
Nitrobenzene	1.28	0.34	mg/Kg wet	1.67		77.0	40-140	1.24	30		
2-Nitrophenol	1.48	0.34	mg/Kg wet	1.67		88.5	30-130	2.31	30		
4-Nitrophenol	1.48	0.66	mg/Kg wet	1.67		88.8	30-130	10.3	50		‡
Pentachlorophenol	1.03	0.34	mg/Kg wet	1.67		61.6	30-130	2.53	30		
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		63.2	40-140	3.77	30		
Phenol	1.27	0.34	mg/Kg wet	1.67		76.0	30-130	0.525	30		
Pyrene	1.12	0.17	mg/Kg wet	1.67		67.3	40-140	17.4	30		
1,2,4-Trichlorobenzene	1.38	0.34	mg/Kg wet	1.67		82.9	40-140	0.727	30		
2,4,5-Trichlorophenol	1.34	0.34	mg/Kg wet	1.67		80.7	30-130	3.56	30		
2,4,6-Trichlorophenol	1.30	0.34	mg/Kg wet	1.67		78.0	30-130	3.01	30		
Surrogate: 2-Fluorophenol	*5.29*		mg/Kg wet	6.67		79.4	30-130				
Surrogate: Phenol-d6	*5.18*		mg/Kg wet	6.67		77.7	30-130				
Surrogate: Nitrobenzene-d5	*2.71*		mg/Kg wet	3.33		81.2	30-130				
Surrogate: 2-Fluorobiphenyl	*2.59*		mg/Kg wet	3.33		77.7	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.50*		mg/Kg wet	6.67		97.4	30-130				
Surrogate: Terphenyl-d14	*3.00*		mg/Kg wet	3.33		90.1	30-130				

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008261 - SW-846 3546										
Blank (B008261-BLK1)				Prepared: 12/10/09 Analyzed: 12/11/09						
Aldrin	ND	0.0050	mg/Kg wet							
Aldrin [2C]	ND	0.0050	mg/Kg wet							
alpha-BHC	ND	0.0050	mg/Kg wet							
alpha-BHC [2C]	ND	0.0050	mg/Kg wet							
beta-BHC	ND	0.0050	mg/Kg wet							
beta-BHC [2C]	ND	0.0050	mg/Kg wet							
delta-BHC	ND	0.0050	mg/Kg wet							
delta-BHC [2C]	ND	0.0050	mg/Kg wet							
gamma-BHC (Lindane)	ND	0.0030	mg/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0030	mg/Kg wet							
Chlordane	ND	0.020	mg/Kg wet							
Chlordane [2C]	ND	0.020	mg/Kg wet							
4,4'-DDD	ND	0.0080	mg/Kg wet							
4,4'-DDD [2C]	ND	0.0080	mg/Kg wet							
4,4'-DDE	ND	0.0040	mg/Kg wet							
4,4'-DDE [2C]	ND	0.0040	mg/Kg wet							
4,4'-DDT	ND	0.0080	mg/Kg wet							
4,4'-DDT [2C]	ND	0.0080	mg/Kg wet							
Dieldrin	ND	0.0080	mg/Kg wet							
Dieldrin [2C]	ND	0.0080	mg/Kg wet							
Endosulfan I	ND	0.0050	mg/Kg wet							
Endosulfan I [2C]	ND	0.0050	mg/Kg wet							
Endosulfan II	ND	0.0080	mg/Kg wet							
Endosulfan II [2C]	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate [2C]	ND	0.0080	mg/Kg wet							
Endrin	ND	0.0080	mg/Kg wet							
Endrin [2C]	ND	0.0080	mg/Kg wet							
Endrin Aldehyde	ND	0.0080	mg/Kg wet							
Endrin Aldehyde [2C]	ND	0.0080	mg/Kg wet							
Endrin Ketone	ND	0.0080	mg/Kg wet							
Endrin Ketone [2C]	ND	0.0080	mg/Kg wet							
Heptachlor	ND	0.0050	mg/Kg wet							
Heptachlor [2C]	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide [2C]	ND	0.0050	mg/Kg wet							
Hexachlorobenzene	ND	0.0050	mg/Kg wet							
Hexachlorobenzene [2C]	ND	0.0050	mg/Kg wet							
Methoxychlor	ND	0.050	mg/Kg wet							
Methoxychlor [2C]	ND	0.050	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.221*		mg/Kg wet	0.200		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.228*		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene	*0.212*		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.252*		mg/Kg wet	0.200		126	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008261 - SW-846 3546										
LCS (B008261-BS1)				Prepared: 12/10/09 Analyzed: 12/11/09						
Aldrin	0.023	0.0050	mg/Kg wet	0.0200		116	40-140			
Aldrin [2C]	0.024	0.0050	mg/Kg wet	0.0200		122	40-140			
alpha-BHC	0.027	0.0050	mg/Kg wet	0.0200		136	40-140			
alpha-BHC [2C]	0.025	0.0050	mg/Kg wet	0.0200		127	40-140			
beta-BHC	0.023	0.0050	mg/Kg wet	0.0200		116	40-140			
beta-BHC [2C]	0.024	0.0050	mg/Kg wet	0.0200		119	40-140			
delta-BHC	0.023	0.0050	mg/Kg wet	0.0200		115	40-140			
delta-BHC [2C]	0.024	0.0050	mg/Kg wet	0.0200		119	40-140			
gamma-BHC (Lindane)	0.024	0.0030	mg/Kg wet	0.0200		118	40-140			
gamma-BHC (Lindane) [2C]	0.025	0.0030	mg/Kg wet	0.0200		126	40-140			
4,4'-DDD	0.026	0.0080	mg/Kg wet	0.0200		128	40-140			
4,4'-DDD [2C]	0.024	0.0080	mg/Kg wet	0.0200		121	40-140			
4,4'-DDE	0.026	0.0040	mg/Kg wet	0.0200		130	40-140			V-20
4,4'-DDE [2C]	0.024	0.0040	mg/Kg wet	0.0200		122	40-140			
4,4'-DDT	0.024	0.0080	mg/Kg wet	0.0200		121	40-140			
4,4'-DDT [2C]	0.023	0.0080	mg/Kg wet	0.0200		115	40-140			
Dieldrin	0.026	0.0080	mg/Kg wet	0.0200		128	40-140			
Dieldrin [2C]	0.024	0.0080	mg/Kg wet	0.0200		118	40-140			
Endosulfan I	0.024	0.0050	mg/Kg wet	0.0200		119	40-140			
Endosulfan I [2C]	0.024	0.0050	mg/Kg wet	0.0200		118	40-140			
Endosulfan II	0.025	0.0080	mg/Kg wet	0.0200		124	40-140			
Endosulfan II [2C]	0.024	0.0080	mg/Kg wet	0.0200		118	40-140			
Endosulfan Sulfate	0.025	0.0080	mg/Kg wet	0.0200		123	40-140			
Endosulfan Sulfate [2C]	0.023	0.0080	mg/Kg wet	0.0200		115	40-140			
Endrin	0.026	0.0080	mg/Kg wet	0.0200		130	40-140			V-20
Endrin [2C]	0.025	0.0080	mg/Kg wet	0.0200		124	40-140			
Endrin Ketone	0.024	0.0080	mg/Kg wet	0.0200		122	40-140			
Endrin Ketone [2C]	0.023	0.0080	mg/Kg wet	0.0200		114	40-140			
Heptachlor	0.023	0.0050	mg/Kg wet	0.0200		113	40-140			
Heptachlor [2C]	0.025	0.0050	mg/Kg wet	0.0200		126	40-140			
Heptachlor Epoxide	0.024	0.0050	mg/Kg wet	0.0200		122	40-140			
Heptachlor Epoxide [2C]	0.024	0.0050	mg/Kg wet	0.0200		120	40-140			
Hexachlorobenzene	0.023	0.0050	mg/Kg wet	0.0200		117	40-140			
Hexachlorobenzene [2C]	0.025	0.0050	mg/Kg wet	0.0200		125	40-140			
Methoxychlor	0.028	0.050	mg/Kg wet	0.0200		139	40-140			
Methoxychlor [2C]	0.025	0.050	mg/Kg wet	0.0200		126	40-140			
Surrogate: Decachlorobiphenyl	*0.224*		mg/Kg wet	0.200		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.230*		mg/Kg wet	0.200		115	30-150			
Surrogate: Tetrachloro-m-xylene	*0.219*		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.261*		mg/Kg wet	0.200		131	30-150			
LCS Dup (B008261-BSD1)				Prepared: 12/10/09 Analyzed: 12/11/09						
Aldrin	0.023	0.0050	mg/Kg wet	0.0200		116	40-140	0.358	30	
Aldrin [2C]	0.024	0.0050	mg/Kg wet	0.0200		122	40-140	0.144	30	
alpha-BHC	0.028	0.0050	mg/Kg wet	0.0200		138	40-140	1.71	30	
alpha-BHC [2C]	0.025	0.0050	mg/Kg wet	0.0200		127	40-140	0.170	30	
beta-BHC	0.023	0.0050	mg/Kg wet	0.0200		117	40-140	1.04	30	
beta-BHC [2C]	0.024	0.0050	mg/Kg wet	0.0200		120	40-140	0.548	30	
delta-BHC	0.024	0.0050	mg/Kg wet	0.0200		118	40-140	2.43	30	
delta-BHC [2C]	0.024	0.0050	mg/Kg wet	0.0200		122	40-140	3.01	30	
gamma-BHC (Lindane)	0.024	0.0030	mg/Kg wet	0.0200		120	40-140	1.41	30	
gamma-BHC (Lindane) [2C]	0.025	0.0030	mg/Kg wet	0.0200		127	40-140	0.784	30	

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008261 - SW-846 3546										
LCS Dup (B008261-BSD1)				Prepared: 12/10/09 Analyzed: 12/11/09						
4,4'-DDD	0.026	0.0080	mg/Kg wet	0.0200		132	40-140	2.44	30	
4,4'-DDD [2C]	0.025	0.0080	mg/Kg wet	0.0200		123	40-140	2.17	30	
4,4'-DDE	0.027	0.0040	mg/Kg wet	0.0200		133	40-140	2.08	30	V-20
4,4'-DDE [2C]	0.025	0.0040	mg/Kg wet	0.0200		124	40-140	1.17	30	
4,4'-DDT	0.025	0.0080	mg/Kg wet	0.0200		123	40-140	1.65	30	
4,4'-DDT [2C]	0.024	0.0080	mg/Kg wet	0.0200		118	40-140	2.68	30	
Dieldrin	0.026	0.0080	mg/Kg wet	0.0200		132	40-140	3.09	30	
Dieldrin [2C]	0.024	0.0080	mg/Kg wet	0.0200		122	40-140	2.66	30	
Endosulfan I	0.025	0.0050	mg/Kg wet	0.0200		123	40-140	2.50	30	
Endosulfan I [2C]	0.024	0.0050	mg/Kg wet	0.0200		121	40-140	2.17	30	
Endosulfan II	0.025	0.0080	mg/Kg wet	0.0200		127	40-140	2.60	30	
Endosulfan II [2C]	0.025	0.0080	mg/Kg wet	0.0200		123	40-140	3.57	30	
Endosulfan Sulfate	0.025	0.0080	mg/Kg wet	0.0200		126	40-140	2.54	30	
Endosulfan Sulfate [2C]	0.024	0.0080	mg/Kg wet	0.0200		118	40-140	2.59	30	
Endrin	0.027	0.0080	mg/Kg wet	0.0200		133	40-140	2.20	30	V-20
Endrin [2C]	0.025	0.0080	mg/Kg wet	0.0200		126	40-140	1.40	30	
Endrin Ketone	0.025	0.0080	mg/Kg wet	0.0200		125	40-140	3.09	30	
Endrin Ketone [2C]	0.023	0.0080	mg/Kg wet	0.0200		117	40-140	3.14	30	
Heptachlor	0.023	0.0050	mg/Kg wet	0.0200		114	40-140	0.322	30	
Heptachlor [2C]	0.025	0.0050	mg/Kg wet	0.0200		125	40-140	0.614	30	
Heptachlor Epoxide	0.025	0.0050	mg/Kg wet	0.0200		124	40-140	2.17	30	
Heptachlor Epoxide [2C]	0.024	0.0050	mg/Kg wet	0.0200		122	40-140	1.67	30	
Hexachlorobenzene	0.023	0.0050	mg/Kg wet	0.0200		115	40-140	1.57	30	
Hexachlorobenzene [2C]	0.024	0.0050	mg/Kg wet	0.0200		122	40-140	1.75	30	
Methoxychlor	0.027	0.050	mg/Kg wet	0.0200		135	40-140	2.99	30	
Methoxychlor [2C]	0.026	0.050	mg/Kg wet	0.0200		129	40-140	2.36	30	
Surrogate: Decachlorobiphenyl	*0.223*		mg/Kg wet	0.200		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.229*		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene	*0.209*		mg/Kg wet	0.200		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.249*		mg/Kg wet	0.200		124	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008262 - SW-846 3546										
Blank (B008262-BLK1)				Prepared: 12/10/09 Analyzed: 12/11/09						
Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.185*		mg/Kg wet	0.200		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.200*		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.197*		mg/Kg wet	0.200		98.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.200*		mg/Kg wet	0.200		99.8	30-150			
LCS (B008262-BS1)				Prepared: 12/10/09 Analyzed: 12/11/09						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		102	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		108	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		99.6	40-140			
Aroclor-1260 [2C]	0.19	0.10	mg/Kg wet	0.200		95.9	40-140			
Surrogate: Decachlorobiphenyl	*0.189*		mg/Kg wet	0.200		94.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.121*		mg/Kg wet	0.200		60.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.202*		mg/Kg wet	0.200		101	30-150			
LCS Dup (B008262-BSD1)				Prepared: 12/10/09 Analyzed: 12/11/09						
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		103	40-140	1.62	30	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		98.8	40-140	8.94	30	
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		101	40-140	1.70	30	
Aroclor-1260 [2C]	0.19	0.10	mg/Kg wet	0.200		96.3	40-140	0.385	30	
Surrogate: Decachlorobiphenyl	*0.186*		mg/Kg wet	0.200		92.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.201*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.198*		mg/Kg wet	0.200		99.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0820*		mg/Kg wet	0.200		41.0	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008273 - SW-846 3546										
Blank (B008273-BLK1)				Prepared: 12/10/09 Analyzed: 12/11/09						
C9-C18 Aliphatics	ND	10	mg/Kg wet							
C19-C36 Aliphatics	ND	10	mg/Kg wet							
Unadjusted C11-C22 Aromatics	ND	10	mg/Kg wet							
C11-C22 Aromatics	ND	10	mg/Kg wet							
Acenaphthene	ND	0.10	mg/Kg wet							
Acenaphthylene	ND	0.10	mg/Kg wet							
Anthracene	ND	0.10	mg/Kg wet							
Benzo(a)anthracene	ND	0.10	mg/Kg wet							
Benzo(a)pyrene	ND	0.10	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.10	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.10	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.10	mg/Kg wet							
Chrysene	ND	0.10	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.10	mg/Kg wet							
Fluoranthene	ND	0.10	mg/Kg wet							
Fluorene	ND	0.10	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.10	mg/Kg wet							
2-Methylnaphthalene	ND	0.10	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							
Phenanthrene	ND	0.10	mg/Kg wet							
Pyrene	ND	0.10	mg/Kg wet							
Surrogate: Chlorooctadecane (COD)	*4.23*		mg/Kg wet	5.00		84.6	40-140			
Surrogate: o-Terphenyl (OTP)	*5.48*		mg/Kg wet	5.00		110	40-140			
Surrogate: 2-Bromonaphthalene	*5.46*		mg/Kg wet	5.00		109	40-140			
Surrogate: 2-Fluorobiphenyl	*5.35*		mg/Kg wet	5.00		107	40-140			
LCS (B008273-BS1)				Prepared: 12/10/09 Analyzed: 12/11/09						
C9-C18 Aliphatics	29.4	10	mg/Kg wet	30.0		97.9	40-140			
C19-C36 Aliphatics	49.1	10	mg/Kg wet	40.0		123	40-140			
Unadjusted C11-C22 Aromatics	95.3	10	mg/Kg wet	85.0		112	40-140			
Acenaphthene	5.10	0.10	mg/Kg wet	5.00		102	40-140			
Acenaphthylene	5.04	0.10	mg/Kg wet	5.00		101	40-140			
Anthracene	5.55	0.10	mg/Kg wet	5.00		111	40-140			
Benzo(a)anthracene	5.52	0.10	mg/Kg wet	5.00		110	40-140			
Benzo(a)pyrene	5.49	0.10	mg/Kg wet	5.00		110	40-140			
Benzo(b)fluoranthene	5.71	0.10	mg/Kg wet	5.00		114	40-140			
Benzo(g,h,i)perylene	5.61	0.10	mg/Kg wet	5.00		112	40-140			
Benzo(k)fluoranthene	5.63	0.10	mg/Kg wet	5.00		113	40-140			
Chrysene	5.70	0.10	mg/Kg wet	5.00		114	40-140			
Dibenz(a,h)anthracene	5.60	0.10	mg/Kg wet	5.00		112	40-140			
Fluoranthene	5.51	0.10	mg/Kg wet	5.00		110	40-140			
Fluorene	5.30	0.10	mg/Kg wet	5.00		106	40-140			
Indeno(1,2,3-cd)pyrene	5.51	0.10	mg/Kg wet	5.00		110	40-140			
2-Methylnaphthalene	4.84	0.10	mg/Kg wet	5.00		96.8	40-140			
Naphthalene	4.51	0.10	mg/Kg wet	5.00		90.2	40-140			
Phenanthrene	5.41	0.10	mg/Kg wet	5.00		108	40-140			
Pyrene	5.68	0.10	mg/Kg wet	5.00		114	40-140			
n-Nonane	3.23	0.10	mg/Kg wet	5.00		64.7	30-140			
Naphthalene-aliphatic fraction	0.00		mg/Kg wet	5.00			0-5			
2-Methylnaphthalene-aliphatic fraction	0.00		mg/Kg wet	5.00			0-5			
Surrogate: Chlorooctadecane (COD)	*4.14*		mg/Kg wet	5.00		82.8	40-140			
Surrogate: o-Terphenyl (OTP)	*5.49*		mg/Kg wet	5.00		110	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008273 - SW-846 3546										
LCS (B008273-BS1)				Prepared: 12/10/09 Analyzed: 12/11/09						
Surrogate: 2-Bromonaphthalene	*5.17*		mg/Kg wet	5.00		103	40-140			
Surrogate: 2-Fluorobiphenyl	*5.20*		mg/Kg wet	5.00		104	40-140			
LCS Dup (B008273-BSD1)				Prepared: 12/10/09 Analyzed: 12/11/09						
C9-C18 Aliphatics	27.5	10	mg/Kg wet	30.0		91.6	40-140	6.62	25	
C19-C36 Aliphatics	47.8	10	mg/Kg wet	40.0		119	40-140	2.72	25	
Unadjusted C11-C22 Aromatics	91.6	10	mg/Kg wet	85.0		108	40-140	4.02	25	
Acenaphthene	4.94	0.10	mg/Kg wet	5.00		98.9	40-140	3.03	25	
Acenaphthylene	4.89	0.10	mg/Kg wet	5.00		97.8	40-140	2.97	25	
Anthracene	5.32	0.10	mg/Kg wet	5.00		106	40-140	4.26	25	
Benzo(a)anthracene	5.26	0.10	mg/Kg wet	5.00		105	40-140	4.81	25	
Benzo(a)pyrene	5.24	0.10	mg/Kg wet	5.00		105	40-140	4.79	25	
Benzo(b)fluoranthene	5.45	0.10	mg/Kg wet	5.00		109	40-140	4.71	25	
Benzo(g,h,i)perylene	5.39	0.10	mg/Kg wet	5.00		108	40-140	4.11	25	
Benzo(k)fluoranthene	5.36	0.10	mg/Kg wet	5.00		107	40-140	4.93	25	
Chrysene	5.43	0.10	mg/Kg wet	5.00		109	40-140	4.99	25	
Dibenz(a,h)anthracene	5.33	0.10	mg/Kg wet	5.00		107	40-140	4.98	25	
Fluoranthene	5.27	0.10	mg/Kg wet	5.00		105	40-140	4.50	25	
Fluorene	5.14	0.10	mg/Kg wet	5.00		103	40-140	3.06	25	
Indeno(1,2,3-cd)pyrene	5.25	0.10	mg/Kg wet	5.00		105	40-140	4.83	25	
2-Methylnaphthalene	4.65	0.10	mg/Kg wet	5.00		93.0	40-140	3.99	25	
Naphthalene	4.30	0.10	mg/Kg wet	5.00		86.0	40-140	4.69	25	
Phenanthrene	5.21	0.10	mg/Kg wet	5.00		104	40-140	3.71	25	
Pyrene	5.43	0.10	mg/Kg wet	5.00		109	40-140	4.62	25	
n-Nonane	2.89	0.10	mg/Kg wet	5.00		57.9	30-140	11.1	25	
Naphthalene-aliphatic fraction	0.00		mg/Kg wet	5.00			0-5			
2-Methylnaphthalene-aliphatic fraction	0.00		mg/Kg wet	5.00			0-5			
Surrogate: Chlorooctadecane (COD)	*4.08*		mg/Kg wet	5.00		81.6	40-140			
Surrogate: o-Terphenyl (OTP)	*5.36*		mg/Kg wet	5.00		107	40-140			
Surrogate: 2-Bromonaphthalene	*4.93*		mg/Kg wet	5.00		98.6	40-140			
Surrogate: 2-Fluorobiphenyl	*4.96*		mg/Kg wet	5.00		99.3	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008206 - MA VPH										
Blank (B008206-BLK1)				Prepared & Analyzed: 12/09/09						
Unadjusted C5-C8 Aliphatics	ND	16	mg/Kg wet							
C5-C8 Aliphatics	ND	16	mg/Kg wet							
Unadjusted C9-C12 Aliphatics	ND	11	mg/Kg wet							
C9-C12 Aliphatics	ND	11	mg/Kg wet							
C9-C10 Aromatics	ND	11	mg/Kg wet							
Benzene	ND	0.053	mg/Kg wet							
Butylcyclohexane	ND	0.053	mg/Kg wet							
Decane	ND	0.053	mg/Kg wet							
Ethylbenzene	ND	0.053	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.053	mg/Kg wet							
2-Methylpentane	ND	0.053	mg/Kg wet							
Naphthalene	ND	0.53	mg/Kg wet							
Nonane	ND	0.053	mg/Kg wet							
Pentane	ND	0.053	mg/Kg wet							
Toluene	ND	0.053	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.053	mg/Kg wet							
2,2,4-Trimethylpentane	ND	0.053	mg/Kg wet							
m+p Xylene	ND	0.11	mg/Kg wet							
o-Xylene	ND	0.053	mg/Kg wet							
Surrogate: 2,5-Dibromotoluene (FID)	*3.37*		mg/Kg wet	3.33		101	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*3.19*		mg/Kg wet	3.33		95.6	70-130			
LCS (B008206-BS1)				Prepared & Analyzed: 12/09/09						
Benzene	6.76	0.057	mg/Kg wet	6.67		101	70-130			
Butylcyclohexane	6.33	0.057	mg/Kg wet	6.67		94.9	70-130			
Decane	8.62	0.057	mg/Kg wet	6.67		129	70-130			
Ethylbenzene	6.85	0.057	mg/Kg wet	6.67		103	70-130			
Methyl tert-Butyl Ether (MTBE)	6.51	0.057	mg/Kg wet	6.67		97.7	70-130			
2-Methylpentane	7.26	0.057	mg/Kg wet	6.67		109	70-130			
Naphthalene	6.15	0.57	mg/Kg wet	6.67		92.2	70-130			
Nonane	6.45	0.057	mg/Kg wet	6.67		96.7	30-130			
Pentane	6.91	0.057	mg/Kg wet	6.67		104	70-130			
Toluene	6.73	0.057	mg/Kg wet	6.67		101	70-130			
1,2,4-Trimethylbenzene	6.60	0.057	mg/Kg wet	6.67		99.1	70-130			
2,2,4-Trimethylpentane	5.94	0.057	mg/Kg wet	6.67		89.1	70-130			
m+p Xylene	13.4	0.11	mg/Kg wet	13.3		101	70-130			
o-Xylene	6.67	0.057	mg/Kg wet	6.67		100	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*2.91*		mg/Kg wet	3.33		87.4	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*2.76*		mg/Kg wet	3.33		82.8	70-130			
LCS Dup (B008206-BSD1)				Prepared & Analyzed: 12/09/09						
Benzene	6.69	0.057	mg/Kg wet	6.67		100	70-130	1.05	25	
Butylcyclohexane	6.26	0.057	mg/Kg wet	6.67		93.9	70-130	1.13	25	
Decane	8.62	0.057	mg/Kg wet	6.67		129	70-130	0.0670	25	
Ethylbenzene	6.76	0.057	mg/Kg wet	6.67		101	70-130	1.27	25	
Methyl tert-Butyl Ether (MTBE)	6.10	0.057	mg/Kg wet	6.67		91.6	70-130	6.50	25	
2-Methylpentane	7.14	0.057	mg/Kg wet	6.67		107	70-130	1.63	25	
Naphthalene	5.39	0.57	mg/Kg wet	6.67		80.9	70-130	13.1	25	
Nonane	6.27	0.057	mg/Kg wet	6.67		94.1	30-130	2.70	25	
Pentane	6.32	0.057	mg/Kg wet	6.67		94.8	70-130	8.99	25	
Toluene	6.65	0.057	mg/Kg wet	6.67		99.7	70-130	1.21	25	
1,2,4-Trimethylbenzene	6.51	0.057	mg/Kg wet	6.67		97.6	70-130	1.49	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008206 - MA VPH										
LCS Dup (B008206-BSD1)				Prepared & Analyzed: 12/09/09						
2,2,4-Trimethylpentane	5.98	0.057	mg/Kg wet	6.67		89.7	70-130	0.607	25	
m+p Xylene	13.3	0.11	mg/Kg wet	13.3		99.7	70-130	1.12	25	
o-Xylene	6.60	0.057	mg/Kg wet	6.67		99.0	70-130	1.05	25	
Surrogate: 2,5-Dibromotoluene (FID)	*2.74*		mg/Kg wet	3.33		82.1	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*2.47*		mg/Kg wet	3.33		74.2	70-130			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008251 - SW-846 3051										
Blank (B008251-BLK1)				Prepared & Analyzed: 12/10/09						
Arsenic	ND	2.4	mg/Kg wet							
Barium	ND	4.9	mg/Kg wet							
Cadmium	ND	0.24	mg/Kg wet							
Chromium	ND	0.49	mg/Kg wet							
Lead	ND	0.73	mg/Kg wet							
Selenium	ND	4.9	mg/Kg wet							
Silver	ND	0.49	mg/Kg wet							
LCS (B008251-BS1)				Prepared & Analyzed: 12/10/09						
Arsenic	167	5.0	mg/Kg wet	158		106	81.6-118.4			
Barium	355	10	mg/Kg wet	347		102	80.7-119.3			
Cadmium	187	0.50	mg/Kg wet	186		100	82.4-117.6			
Chromium	95.0	1.0	mg/Kg wet	89.2		107	78.8-120.7			
Lead	172	1.5	mg/Kg wet	171		100	79.1-120.3			
Selenium	147	10	mg/Kg wet	148		99.6	78.4-120.9			
Silver	67.9	1.0	mg/Kg wet	65.8		103	66.2-133.6			
LCS (B008251-BS2)				Prepared: 12/10/09 Analyzed: 12/11/09						
Lead	0.784	0.72	mg/Kg wet	0.724		108	79.1-120.3			
LCS Dup (B008251-BSD1)				Prepared & Analyzed: 12/10/09						
Arsenic	162	5.0	mg/Kg wet	158		103	81.6-118.4	2.84	30	
Barium	342	10	mg/Kg wet	348		98.3	80.7-119.3	3.81	30	
Cadmium	182	0.50	mg/Kg wet	187		97.3	82.4-117.6	2.58	30	
Chromium	87.5	1.0	mg/Kg wet	89.4		97.9	78.8-120.7	8.21	30	
Lead	166	1.5	mg/Kg wet	172		96.3	79.1-120.3	3.84	30	
Selenium	143	10	mg/Kg wet	148		97.0	78.4-120.9	2.46	30	
Silver	64.9	1.0	mg/Kg wet	66.0		98.4	66.2-133.6	4.51	30	
Batch B008255 - SW-846 7471A										
Blank (B008255-BLK1)				Prepared & Analyzed: 12/10/09						
Mercury	ND	0.025	mg/Kg wet							
LCS (B008255-BS1)				Prepared & Analyzed: 12/10/09						
Mercury	0.929	0.025	mg/Kg wet	1.01		91.8	66-132			
LCS Dup (B008255-BSD1)				Prepared & Analyzed: 12/10/09						
Mercury	0.887	0.025	mg/Kg wet	1.01		88.0	66-132	4.61	30	
Duplicate (B008255-DUP1)		**Source: 09L0267-02**		Prepared & Analyzed: 12/10/09						
Mercury	ND	0.022	mg/Kg dry		ND			NC	35	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008255 - SW-846 7471A										
Matrix Spike (B008255-MS1)		**Source: 09L0267-02**		Prepared & Analyzed: 12/10/09						
Mercury	0.425	0.021	mg/Kg dry	0.415	ND	102	75-125			
Batch B008256 - SW-846 7471A										
Blank (B008256-BLK1)				Prepared & Analyzed: 12/10/09						
Mercury	ND	0.025	mg/Kg							
LCS (B008256-BS1)				Prepared & Analyzed: 12/10/09						
Mercury	0.929	0.025	mg/Kg	1.01		91.8	66-132			
LCS Dup (B008256-BSD1)				Prepared & Analyzed: 12/10/09						
Mercury	0.887	0.025	mg/Kg	1.01		88.0	66-132	4.61	30	
Duplicate (B008256-DUP1)		**Source: 09L0267-02**		Prepared & Analyzed: 12/10/09						
Mercury	ND	0.020	mg/Kg		ND			NC	35	
Matrix Spike (B008256-MS1)		**Source: 09L0267-02**		Prepared & Analyzed: 12/10/09						
Mercury	0.398	0.019	mg/Kg	0.388	ND	102	75-125			
Batch B008279 - SW-846 3051										
Blank (B008279-BLK1)				Prepared & Analyzed: 12/10/09						
Arsenic	ND	2.4	mg/Kg							
Barium	ND	4.9	mg/Kg							
Cadmium	ND	0.24	mg/Kg							
Chromium	ND	0.49	mg/Kg							
Lead	ND	0.73	mg/Kg							
Selenium	ND	4.9	mg/Kg							
Silver	ND	0.49	mg/Kg							
LCS (B008279-BS1)				Prepared & Analyzed: 12/10/09						
Arsenic	167	5.0	mg/Kg	158		106	81.6-118.4			
Barium	355	10	mg/Kg	347		102	80.7-119.3			
Cadmium	187	0.50	mg/Kg	186		100	82.4-117.6			
Chromium	95.0	1.0	mg/Kg	89.2		107	78.8-120.7			
Lead	172	1.5	mg/Kg	171		100	79.1-120.3			
Selenium	147	10	mg/Kg	148		99.6	78.4-120.9			
Silver	67.9	1.0	mg/Kg	65.8		103	66.2-133.6			
LCS (B008279-BS2)				Prepared: 12/10/09 Analyzed: 12/11/09						
Lead	0.782	0.72	mg/Kg	0.724		108	79.1-120.3			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008279 - SW-846 3051										
LCS Dup (B008279-BSD1)				Prepared & Analyzed: 12/10/09						
Arsenic	162	5.0	mg/Kg	158		103	81.6-118.4	2.84	30	
Barium	342	10	mg/Kg	348		98.3	80.7-119.3	3.81	30	
Cadmium	182	0.50	mg/Kg	187		97.3	82.4-117.6	2.58	30	
Chromium	87.5	1.0	mg/Kg	89.4		97.9	78.8-120.7	8.21	30	
Lead	166	1.5	mg/Kg	172		96.3	79.1-120.3	3.84	30	
Selenium	143	10	mg/Kg	148		97.0	78.4-120.9	2.46	30	
Silver	64.9	1.0	mg/Kg	66.0		98.4	66.2-133.6	4.51	30	

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BREAKDOWN REPORT

Lab Sample ID: **S000218-PEM1** **Analyzed:** **12/11/2009**

Column Number: **1**

Analyte	% Breakdown
4,4'-DDT [1]	0.33
Endrin [1]	4.17

Column Number: **2**

Analyte	% Breakdown
4,4'-DDT [2]	0.47
Endrin [2]	9.21

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
PR-01	Sample preservative does not satisfy the method specifications.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
Z-01	Sample recieved unpreserved in an unsealed container for VOC analysis. Reported values will be biased on the low side.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-EPH-04-1.1 in Soil	
C9-C18 Aliphatics	CT,NC,WA
C19-C36 Aliphatics	CT,NC,WA
Unadjusted C11-C22 Aromatics	CT,NC,WA
C11-C22 Aromatics	CT,NC,WA
Acenaphthene	CT,NC,WA
Acenaphthylene	CT,NC,WA
Anthracene	CT,NC,WA
Benzo(a)anthracene	CT,NC,WA
Benzo(a)pyrene	CT,NC,WA
Benzo(b)fluoranthene	CT,NC,WA
Benzo(g,h,i)perylene	CT,NC,WA
Benzo(k)fluoranthene	CT,NC,WA
Chrysene	CT,NC,WA
Dibenz(a,h)anthracene	CT,NC,WA
Fluoranthene	CT,NC,WA
Fluorene	CT,NC,WA
Indeno(1,2,3-cd)pyrene	CT,NC,WA
2-Methylnaphthalene	CT,NC,WA
Naphthalene	CT,NC,WA
Phenanthrene	CT,NC,WA
Pyrene	CT,NC,WA
MADEP-VPH-04-1.1 in Soil	
Unadjusted C5-C8 Aliphatics	CT,NC,WA
C5-C8 Aliphatics	CT,NC,WA
Unadjusted C9-C12 Aliphatics	CT,NC,WA
C9-C12 Aliphatics	CT,NC,WA
C9-C10 Aromatics	CT,NC,WA
Benzene	CT,NC,WA
Ethylbenzene	CT,NC,WA
Methyl tert-Butyl Ether (MTBE)	CT,NC,WA
Naphthalene	CT,NC,WA
Toluene	CT,NC,WA
o-Xylene	CT,NC,WA
SW-846 6010B in Product/Solid	
Arsenic	CT,NH,NY
Barium	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY
Lead	CT,NH,NY
Selenium	CT,NH,NY
Silver	CT,NH,NY
SW-846 6010B in Soil	
Arsenic	CT,NH,NY
Barium	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010B in Soil	
Lead	CT,NH,NY,AIHA
Selenium	CT,NH,NY
Silver	CT,NH,NY
SW-846 7471A in Product/Solid	
Mercury	CT,NH,NY
SW-846 7471A in Soil	
Mercury	CT,NH,NY
SW-846 8081A in Soil	
Aldrin	CT,NH,NY
Aldrin [2C]	CT,NH,NY
alpha-BHC	CT,NH,NY
alpha-BHC [2C]	CT,NH,NY
beta-BHC	CT,NH,NY
beta-BHC [2C]	CT,NH,NY
delta-BHC	CT,NH,NY
delta-BHC [2C]	CT,NH,NY
gamma-BHC (Lindane)	CT,NH,NY
gamma-BHC (Lindane) [2C]	CT,NH,NY
Chlordane	CT,NH,NY
Chlordane [2C]	CT,NH,NY
4,4'-DDD	CT,NH,NY
4,4'-DDD [2C]	CT,NH,NY
4,4'-DDE	CT,NH,NY
4,4'-DDE [2C]	CT,NH,NY
4,4'-DDT	CT,NH,NY
4,4'-DDT [2C]	CT,NH,NY
Dieldrin	CT,NH,NY
Dieldrin [2C]	CT,NH,NY
Endosulfan I	CT,NH,NY
Endosulfan I [2C]	CT,NH,NY
Endosulfan II	CT,NH,NY
Endosulfan II [2C]	CT,NH,NY
Endosulfan Sulfate	CT,NH,NY
Endosulfan Sulfate [2C]	CT,NH,NY
Endrin	CT,NH,NY
Endrin [2C]	CT,NH,NY
Heptachlor	CT,NH,NY
Heptachlor [2C]	CT,NH,NY
Heptachlor Epoxide	CT,NH,NY
Heptachlor Epoxide [2C]	CT,NH,NY
Hexachlorobenzene	CT,NH,NY
Hexachlorobenzene [2C]	CT,NH,NY
Methoxychlor	CT,NH,NY
Methoxychlor [2C]	CT,NH,NY
SW-846 8082 in Soil	

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082 in Soil	
Aroclor-1016	CT,NH,NY
Aroclor-1016 [2C]	CT,NH,NY
Aroclor-1221	CT,NH,NY
Aroclor-1221 [2C]	CT,NH,NY
Aroclor-1232	CT,NH,NY
Aroclor-1232 [2C]	CT,NH,NY
Aroclor-1242	CT,NH,NY
Aroclor-1242 [2C]	CT,NH,NY
Aroclor-1248	CT,NH,NY
Aroclor-1248 [2C]	CT,NH,NY
Aroclor-1254	CT,NH,NY
Aroclor-1254 [2C]	CT,NH,NY
Aroclor-1260	CT,NH,NY
Aroclor-1260 [2C]	CT,NH,NY
SW-846 8260B in Soil	
Acetone	CT,NH,NY
Benzene	CT,NH,NY
Bromobenzene	NH,NY
Bromochloromethane	NH,NY
Bromodichloromethane	CT,NH,NY
Bromoform	CT,NH,NY
Bromomethane	CT,NH,NY
2-Butanone (MEK)	CT,NH,NY
n-Butylbenzene	CT,NH,NY
sec-Butylbenzene	CT,NH,NY
tert-Butylbenzene	CT,NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY
Chlorobenzene	CT,NH,NY
Chlorodibromomethane	CT,NH,NY
Chloroethane	CT,NH,NY
Chloroform	CT,NH,NY
Chloromethane	CT,NH,NY
2-Chlorotoluene	CT,NH,NY
4-Chlorotoluene	CT,NH,NY
Dibromomethane	NH,NY
1,2-Dichlorobenzene	CT,NH,NY
1,3-Dichlorobenzene	CT,NH,NY
1,4-Dichlorobenzene	CT,NH,NY
Dichlorodifluoromethane (Freon 12)	NY
1,1-Dichloroethane	CT,NH,NY
1,2-Dichloroethane	CT,NH,NY
1,1-Dichloroethylene	CT,NH,NY
cis-1,2-Dichloroethylene	CT,NH,NY
trans-1,2-Dichloroethylene	CT,NH,NY
1,2-Dichloropropane	CT,NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
1,3-Dichloropropane	NH,NY
2,2-Dichloropropane	NH,NY
1,1-Dichloropropene	NH,NY
cis-1,3-Dichloropropene	CT,NH,NY
trans-1,3-Dichloropropene	CT,NH,NY
Ethylbenzene	CT,NH,NY
Hexachlorobutadiene	NH,NY
2-Hexanone (MBK)	CT,NH,NY
Isopropylbenzene (Cumene)	CT,NH,NY
Methylene Chloride	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY
Styrene	CT,NH,NY
1,1,1,2-Tetrachloroethane	CT,NH,NY
1,1,2,2-Tetrachloroethane	CT,NH,NY
Tetrachloroethylene	CT,NH,NY
Toluene	CT,NH,NY
1,2,4-Trichlorobenzene	NH,NY
1,1,1-Trichloroethane	CT,NH,NY
1,1,2-Trichloroethane	CT,NH,NY
Trichloroethylene	CT,NH,NY
Trichlorofluoromethane (Freon 11)	CT,NH,NY
1,2,3-Trichloropropane	NH,NY
1,2,4-Trimethylbenzene	CT,NH,NY
1,3,5-Trimethylbenzene	CT,NH,NY
Vinyl Chloride	CT,NH,NY
m+p Xylene	CT,NH,NY
o-Xylene	CT,NH,NY
SW-846 8270C in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270C in Soil	
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
1,2-Diphenylhydrazine (as Azobenzene)	NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2010
RI	Rhode Island Department of Health	LAO00112	12/30/2009
NC	North Carolina Div. of Water Quality	652	12/31/2009
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	03/23/2010

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CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: TRC
Address: 650 Suffolk Street
Lowell, MA 01864
Attention: David Sullivan
Project Location: New Bedford, MA
Sampled By: K. Grim

Telephone: (978) 970-5600
Project #
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: DSullivan@-tnsolutions
Format: ☒ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

State Form Required?
☐ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 09L0267	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	Total VOCs	Total SVOCs	VPH	EPH	Pesticides	PCBs	RCRA metals 8	Herbicides	# of containers	**Preservation	~Cont. Code
	Sample_1	-01	12/8	1200			S		X	X	X	X	X	X	X	X			
	Sample_2	-02	12/8	1200			S		X	X	X	X	X	X	X	X			

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

Client Comments:

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

Relinquished by: (signature)	Date/Time: 12/9/09 1300
Received by: (signature)	Date/Time: 12-9-09 1303
Relinquished by: (signature)	Date/Time: 12-9-09 1810
Received by: (signature) 6°C	Date/Time: 12/9/09 1810

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? MCP
Data Enhancement Project/RCP? ☐ Y ☐ N
Special Requirements or DL's: MCP
Method 1 S-1

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

*/ TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: TRC RECEIVED BY: JDP DATE: 12/15/09

1) Was the chain(s) of custody relinquished and signed? Yes No

2) Does the chain agree with the samples? Yes No

If not, explain:

3) Are all the samples in good condition? Yes No

If not, explain:

4) How were the samples received:

On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☐

Were the samples received in Temperature Compliance of (2-6°C)? Yes No

Temperature °C by Temp blank ____ Temperature °C by Temp gun 6°C

5) Are there Dissolved samples for the lab to filter? Yes No

Who was notified ____ Date ____ Time ____

6) Are there any samples "On Hold"? Yes No Stored where: ____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes No

Who was notified ____ Date ____ Time ____

8) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved

Client Signature: ____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other Bucket	2

Laboratory Comments:

40 mL vials: # HCl ____ # Methanol ____

Bisulfate ____ # DI Water ____ Time and Date Frozen: ____

Thiosulfate ____ Unpreserved ____

Do all samples have the proper pH: Yes No N/A

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Con-Test Analytical Laboratory	Project #:	09L0267
Project Location:	New Bedford, MA	MADEP RTN1[1]:	

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

09L0267-01 thru 09L0267-02

Sample Matrices: Soil

MCP SW-846 Methods Used					
	8260B (X)	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C (X)	8081A (X)	VPH (X)	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 (X)	8021B ( )	EPH (X)	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M -- SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S -- SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☑ Yes	☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☑ Yes	☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
D	VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☑ Yes	☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes	☑ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☑ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:	Christopher J. Hall	Position:	Project Chemist Supervisor
Printed Name:	Christopher J. Hall	Date:	12/11/09

Gilson Aspec XL4 Fractionation Check

Silica Gel Lot:	***S212-49***	Vendor:	**PHENOMENEX**
Frac Check Lot:	110309 PJG	Amount of DCM Collected:	5000 µL
Hexane Lot:	49190	Amount of Hexane Collected:	1800 µL
DCM Lot:	DA121		
Acetone Lot:	49170	Data File:	110409 D1104015/D1104016

Compound	Conc. (ppm)	Rec.	% Rec.	Limits
Naphthalene	50	34.608	69%	40-140
2-Methylnaphthalene	50	36.758	74%	40-140
Acenaphthalene	50	39.091	78%	40-140
Acenaphthene	50	37.140	74%	40-140
Fluorene	50	40.427	81%	40-140
Phenanthrene	50	42.167	84%	40-140
Anthracene	50	45.050	90%	40-140
o-Terphenyl (surr.)	50	41.987	84%	40-140
Fluoranthene	50	45.589	91%	40-140
Pyrene	50	47.349	95%	40-140
Benzo(a)anthracene	50	47.330	95%	40-140
Chrysene	50	48.575	97%	40-140
Benzo(b)fluoranthene	50	48.579	97%	40-140
Benzo(k)fluoranthene	50	47.442	95%	40-140
Benzo(a)pyrene	50	46.136	92%	40-140
Indeno(123cd)pyrene	50	45.379	91%	40-140
Dibenzo(ah)anthracene	50	46.058	92%	40-140
Benzo(ghi)perylene	50	46.349	93%	40-140
C9	50	26.223	52%	30-140
C10	50	31.746	63%	40-140
C12	50	34.423	69%	40-140
C14	50	39.479	79%	40-140
C16	50	43.992	88%	40-140
C18	50	47.810	96%	40-140
C19	50	48.635	97%	40-140
C20	50	50.586	101%	40-140
1-Chloro-octadecane (surr.)	50	38.510	77%	40-140
C22	50	51.286	103%	40-140
C24	50	51.409	103%	40-140
C26	50	53.537	107%	40-140
C28	50	52.366	105%	40-140
C30	50	52.300	105%	40-140
C36	50	51.587	103%	40-140
Fractionation Surrogates				
2-Fluorobiphenyl	50	48.999	98%	40-140
2-Bromonaphthalene	50	46.149	92%	40-140
Aliphatic bleed thru			% (<5%)	
Naphthalene	0		**0.000**	
2-Methylnaphthalene	0		**0.000**	

ANALYTICAL REPORT

Lab Number:	L1007146
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER ROAD
Project Number:	169909
Report Date:	05/21/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1007146-01	PICO-BF	NEW BEDFORD, MA	05/13/10 10:30
L1007146-02	MEDEROS-SF	NEW BEDFORD, MA	05/13/10 11:00
L1007146-03	TRIP BLANK	NEW BEDFORD, MA	05/13/10 00:00

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007146
Project Number:	169909	**Report Date:**	05/21/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	YES
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 246 RIVER ROAD **Lab Number:** L1007146
Project Number: 169909 **Report Date:** 05/21/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Metals.

Volatile Organics

In reference to question G:

Carbon disulfide and Tetrahydrofuran did not achieve the requested CAM reporting limits.

In reference to question H:

The initial calibration, associated with L1007146-01, -02, and -03, did not meet the method required minimum response factor for Bromomethane and 1,4-Dioxane and utilized a quadratic fit for Trichlorofluoromethane.

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007146
Project Number:	169909	**Report Date:**	05/21/10

Case Narrative (continued)

The continuing calibration standard, associated with L1007146-01, -02, and -03, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Semivolatile Organics

In reference to question G:

Acetophenone did not achieve the requested CAM reporting limits.

In reference to question H:

The WG413110-2 LCS recoveries, associated with L1007146-01 and -02, are below the individual acceptance criteria for 3,3'-Dichlorobenzidine (39%) and Aniline (36%), but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for these compounds.

VPH

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

EPH

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

PCB

In reference to question H:

The WG413031-2/-3 LCS/LCSD RPDs, associated with L1007146-01 and -02, are above the acceptance criteria for Aroclor 1016 (48%) and Aroclor 1260 (46%); however, the individual LCS/LCSD recoveries are within method limits. The results of the associated samples are reported.

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007146
Project Number:	169909	**Report Date:**	05/21/10

Case Narrative (continued)

Pesticides

A copy of the Degradation Standards for 4,4'-DDT and Endrin breakdown products is included as an addendum.

In reference to question G:

Heptachlor epoxide, 4,4'-DDT and Chlordane did not achieve the requested CAM reporting limits.

Herbicides

In reference to question H:

The WG413430-2/-3 LCS/LCSD recoveries, associated with L1007146-01 and -02, are below the acceptance criteria for Dinoseb (2%/2%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound. In addition, the associated LCS/LCSD RPD is above the acceptance criteria for Dinoseb (33%).

Metals

LCS/LCSD SRM Lot #: ERA D066-540

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative

Date: 05/21/10

ORGANICS

VOLATILES

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-01	Date Collected:	05/13/10 10:30
Client ID:	PICO-BF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	05/16/10 11:46		
Analyst:	BN		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.6	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.76	--	1
1,2-Dichloropropane	ND		ug/kg	2.7	--	1
Dibromochloromethane	ND		ug/kg	0.76	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.76	--	1
Chlorobenzene	ND		ug/kg	0.76	--	1
Trichlorofluoromethane	ND		ug/kg	3.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.76	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.76	--	1
Bromodichloromethane	ND		ug/kg	0.76	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.76	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.76	--	1
1,1-Dichloropropene	ND		ug/kg	3.8	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.76	--	1
Benzene	ND		ug/kg	0.76	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	0.76	--	1
Chloromethane	ND		ug/kg	3.8	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	1.5	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.76	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
Trichloroethene	ND		ug/kg	0.76	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.8	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID: L1007146-01 Date Collected: 05/13/10 10:30

Client ID: PICO-BF Date Received: 05/13/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	3.8	--	1
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	1.5	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.76	--	1
Dibromomethane	ND		ug/kg	7.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	7.6	--	1
Styrene	ND		ug/kg	1.5	--	1
Dichlorodifluoromethane	ND		ug/kg	7.6	--	1
Acetone	ND		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	38	--	1
2-Butanone	ND		ug/kg	7.6	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.6	--	1
2-Hexanone	ND		ug/kg	7.6	--	1
Bromochloromethane	ND		ug/kg	3.8	--	1
Tetrahydrofuran	ND		ug/kg	15	--	1
2,2-Dichloropropane	ND		ug/kg	3.8	--	1
1,2-Dibromoethane	ND		ug/kg	3.0	--	1
1,3-Dichloropropane	ND		ug/kg	3.8	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.76	--	1
Bromobenzene	ND		ug/kg	3.8	--	1
n-Butylbenzene	ND		ug/kg	0.76	--	1
sec-Butylbenzene	ND		ug/kg	0.76	--	1
tert-Butylbenzene	ND		ug/kg	3.8	--	1
o-Chlorotoluene	ND		ug/kg	3.8	--	1
p-Chlorotoluene	ND		ug/kg	3.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	--	1
Hexachlorobutadiene	ND		ug/kg	3.8	--	1
Isopropylbenzene	ND		ug/kg	0.76	--	1
p-Isopropyltoluene	ND		ug/kg	0.76	--	1
Naphthalene	ND		ug/kg	3.8	--	1
n-Propylbenzene	ND		ug/kg	0.76	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.8	--	1
Ethyl ether	ND		ug/kg	3.8	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-01	Date Collected:	05/13/10 10:30
Client ID:	PICO-BF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	3.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.0	--	1
1,4-Dioxane	ND		ug/kg	380	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-02	Date Collected:	05/13/10 11:00
Client ID:	MEDEROS-SF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	05/16/10 12:13		
Analyst:	BN		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.2	--	1
1,1-Dichloroethane	ND		ug/kg	1.4	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.92	--	1
1,2-Dichloropropane	ND		ug/kg	3.2	--	1
Dibromochloromethane	ND		ug/kg	0.92	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	--	1
Tetrachloroethene	ND		ug/kg	0.92	--	1
Chlorobenzene	ND		ug/kg	0.92	--	1
Trichlorofluoromethane	ND		ug/kg	4.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.92	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.92	--	1
Bromodichloromethane	ND		ug/kg	0.92	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.92	--	1
1,1-Dichloropropene	ND		ug/kg	4.6	--	1
Bromoform	ND		ug/kg	3.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.92	--	1
Benzene	ND		ug/kg	0.92	--	1
Toluene	ND		ug/kg	1.4	--	1
Ethylbenzene	ND		ug/kg	0.92	--	1
Chloromethane	ND		ug/kg	4.6	--	1
Bromomethane	ND		ug/kg	1.8	--	1
Vinyl chloride	ND		ug/kg	1.8	--	1
Chloroethane	ND		ug/kg	1.8	--	1
1,1-Dichloroethene	ND		ug/kg	0.92	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1
Trichloroethene	ND		ug/kg	0.92	--	1
1,2-Dichlorobenzene	ND		ug/kg	4.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID: L1007146-02 Date Collected: 05/13/10 11:00

Client ID: MEDEROS-SF Date Received: 05/13/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	4.6	--	1
Methyl tert butyl ether	ND		ug/kg	1.8	--	1
p/m-Xylene	ND		ug/kg	1.8	--	1
o-Xylene	ND		ug/kg	1.8	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	--	1
Dibromomethane	ND		ug/kg	9.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	9.2	--	1
Styrene	ND		ug/kg	1.8	--	1
Dichlorodifluoromethane	ND		ug/kg	9.2	--	1
Acetone	ND		ug/kg	33	--	1
Carbon disulfide	ND		ug/kg	46	--	1
2-Butanone	ND		ug/kg	9.2	--	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	--	1
2-Hexanone	ND		ug/kg	9.2	--	1
Bromochloromethane	ND		ug/kg	4.6	--	1
Tetrahydrofuran	ND		ug/kg	18	--	1
2,2-Dichloropropane	ND		ug/kg	4.6	--	1
1,2-Dibromoethane	ND		ug/kg	3.7	--	1
1,3-Dichloropropane	ND		ug/kg	4.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.92	--	1
Bromobenzene	ND		ug/kg	4.6	--	1
n-Butylbenzene	ND		ug/kg	0.92	--	1
sec-Butylbenzene	ND		ug/kg	0.92	--	1
tert-Butylbenzene	ND		ug/kg	4.6	--	1
o-Chlorotoluene	ND		ug/kg	4.6	--	1
p-Chlorotoluene	ND		ug/kg	4.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	--	1
Hexachlorobutadiene	ND		ug/kg	4.6	--	1
Isopropylbenzene	ND		ug/kg	0.92	--	1
p-Isopropyltoluene	ND		ug/kg	0.92	--	1
Naphthalene	ND		ug/kg	4.6	--	1
n-Propylbenzene	ND		ug/kg	0.92	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	--	1
Ethyl ether	ND		ug/kg	4.6	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-02	Date Collected:	05/13/10 11:00
Client ID:	MEDEROS-SF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	3.7	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.7	--	1
1,4-Dioxane	ND		ug/kg	460	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	101		70-130

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-03	Date Collected:	05/13/10 00:00
Client ID:	TRIP BLANK	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	05/16/10 12:41		
Analyst:	BN		
Percent Solids:	Results reported on an 'AS RECEIVED' basis.		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
Trichlorofluoromethane	ND		ug/kg	5.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	--	1
Bromodichloromethane	ND		ug/kg	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
1,1-Dichloropropene	ND		ug/kg	5.0	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Benzene	ND		ug/kg	1.0	--	1
Toluene	ND		ug/kg	1.5	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	5.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	2.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
Trichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID: L1007146-03 Date Collected: 05/13/10 00:00

Client ID: TRIP BLANK Date Received: 05/13/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	2.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	10	--	1
1,2,3-Trichloropropane	ND		ug/kg	10	--	1
Styrene	ND		ug/kg	2.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	36	--	1
Carbon disulfide	ND		ug/kg	50	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	5.0	--	1
Tetrahydrofuran	ND		ug/kg	20	--	1
2,2-Dichloropropane	ND		ug/kg	5.0	--	1
1,2-Dibromoethane	ND		ug/kg	4.0	--	1
1,3-Dichloropropane	ND		ug/kg	5.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Bromobenzene	ND		ug/kg	5.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	5.0	--	1
o-Chlorotoluene	ND		ug/kg	5.0	--	1
p-Chlorotoluene	ND		ug/kg	5.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--	1
Hexachlorobutadiene	ND		ug/kg	5.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	5.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--	1
Ethyl ether	ND		ug/kg	5.0	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-03	Date Collected:	05/13/10 00:00
Client ID:	TRIP BLANK	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	4.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--	1
1,4-Dioxane	ND		ug/kg	500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/16/10 09:25
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-03 Batch: WG413232-3					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	5.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	5.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	5.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--
1,2-Dichlorobenzene	ND		ug/kg	5.0	--
1,3-Dichlorobenzene	ND		ug/kg	5.0	--

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/16/10 09:25
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-03 Batch: WG413232-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	10	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	50	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	5.0	--
Tetrahydrofuran	ND		ug/kg	20	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	5.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	5.0	--
o-Chlorotoluene	ND		ug/kg	5.0	--
p-Chlorotoluene	ND		ug/kg	5.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--
Hexachlorobutadiene	ND		ug/kg	5.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/16/10 09:25
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-03 Batch: WG413232-3					
Naphthalene	ND		ug/kg	5.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--
Ethyl ether	ND		ug/kg	5.0	--
Isopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG413232-1 WG413232-2								
Methylene chloride	92		94		70-130	2		20
1,1-Dichloroethane	97		100		70-130	3		20
Chloroform	97		100		70-130	3		20
Carbon tetrachloride	87		89		70-130	2		20
1,2-Dichloropropane	98		99		70-130	1		20
Dibromochloromethane	98		98		70-130	0		20
1,1,2-Trichloroethane	99		100		70-130	1		20
Tetrachloroethene	101		102		70-130	1		20
Chlorobenzene	98		99		70-130	1		20
Trichlorofluoromethane	92		96		70-130	4		20
1,2-Dichloroethane	98		100		70-130	2		20
1,1,1-Trichloroethane	101		102		70-130	1		20
Bromodichloromethane	102		104		70-130	2		20
trans-1,3-Dichloropropene	105		104		70-130	1		20
cis-1,3-Dichloropropene	93		94		70-130	1		20
1,1-Dichloropropene	104		105		70-130	1		20
Bromoform	103		103		70-130	0		20
1,1,2,2-Tetrachloroethane	109		107		70-130	2		20
Benzene	98		100		70-130	2		20
Toluene	92		94		70-130	2		20
Ethylbenzene	101		101		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG413232-1 WG413232-2								
Chloromethane	87		91		70-130	4		20
Bromomethane	89		96		70-130	8		20
Vinyl chloride	86		90		70-130	5		20
Chloroethane	127		126		70-130	1		20
1,1-Dichloroethene	105		109		70-130	4		20
trans-1,2-Dichloroethene	102		103		70-130	1		20
Trichloroethene	96		99		70-130	3		20
1,2-Dichlorobenzene	106		104		70-130	2		20
1,3-Dichlorobenzene	105		104		70-130	1		20
1,4-Dichlorobenzene	106		104		70-130	2		20
Methyl tert butyl ether	80		81		70-130	1		20
p/m-Xylene	103		103		70-130	0		20
o-Xylene	97		98		70-130	1		20
cis-1,2-Dichloroethene	104		104		70-130	0		20
Dibromomethane	97		98		70-130	1		20
1,2,3-Trichloropropane	102		101		70-130	1		20
Styrene	96		96		70-130	0		20
Dichlorodifluoromethane	84		88		70-130	5		20
Acetone	93		96		70-130	3		20
Carbon disulfide	77		79		70-130	3		20
2-Butanone	107		108		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG413232-1 WG413232-2								
4-Methyl-2-pentanone	111		111		70-130	0		20
2-Hexanone	110		109		70-130	1		20
Bromochloromethane	99		100		70-130	1		20
Tetrahydrofuran	86		88		70-130	2		20
2,2-Dichloropropane	105		107		70-130	2		20
1,2-Dibromoethane	100		99		70-130	1		20
1,3-Dichloropropane	98		99		70-130	1		20
1,1,1,2-Tetrachloroethane	103		102		70-130	1		20
Bromobenzene	104		103		70-130	1		20
n-Butylbenzene	108		106		70-130	2		20
sec-Butylbenzene	105		104		70-130	1		20
tert-Butylbenzene	102		102		70-130	0		20
o-Chlorotoluene	101		100		70-130	1		20
p-Chlorotoluene	106		105		70-130	1		20
1,2-Dibromo-3-chloropropane	112		108		70-130	4		20
Hexachlorobutadiene	104		103		70-130	1		20
Isopropylbenzene	102		102		70-130	0		20
p-Isopropyltoluene	107		105		70-130	2		20
Naphthalene	104		103		70-130	1		20
n-Propylbenzene	102		102		70-130	0		20
1,2,3-Trichlorobenzene	105		104		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG413232-1 WG413232-2								
1,2,4-Trichlorobenzene	110		108		70-130	2		20
1,3,5-Trimethylbenzene	103		102		70-130	1		20
1,2,4-Trimethylbenzene	103		103		70-130	0		20
Ethyl ether	77		79		70-130	3		20
Isopropyl Ether	76		78		70-130	3		20
Ethyl-Tert-Butyl-Ether	80		82		70-130	2		20
Tertiary-Amyl Methyl Ether	84		85		70-130	1		20
1,4-Dioxane	99		103		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		99		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	99		101		70-130

SEMIVOLATILES

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-01	Date Collected:	05/13/10 10:30
Client ID:	PICO-BF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	05/14/10 19:18
Analytical Date:	05/17/10 20:16		
Analyst:	PS		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	340	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	340	--	1
Hexachlorobenzene	ND		ug/kg	340	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	340	--	1
2-Chloronaphthalene	ND		ug/kg	340	--	1
1,2-Dichlorobenzene	ND		ug/kg	340	--	1
1,3-Dichlorobenzene	ND		ug/kg	340	--	1
1,4-Dichlorobenzene	ND		ug/kg	340	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	680	--	1
2,4-Dinitrotoluene	ND		ug/kg	340	--	1
2,6-Dinitrotoluene	ND		ug/kg	340	--	1
Azobenzene	ND		ug/kg	340	--	1
Fluoranthene	ND		ug/kg	340	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	340	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	340	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	340	--	1
Hexachlorobutadiene	ND		ug/kg	680	--	1
Hexachloroethane	ND		ug/kg	340	--	1
Isophorone	ND		ug/kg	340	--	1
Naphthalene	ND		ug/kg	340	--	1
Nitrobenzene	ND		ug/kg	340	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	680	--	1
Butyl benzyl phthalate	ND		ug/kg	340	--	1
Di-n-butylphthalate	ND		ug/kg	340	--	1
Di-n-octylphthalate	ND		ug/kg	340	--	1
Diethyl phthalate	ND		ug/kg	340	--	1
Dimethyl phthalate	ND		ug/kg	340	--	1
Benzo(a)anthracene	ND		ug/kg	340	--	1
Benzo(a)pyrene	ND		ug/kg	340	--	1
Benzo(b)fluoranthene	ND		ug/kg	340	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-01	Date Collected:	05/13/10 10:30
Client ID:	PICO-BF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	ND		ug/kg	340	--	1
Chrysene	ND		ug/kg	340	--	1
Acenaphthylene	ND		ug/kg	340	--	1
Anthracene	ND		ug/kg	340	--	1
Benzo(ghi)perylene	ND		ug/kg	340	--	1
Fluorene	ND		ug/kg	340	--	1
Phenanthrene	ND		ug/kg	340	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	340	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	340	--	1
Pyrene	ND		ug/kg	340	--	1
Aniline	ND		ug/kg	680	--	1
4-Chloroaniline	ND		ug/kg	340	--	1
Dibenzofuran	ND		ug/kg	340	--	1
2-Methylnaphthalene	ND		ug/kg	340	--	1
Acetophenone	ND		ug/kg	1400	--	1
2,4,6-Trichlorophenol	ND		ug/kg	340	--	1
2-Chlorophenol	ND		ug/kg	410	--	1
2,4-Dichlorophenol	ND		ug/kg	680	--	1
2,4-Dimethylphenol	ND		ug/kg	340	--	1
2-Nitrophenol	ND		ug/kg	1400	--	1
4-Nitrophenol	ND		ug/kg	680	--	1
2,4-Dinitrophenol	ND		ug/kg	1400	--	1
Pentachlorophenol	ND		ug/kg	1400	--	1
Phenol	ND		ug/kg	480	--	1
2-Methylphenol	ND		ug/kg	410	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	410	--	1
2,4,5-Trichlorophenol	ND		ug/kg	340	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		30-130
Phenol-d6	77		30-130
Nitrobenzene-d5	75		30-130
2-Fluorobiphenyl	73		30-130
2,4,6-Tribromophenol	74		30-130
4-Terphenyl-d14	82		30-130

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-02	Date Collected:	05/13/10 11:00
Client ID:	MEDEROS-SF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	05/14/10 19:18
Analytical Date:	05/17/10 20:41		
Analyst:	PS		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	340	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	340	--	1
Hexachlorobenzene	ND		ug/kg	340	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	340	--	1
2-Chloronaphthalene	ND		ug/kg	340	--	1
1,2-Dichlorobenzene	ND		ug/kg	340	--	1
1,3-Dichlorobenzene	ND		ug/kg	340	--	1
1,4-Dichlorobenzene	ND		ug/kg	340	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	670	--	1
2,4-Dinitrotoluene	ND		ug/kg	340	--	1
2,6-Dinitrotoluene	ND		ug/kg	340	--	1
Azobenzene	ND		ug/kg	340	--	1
Fluoranthene	460		ug/kg	340	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	340	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	340	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	340	--	1
Hexachlorobutadiene	ND		ug/kg	670	--	1
Hexachloroethane	ND		ug/kg	340	--	1
Isophorone	ND		ug/kg	340	--	1
Naphthalene	ND		ug/kg	340	--	1
Nitrobenzene	ND		ug/kg	340	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670	--	1
Butyl benzyl phthalate	ND		ug/kg	340	--	1
Di-n-butylphthalate	ND		ug/kg	340	--	1
Di-n-octylphthalate	ND		ug/kg	340	--	1
Diethyl phthalate	ND		ug/kg	340	--	1
Dimethyl phthalate	ND		ug/kg	340	--	1
Benzo(a)anthracene	ND		ug/kg	340	--	1
Benzo(a)pyrene	ND		ug/kg	340	--	1
Benzo(b)fluoranthene	ND		ug/kg	340	--	1

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-02	Date Collected:	05/13/10 11:00
Client ID:	MEDEROS-SF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	ND		ug/kg	340	--	1
Chrysene	ND		ug/kg	340	--	1
Acenaphthylene	ND		ug/kg	340	--	1
Anthracene	ND		ug/kg	340	--	1
Benzo(ghi)perylene	ND		ug/kg	340	--	1
Fluorene	ND		ug/kg	340	--	1
Phenanthrene	ND		ug/kg	340	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	340	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	340	--	1
Pyrene	400		ug/kg	340	--	1
Aniline	ND		ug/kg	670	--	1
4-Chloroaniline	ND		ug/kg	340	--	1
Dibenzofuran	ND		ug/kg	340	--	1
2-Methylnaphthalene	ND		ug/kg	340	--	1
Acetophenone	ND		ug/kg	1300	--	1
2,4,6-Trichlorophenol	ND		ug/kg	340	--	1
2-Chlorophenol	ND		ug/kg	400	--	1
2,4-Dichlorophenol	ND		ug/kg	670	--	1
2,4-Dimethylphenol	ND		ug/kg	340	--	1
2-Nitrophenol	ND		ug/kg	1300	--	1
4-Nitrophenol	ND		ug/kg	670	--	1
2,4-Dinitrophenol	ND		ug/kg	1300	--	1
Pentachlorophenol	ND		ug/kg	1300	--	1
Phenol	ND		ug/kg	470	--	1
2-Methylphenol	ND		ug/kg	400	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	400	--	1
2,4,5-Trichlorophenol	ND		ug/kg	340	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		30-130
Phenol-d6	67		30-130
Nitrobenzene-d5	61		30-130
2-Fluorobiphenyl	64		30-130
2,4,6-Tribromophenol	72		30-130
4-Terphenyl-d14	79		30-130

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 05/17/10 10:38
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/14/10 16:20

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG413110-1					
Acenaphthene	ND		ug/kg	330	--
1,2,4-Trichlorobenzene	ND		ug/kg	330	--
Hexachlorobenzene	ND		ug/kg	330	--
Bis(2-chloroethyl)ether	ND		ug/kg	330	--
2-Chloronaphthalene	ND		ug/kg	330	--
1,2-Dichlorobenzene	ND		ug/kg	330	--
1,3-Dichlorobenzene	ND		ug/kg	330	--
1,4-Dichlorobenzene	ND		ug/kg	330	--
3,3'-Dichlorobenzidine	ND		ug/kg	660	--
2,4-Dinitrotoluene	ND		ug/kg	330	--
2,6-Dinitrotoluene	ND		ug/kg	330	--
Azobenzene	ND		ug/kg	330	--
Fluoranthene	ND		ug/kg	330	--
4-Bromophenyl phenyl ether	ND		ug/kg	330	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	330	--
Bis(2-chloroethoxy)methane	ND		ug/kg	330	--
Hexachlorobutadiene	ND		ug/kg	660	--
Hexachloroethane	ND		ug/kg	330	--
Isophorone	ND		ug/kg	330	--
Naphthalene	ND		ug/kg	330	--
Nitrobenzene	ND		ug/kg	330	--
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	660	--
Butyl benzyl phthalate	ND		ug/kg	330	--
Di-n-butylphthalate	ND		ug/kg	330	--
Di-n-octylphthalate	ND		ug/kg	330	--
Diethyl phthalate	ND		ug/kg	330	--
Dimethyl phthalate	ND		ug/kg	330	--
Benzo(a)anthracene	ND		ug/kg	330	--
Benzo(a)pyrene	ND		ug/kg	330	--
Benzo(b)fluoranthene	ND		ug/kg	330	--
Benzo(k)fluoranthene	ND		ug/kg	330	--

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 05/17/10 10:38
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/14/10 16:20

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG413110-1					
Chrysene	ND		ug/kg	330	--
Acenaphthylene	ND		ug/kg	330	--
Anthracene	ND		ug/kg	330	--
Benzo(ghi)perylene	ND		ug/kg	330	--
Fluorene	ND		ug/kg	330	--
Phenanthrene	ND		ug/kg	330	--
Dibenzo(a,h)anthracene	ND		ug/kg	330	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	330	--
Pyrene	ND		ug/kg	330	--
Aniline	ND		ug/kg	660	--
4-Chloroaniline	ND		ug/kg	330	--
Dibenzofuran	ND		ug/kg	330	--
2-Methylnaphthalene	ND		ug/kg	330	--
Acetophenone	ND		ug/kg	1300	--
2,4,6-Trichlorophenol	ND		ug/kg	330	--
2-Chlorophenol	ND		ug/kg	400	--
2,4-Dichlorophenol	ND		ug/kg	660	--
2,4-Dimethylphenol	ND		ug/kg	330	--
2-Nitrophenol	ND		ug/kg	1300	--
4-Nitrophenol	ND		ug/kg	660	--
2,4-Dinitrophenol	ND		ug/kg	1300	--
Pentachlorophenol	ND		ug/kg	1300	--
Phenol	ND		ug/kg	470	--
2-Methylphenol	ND		ug/kg	400	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	400	--
2,4,5-Trichlorophenol	ND		ug/kg	330	--

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 05/17/10 10:38
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 05/14/10 16:20

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG413110-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		30-130
Phenol-d6	84		30-130
Nitrobenzene-d5	82		30-130
2-Fluorobiphenyl	79		30-130
2,4,6-Tribromophenol	73		30-130
4-Terphenyl-d14	89		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG413110-2 WG413110-3								
Acenaphthene	73		74		40-140	1		30
1,2,4-Trichlorobenzene	71		70		40-140	1		30
Hexachlorobenzene	72		74		40-140	3		30
Bis(2-chloroethyl)ether	70		66		40-140	6		30
2-Chloronaphthalene	89		88		40-140	1		30
1,2-Dichlorobenzene	69		69		40-140	0		30
1,3-Dichlorobenzene	72		67		40-140	7		30
1,4-Dichlorobenzene	69		66		40-140	4		30
3,3'-Dichlorobenzidine	**39**	Q	43		40-140	10		30
2,4-Dinitrotoluene	82		82		40-140	0		30
2,6-Dinitrotoluene	76		72		40-140	5		30
Azobenzene	82		82		40-140	0		30
Fluoranthene	79		81		40-140	3		30
4-Bromophenyl phenyl ether	75		75		40-140	0		30
Bis(2-chloroisopropyl)ether	75		70		40-140	7		30
Bis(2-chloroethoxy)methane	76		66		40-140	14		30
Hexachlorobutadiene	72		73		40-140	1		30
Hexachloroethane	68		66		40-140	3		30
Isophorone	69		69		40-140	0		30
Naphthalene	77		74		40-140	4		30
Nitrobenzene	72		74		40-140	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG413110-2 WG413110-3								
Bis(2-Ethylhexyl)phthalate	80		80		40-140	0		30
Butyl benzyl phthalate	77		77		40-140	0		30
Di-n-butylphthalate	79		82		40-140	4		30
Di-n-octylphthalate	81		83		40-140	2		30
Diethyl phthalate	75		80		40-140	6		30
Dimethyl phthalate	76		73		40-140	4		30
Benzo(a)anthracene	78		79		40-140	1		30
Benzo(a)pyrene	71		72		40-140	1		30
Benzo(b)fluoranthene	80		84		40-140	5		30
Benzo(k)fluoranthene	83		82		40-140	1		30
Chrysene	78		76		40-140	3		30
Acenaphthylene	75		76		40-140	1		30
Anthracene	74		79		40-140	7		30
Benzo(ghi)perylene	78		76		40-140	3		30
Fluorene	75		80		40-140	6		30
Phenanthrene	74		75		40-140	1		30
Dibenzo(a,h)anthracene	77		81		40-140	5		30
Indeno(1,2,3-cd)Pyrene	76		80		40-140	5		30
Pyrene	75		78		40-140	4		30
Aniline	**36**	Q	43		40-140	18		30
4-Chloroaniline	47		52		40-140	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG413110-2 WG413110-3								
Dibenzofuran	78		79		40-140	1		30
2-Methylnaphthalene	79		79		40-140	0		30
Acetophenone	82		76		40-140	8		30
2,4,6-Trichlorophenol	77		73		30-130	5		30
2-Chlorophenol	75		71		30-130	5		30
2,4-Dichlorophenol	79		82		30-130	4		30
2,4-Dimethylphenol	67		62		30-130	8		30
2-Nitrophenol	69		68		30-130	1		30
4-Nitrophenol	89		90		30-130	1		30
2,4-Dinitrophenol	38		41		30-130	8		30
Pentachlorophenol	44		50		30-130	13		30
Phenol	73		70		30-130	4		30
2-Methylphenol	74		66		30-130	11		30
3-Methylphenol/4-Methylphenol	78		72		30-130	8		30
2,4,5-Trichlorophenol	80		74		30-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG413110-2 WG413110-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	85		75		30-130
Phenol-d6	87		77		30-130
Nitrobenzene-d5	77		72		30-130
2-Fluorobiphenyl	80		74		30-130
2,4,6-Tribromophenol	78		77		30-130
4-Terphenyl-d14	87		78		30-130

PETROLEUM HYDROCARBONS

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-01	Date Collected:	05/13/10 10:30
Client ID:	PICO-BF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	05/14/10 15:04		
Analyst:	GK		
Percent Solids:	95%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Yes (Covering the Soil)
Methanol ratio:	1:1 +/- 25%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	2.98	--	1
C9-C12 Aliphatics	ND		mg/kg	2.98	--	1
C9-C10 Aromatics	ND		mg/kg	2.98	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	2.98	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	2.98	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	104		70-130
2,5-Dibromotoluene-FID	101		70-130

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-01	Date Collected:	05/13/10 10:30
Client ID:	PICO-BF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	05/17/10 15:10
Analytical Date:	05/19/10 11:00	Cleanup Method1:	EPH-04-1
Analyst:	MW	Cleanup Date1:	05/18/10
Percent Solids:	95%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	7.05	--	1
C19-C36 Aliphatics	ND		mg/kg	7.05	--	1
C11-C22 Aromatics, Unadjusted	12.7		mg/kg	7.05	--	1
C11-C22 Aromatics, Adjusted	11.9		mg/kg	7.05	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	56		40-140
o-Terphenyl	67		40-140
2-Fluorobiphenyl	69		40-140
2-Bromonaphthalene	72		40-140

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-02	Date Collected:	05/13/10 11:00
Client ID:	MEDEROS-SF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	05/14/10 15:56		
Analyst:	GK		
Percent Solids:	95%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Yes (Covering the Soil)
Methanol ratio:	1:1 +/- 25%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	3.20	--	1
C9-C12 Aliphatics	ND		mg/kg	3.20	--	1
C9-C10 Aromatics	ND		mg/kg	3.20	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	3.20	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	3.20	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	109		70-130
2,5-Dibromotoluene-FID	106		70-130

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007146
Project Number:	169909	**Report Date:**	05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-02	Date Collected:	05/13/10 11:00
Client ID:	MEDEROS-SF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	05/17/10 15:10
Analytical Date:	05/19/10 12:22	Cleanup Method1:	EPH-04-1
Analyst:	MW	Cleanup Date1:	05/18/10
Percent Solids:	95%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	6.76	--	1
C19-C36 Aliphatics	ND		mg/kg	6.76	--	1
C11-C22 Aromatics, Unadjusted	ND		mg/kg	6.76	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.76	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	57		40-140
o-Terphenyl	56		40-140
2-Fluorobiphenyl	66		40-140
2-Bromonaphthalene	69		40-140

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-03	Date Collected:	05/13/10 00:00
Client ID:	TRIP BLANK	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	05/14/10 16:48		
Analyst:	GK		
Percent Solids:	Results are reported on an 'AS RECEIVED' basis.		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Yes
Methanol ratio:	Not Applicable

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	2.67	--	1
C9-C12 Aliphatics	ND		mg/kg	2.67	--	1
C9-C10 Aromatics	ND		mg/kg	2.67	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	2.67	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	2.67	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	95		70-130
2,5-Dibromotoluene-FID	94		70-130

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 100,VPH-04-1.1
Analytical Date: 05/14/10 14:12
Analyst: GK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-03 Batch: WG413008-3					
C5-C8 Aliphatics	ND		mg/kg	2.67	--
C9-C12 Aliphatics	ND		mg/kg	2.67	--
C9-C10 Aromatics	ND		mg/kg	2.67	--
C5-C8 Aliphatics, Adjusted	ND		mg/kg	2.67	--
C9-C12 Aliphatics, Adjusted	ND		mg/kg	2.67	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	108		70-130
2,5-Dibromotoluene-FID	105		70-130

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 98,EPH-04-1.1
Analytical Date: 05/19/10 09:44
Analyst: MW

Extraction Method: EPA 3546
Extraction Date: 05/17/10 15:10
Cleanup Method1: EPH-04-1
Cleanup Date1: 05/18/10

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-02 Batch: WG413327-1					
C9-C18 Aliphatics	ND		mg/kg	6.55	--
C19-C36 Aliphatics	ND		mg/kg	6.55	--
C11-C22 Aromatics, Unadjusted	ND		mg/kg	6.55	--
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.55	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	55		40-140
o-Terphenyl	68		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	84		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-03 Batch: WG413008-1 WG413008-2								
C5-C8 Aliphatics	119		121		70-130	2		25
C9-C12 Aliphatics	100		102		70-130	2		25
C9-C10 Aromatics	101		103		70-130	2		25
Benzene	102		103		70-130	1		25
Toluene	104		104		70-130	0		25
Ethylbenzene	105		106		70-130	1		25
p/m-Xylene	103		103		70-130	0		25
o-Xylene	102		102		70-130	0		25
Methyl tert butyl ether	91		98		70-130	7		25
Naphthalene	89		101		70-130	12		25
1,2,4-Trimethylbenzene	102		104		70-130	2		25
Pentane	105		111		70-130	6		25
2-Methylpentane	99		99		70-130	1		25
2,2,4-Trimethylpentane	100		101		70-130	1		25
n-Nonane	98		100		30-130	2		25
n-Decane	102		104		70-130	2		25
n-Butylcyclohexane	96		98		70-130	3		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-03 Batch: WG413008-1 WG413008-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	96		104		70-130
2,5-Dibromotoluene-FID	91		101		70-130

Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-02 Batch: WG413327-2 WG413327-3								
C9-C18 Aliphatics	59		62		40-140	5		25
C19-C36 Aliphatics	78		76		40-140	3		25
C11-C22 Aromatics	66		73		40-140	10		25
Naphthalene	63		66		40-140	5		25
2-Methylnaphthalene	66		71		40-140	7		25
Acenaphthylene	67		73		40-140	9		25
Acenaphthene	64		69		40-140	8		25
Fluorene	61		67		40-140	9		25
Phenanthrene	68		73		40-140	7		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-02 Batch: WG413327-2 WG413327-3								
Anthracene	67		71		40-140	6		25
Fluoranthene	68		73		40-140	7		25
Pyrene	72		77		40-140	7		25
Benzo(a)anthracene	67		72		40-140	7		25
Chrysene	66		72		40-140	9		25
Benzo(b)fluoranthene	66		72		40-140	9		25
Benzo(k)fluoranthene	66		70		40-140	6		25
Benzo(a)pyrene	67		73		40-140	9		25
Indeno(1,2,3-cd)Pyrene	66		71		40-140	7		25
Dibenzo(a,h)anthracene	62		68		40-140	9		25
Benzo(ghi)perylene	67		73		40-140	9		25
Nonane (C9)	51		55		30-140	8		25
Decane (C10)	58		62		40-140	7		25
Dodecane (C12)	62		66		40-140	6		25
Tetradecane (C14)	65		69		40-140	6		25
Hexadecane (C16)	70		72		40-140	3		25
Octadecane (C18)	75		77		40-140	3		25
Nonadecane (C19)	77		79		40-140	3		25
Eicosane (C20)	77		80		40-140	4		25
Docosane (C22)	78		81		40-140	4		25
Tetracosane (C24)	80		83		40-140	4		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-02 Batch: WG413327-2 WG413327-3								
Hexacosane (C26)	80		84		40-140	5		25
Octacosane (C28)	79		82		40-140	4		25
Triacontane (C30)	82		86		40-140	5		25
Hexatriacontane (C36)	82		86		40-140	5		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	73		64		40-140
o-Terphenyl	68		66		40-140
2-Fluorobiphenyl	76		76		40-140
2-Bromonaphthalene	85		81		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

Fractionation Check Standard
Quality Control

Fractionation check standard for 201004218

Parameter	% Recovery	QC Criteria
C9-C18 Aliphatics	79	40-140
C19-C36 Aliphatics	90	40-140
C11-C22 Aromatics	85	40-140
Naphthalene	80	40-140
2-Methylnaphthalene	80	40-140
Acenaphthylene	75	40-140
Acenaphthene	81	40-140
Fluorene	78	40-140
Phenanthrene	82	40-140
Anthracene	80	40-140
Fluoranthene	80	40-140
Pyrene	81	40-140
Benzo(a)anthracene	74	40-140
Chrysene	76	40-140
Benzo(b)fluoranthene	72	40-140
Benzo(k)fluoranthene	79	40-140
Benzo(a)pyrene	66	40-140
Indeno(1,2,3-cd)Pyrene	75	40-140
Dibenzo(a,h)anthracene	72	40-140
Benzo(g,h,i)perylene	76	40-140
Nonane	42	30-140
Decane	75	40-140
Dodecane	79	40-140
Tetradecane	83	40-140
Hexadecane	87	40-140
Octadecane	90	40-140
Nonadecane	90	40-140
Eicosane	90	40-140
Docosane	91	40-140
Tetracosane	91	40-140
Hexacosane	90	40-140
Octacosane	90	40-140
Triacontane	90	40-140
Hexatriacontane	88	40-140
% Naphthalene Breakthrough	0	0-5
% 2-Methylnaphthalene Breakthrough	0	0-5

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

Fractionation Check Standard
Quality Control

Fractionation check standard for 201004218

Surrogate	% Recovery	QC Criteria
Chloro-Octadecane	79	40-140
o-Terphenyl	75	40-140
2-Fluorobiphenyl	76	40-140
2-Bromonaphthalene	80	40-140

PCBS

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-01	Date Collected:	05/13/10 10:30
Client ID:	PICO-BF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	05/14/10 10:52
Analytical Date:	05/17/10 09:30	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/16/10
Percent Solids:	95%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/16/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	33.9	--	1
Aroclor 1221	ND		ug/kg	33.9	--	1
Aroclor 1232	ND		ug/kg	33.9	--	1
Aroclor 1242	ND		ug/kg	33.9	--	1
Aroclor 1248	ND		ug/kg	33.9	--	1
Aroclor 1254	ND		ug/kg	33.9	--	1
Aroclor 1260	ND		ug/kg	33.9	--	1
Aroclor 1262	ND		ug/kg	33.9	--	1
Aroclor 1268	ND		ug/kg	33.9	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-02	Date Collected:	05/13/10 11:00
Client ID:	MEDEROS-SF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	05/14/10 10:52
Analytical Date:	05/17/10 09:42	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/16/10
Percent Solids:	95%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/16/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	35.2	--	1
Aroclor 1221	ND		ug/kg	35.2	--	1
Aroclor 1232	ND		ug/kg	35.2	--	1
Aroclor 1242	ND		ug/kg	35.2	--	1
Aroclor 1248	ND		ug/kg	35.2	--	1
Aroclor 1254	ND		ug/kg	35.2	--	1
Aroclor 1260	ND		ug/kg	35.2	--	1
Aroclor 1262	ND		ug/kg	35.2	--	1
Aroclor 1268	ND		ug/kg	35.2	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082
Analytical Date: 05/17/10 08:28
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 05/14/10 10:52
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/16/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/16/10

Parameter	Result	Qualifier	Units	RL	MDL
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01-02 Batch: WG413031-1					
Aroclor 1016	ND		ug/kg	33.3	--
Aroclor 1221	ND		ug/kg	33.3	--
Aroclor 1232	ND		ug/kg	33.3	--
Aroclor 1242	ND		ug/kg	33.3	--
Aroclor 1248	ND		ug/kg	33.3	--
Aroclor 1254	ND		ug/kg	33.3	--
Aroclor 1260	ND		ug/kg	33.3	--
Aroclor 1262	ND		ug/kg	33.3	--
Aroclor 1268	ND		ug/kg	33.3	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	60		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01-02 Batch: WG413031-2 WG413031-3								
Aroclor 1016	82		50		40-140	**48**	Q	30
Aroclor 1260	69		43		40-140	**46**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		37		30-150	A
Decachlorobiphenyl	50		37		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		40		30-150	B
Decachlorobiphenyl	55		40		30-150	B

PESTICIDES

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-01	Date Collected:	05/13/10 10:30
Client ID:	PICO-BF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8081A	Extraction Date:	05/17/10 18:38
Analytical Date:	05/19/10 14:38	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	05/18/10
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Organochlorine Pesticides - Westborough Lab						
Delta-BHC	ND		ug/kg	8.00	--	1
Lindane	ND		ug/kg	2.71	--	1
Alpha-BHC	ND		ug/kg	3.38	--	1
Beta-BHC	ND		ug/kg	8.00	--	1
Heptachlor	ND		ug/kg	4.06	--	1
Aldrin	ND		ug/kg	8.00	--	1
Heptachlor epoxide	ND		ug/kg	15.2	--	1
Endrin	ND		ug/kg	3.38	--	1
Endrin ketone	ND		ug/kg	8.00	--	1
Dieldrin	ND		ug/kg	5.08	--	1
4,4'-DDE	ND		ug/kg	8.00	--	1
4,4'-DDD	ND		ug/kg	8.00	--	1
4,4'-DDT	ND		ug/kg	15.2	--	1
Endosulfan I	ND		ug/kg	8.00	--	1
Endosulfan II	ND		ug/kg	8.00	--	1
Endosulfan sulfate	ND		ug/kg	3.38	--	1
Methoxychlor	ND		ug/kg	15.2	--	1
Chlordane	ND		ug/kg	66.0	--	1
Hexachlorobenzene	ND		ug/kg	8.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-01	Date Collected:	05/13/10 10:30
Client ID:	PICO-BF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	97,8151A	Extraction Date:	05/18/10 10:04
Analytical Date:	05/19/10 22:07		
Analyst:	JB		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Chlorinated Herbicides - Westborough Lab						
MCPP	ND		ug/kg	3500	--	1
MCPA	ND		ug/kg	3500	--	1
Dalapon	ND		ug/kg	35	--	1
Dicamba	ND		ug/kg	35	--	1
Dichloroprop	ND		ug/kg	35	--	1
2,4-D	ND		ug/kg	35	--	1
2,4-DB	ND		ug/kg	35	--	1
2,4,5-T	ND		ug/kg	35	--	1
2,4,5-TP (Silvex)	ND		ug/kg	35	--	1
Dinoseb	ND		ug/kg	35	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	77		30-150	B

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-02	Date Collected:	05/13/10 11:00
Client ID:	MEDEROS-SF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8081A	Extraction Date:	05/17/10 18:38
Analytical Date:	05/19/10 14:51	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	05/18/10
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Organochlorine Pesticides - Westborough Lab						
Delta-BHC	ND		ug/kg	8.00	--	1
Lindane	ND		ug/kg	2.89	--	1
Alpha-BHC	ND		ug/kg	3.62	--	1
Beta-BHC	ND		ug/kg	8.00	--	1
Heptachlor	ND		ug/kg	4.34	--	1
Aldrin	ND		ug/kg	8.00	--	1
Heptachlor epoxide	ND		ug/kg	16.3	--	1
Endrin	ND		ug/kg	3.62	--	1
Endrin ketone	ND		ug/kg	8.00	--	1
Dieldrin	ND		ug/kg	5.42	--	1
4,4'-DDE	ND		ug/kg	8.00	--	1
4,4'-DDD	ND		ug/kg	8.00	--	1
4,4'-DDT	ND		ug/kg	16.3	--	1
Endosulfan I	ND		ug/kg	8.00	--	1
Endosulfan II	ND		ug/kg	8.00	--	1
Endosulfan sulfate	ND		ug/kg	3.62	--	1
Methoxychlor	ND		ug/kg	16.3	--	1
Chlordane	ND		ug/kg	70.5	--	1
Hexachlorobenzene	ND		ug/kg	8.00	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-02	Date Collected:	05/13/10 11:00
Client ID:	MEDEROS-SF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	97,8151A	Extraction Date:	05/18/10 10:04
Analytical Date:	05/19/10 22:27		
Analyst:	JB		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Chlorinated Herbicides - Westborough Lab						
MCPP	ND		ug/kg	3400	--	1
MCPA	ND		ug/kg	3400	--	1
Dalapon	ND		ug/kg	34	--	1
Dicamba	ND		ug/kg	34	--	1
Dichloroprop	ND		ug/kg	34	--	1
2,4-D	ND		ug/kg	34	--	1
2,4-DB	ND		ug/kg	34	--	1
2,4,5-T	ND		ug/kg	34	--	1
2,4,5-TP (Silvex)	ND		ug/kg	34	--	1
Dinoseb	ND		ug/kg	34	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	77		30-150	B

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081A
Analytical Date: 05/19/10 13:59
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 05/17/10 18:38
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/18/10

Parameter	Result	Qualifier	Units	RL	MDL
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-02 Batch: WG413370-1					
Chlordane	ND		ug/kg	64.6	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081A
Analytical Date: 05/19/10 13:59
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 05/17/10 18:38
Cleanup Method1: EPA 3620B
Cleanup Date1: 05/18/10

Parameter	Result	Qualifier	Units	RL	MDL
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01-02 Batch: WG413370-1					
Delta-BHC	ND		ug/kg	7.95	--
Lindane	ND		ug/kg	2.65	--
Alpha-BHC	ND		ug/kg	3.31	--
Beta-BHC	ND		ug/kg	7.95	--
Heptachlor	ND		ug/kg	3.97	--
Aldrin	ND		ug/kg	7.95	--
Heptachlor epoxide	ND		ug/kg	14.9	--
Endrin	ND		ug/kg	3.31	--
Endrin ketone	ND		ug/kg	7.95	--
Dieldrin	ND		ug/kg	4.97	--
4,4'-DDE	ND		ug/kg	7.95	--
4,4'-DDD	ND		ug/kg	7.95	--
4,4'-DDT	ND		ug/kg	14.9	--
Endosulfan I	ND		ug/kg	7.95	--
Endosulfan II	ND		ug/kg	7.95	--
Endosulfan sulfate	ND		ug/kg	3.31	--
Methoxychlor	ND		ug/kg	14.9	--
Hexachlorobenzene	ND		ug/kg	7.95	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 05/19/10 21:08
Analyst: JB

Extraction Method: EPA 8151A
Extraction Date: 05/18/10 10:04

Parameter	Result	Qualifier	Units	RL	MDL
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01-02 Batch: WG413430-1					
MCPP	ND		ug/kg	3300	--
MCPA	ND		ug/kg	3300	--
Dalapon	ND		ug/kg	33	--
Dicamba	ND		ug/kg	33	--
Dichloroprop	ND		ug/kg	33	--
2,4-D	ND		ug/kg	33	--
2,4-DB	ND		ug/kg	33	--
2,4,5-T	ND		ug/kg	33	--
2,4,5-TP (Silvex)	ND		ug/kg	33	--
Dinoseb	ND		ug/kg	33	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	106		30-150	A
DCAA	83		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-02 Batch: WG413370-2 WG413370-3								
Delta-BHC	108		91		40-140	17		30
Lindane	103		86		40-140	18		30
Alpha-BHC	102		86		40-140	17		30
Beta-BHC	91		76		40-140	18		30
Heptachlor	98		82		40-140	18		30
Aldrin	100		84		40-140	17		30
Heptachlor epoxide	103		86		40-140	18		30
Endrin	104		88		40-140	17		30
Endrin ketone	93		80		40-140	15		30
Dieldrin	102		86		40-140	17		30
4,4'-DDE	109		93		40-140	16		30
4,4'-DDD	115		96		40-140	18		30
4,4'-DDT	108		90		40-140	18		30
Endosulfan I	86		71		40-140	19		30
Endosulfan II	103		89		40-140	15		30
Endosulfan sulfate	94		83		40-140	12		30
Methoxychlor	109		93		40-140	16		30
Hexachlorobenzene	61		51		40-140	18		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01-02 Batch: WG413370-2 WG413370-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		72		30-150	A
Decachlorobiphenyl	86		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		68		30-150	B
Decachlorobiphenyl	81		71		30-150	B

MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-02 Batch: WG413430-2 WG413430-3								
MCPP	86		71		40-140	19		30
MCPA	86		72		40-140	18		30
Dalapon	71		58		40-140	20		30
Dicamba	78		67		40-140	15		30
Dichloroprop	85		71		40-140	18		30
2,4-D	90		75		40-140	18		30
2,4-DB	74		68		40-140	8		30
2,4,5-T	72		62		40-140	15		30
2,4,5-TP (Silvex)	89		73		40-140	20		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01-02 Batch: WG413430-2 WG413430-3								
Dinoseb	**2**	Q	**2**	Q	40-140	**33**	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	89		71		30-150	A
DCAA	73		53		30-150	B

METALS

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007146
Project Number:	169909	**Report Date:**	05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-01	Date Collected:	05/13/10 10:30
Client ID:	PICO-BF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Arsenic, Total	2.2		mg/kg	0.37	--	1	05/14/10 12:50	05/17/10 18:30	EPA 3050B	97,6010B	MG
Barium, Total	9.3		mg/kg	0.37	--	1	05/14/10 12:50	05/17/10 18:30	EPA 3050B	97,6010B	MG
Cadmium, Total	ND		mg/kg	0.37	--	1	05/14/10 12:50	05/17/10 18:30	EPA 3050B	97,6010B	MG
Chromium, Total	5.2		mg/kg	0.37	--	1	05/14/10 12:50	05/17/10 18:30	EPA 3050B	97,6010B	MG
Lead, Total	10		mg/kg	1.9	--	1	05/14/10 12:50	05/17/10 18:30	EPA 3050B	97,6010B	MG
Mercury, Total	ND		mg/kg	0.07	--	1	05/14/10 11:50	05/17/10 13:04	EPA 7471A	97,7471A	EZ
Selenium, Total	ND		mg/kg	1.9	--	1	05/14/10 12:50	05/17/10 18:30	EPA 3050B	97,6010B	MG
Silver, Total	ND		mg/kg	0.37	--	1	05/14/10 12:50	05/17/10 18:30	EPA 3050B	97,6010B	MG

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007146
Project Number:	169909	**Report Date:**	05/21/10

SAMPLE RESULTS

Lab ID:	L1007146-02	Date Collected:	05/13/10 11:00
Client ID:	MEDEROS-SF	Date Received:	05/13/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Arsenic, Total	1.2		mg/kg	0.36	--	1	05/14/10 12:50	05/17/10 18:34	EPA 3050B	97,6010B	MG
Barium, Total	15		mg/kg	0.36	--	1	05/14/10 12:50	05/17/10 18:34	EPA 3050B	97,6010B	MG
Cadmium, Total	ND		mg/kg	0.36	--	1	05/14/10 12:50	05/17/10 18:34	EPA 3050B	97,6010B	MG
Chromium, Total	4.7		mg/kg	0.36	--	1	05/14/10 12:50	05/17/10 18:34	EPA 3050B	97,6010B	MG
Lead, Total	11		mg/kg	1.8	--	1	05/14/10 12:50	05/17/10 18:34	EPA 3050B	97,6010B	MG
Mercury, Total	ND		mg/kg	0.07	--	1	05/14/10 11:50	05/17/10 13:06	EPA 7471A	97,7471A	EZ
Selenium, Total	ND		mg/kg	1.8	--	1	05/14/10 12:50	05/17/10 18:34	EPA 3050B	97,6010B	MG
Silver, Total	ND		mg/kg	0.36	--	1	05/14/10 12:50	05/17/10 18:34	EPA 3050B	97,6010B	MG

Project Name: 246 RIVER ROAD **Lab Number:** L1007146

Project Number: 169909 **Report Date:** 05/21/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG413066-1										
Arsenic, Total	ND		mg/kg	0.40	--	1	05/14/10 12:50	05/17/10 16:50	97,6010B	MG
Barium, Total	ND		mg/kg	0.40	--	1	05/14/10 12:50	05/17/10 16:50	97,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	--	1	05/14/10 12:50	05/17/10 16:50	97,6010B	MG
Chromium, Total	ND		mg/kg	0.40	--	1	05/14/10 12:50	05/17/10 16:50	97,6010B	MG
Lead, Total	ND		mg/kg	2.0	--	1	05/14/10 12:50	05/17/10 16:50	97,6010B	MG
Selenium, Total	ND		mg/kg	2.0	--	1	05/14/10 12:50	05/17/10 16:50	97,6010B	MG
Silver, Total	ND		mg/kg	0.40	--	1	05/14/10 12:50	05/17/10 16:50	97,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG413276-1										
Mercury, Total	ND		mg/kg	0.08	--	1	05/14/10 11:50	05/17/10 12:59	97,7471A	EZ

Prep Information

Digestion Method: EPA 7471A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909
Lab Number: L1007146
Report Date: 05/21/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG413066-2 WG413066-3								
Arsenic, Total	92		103		80-120	2		30
Barium, Total	84		97		79-121	0		30
Cadmium, Total	94		94		82-118	11		30
Chromium, Total	88		93		80-120	5		30
Lead, Total	103		103		80-120	2		30
Selenium, Total	96		102		79-122	1		30
Silver, Total	89		97		66-134	6		30
MCP Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG413276-2 WG413276-3								
Mercury, Total	88		88		68-133	0		30

INORGANICS
&
MISCELLANEOUS

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

SAMPLE RESULTS

Lab ID: L1007146-01
Client ID: PICO-BF
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/13/10 10:30
Date Received: 05/13/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95		%	0.10	NA	1	-	05/17/10 13:55	30,2540G	TL

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

SAMPLE RESULTS

Lab ID: L1007146-02
Client ID: MEDEROS-SF
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 05/13/10 11:00
Date Received: 05/13/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95		%	0.10	NA	1	-	05/17/10 13:55	30,2540G	TL

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG413307-1 QC Sample: L1007072-23 Client ID: DUP Sample						
Solids, Total	87	82	%	6		20

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 05/13/2010 23:11

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1007146-01A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	VPH-10(28)
L1007146-01B	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1007146-01C	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1007146-01D	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1007146-01E	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	EPH-10(14),MCP-8082-10(),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14)
L1007146-01F	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180)
L1007146-01G	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	TS(7)
L1007146-02A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	VPH-10(28)
L1007146-02B	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1007146-02C	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1007146-02D	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1007146-02E	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	EPH-10(14),MCP-8082-10(),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14)
L1007146-02F	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180)
L1007146-02G	Amber 250ml unpreserved	A	N/A	2.4	Y	Absent	TS(7)
L1007146-03A	Vial MeOH preserved	A	N/A	2.4	Y	Absent	VPH-10(28)
L1007146-03B	Vial MeOH preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)
L1007146-03C	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name: 246 RIVER ROAD
Project Number: 169909

Lab Number: L1007146
Report Date: 05/21/10

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1007146-03D	Vial water preserved	A	N/A	2.4	Y	Absent	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007146
Project Number:	169909	**Report Date:**	05/21/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007146
Project Number:	169909	**Report Date:**	05/21/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name:	246 RIVER ROAD	**Lab Number:**	L1007146
Project Number:	169909	**Report Date:**	05/21/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

98 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, May 2004, Revision 1.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, July 2010.

100 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, May 2004, Revision 1.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised May 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 5/13/10

ALPHA Job #: L1007146

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: TRC Environmental
Address: 650 Suffolk St
Lowell MA 01854
Phone: 978-970-5600
Fax:
Email: tbiolsi@trcsolutions.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 River Road
Project Location: New Bedford, MA
Project #: 168909
Project Manager: Tom Biolsi
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)
5-Day TAT
Date Due: 5/20 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MCP Criteria S-1/GW-2 and S1/GW-3

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	RCRA 8 Metals	PCBs (8082)	SVOCs (8270C)	EPH	Pesticides/Herbicides (8081A/8151A)	VPH	VOCs (8260B)						Sample Specific Comments	TOTAL # BOTTLES
07146.1	Pico - BF	5/13/10	1030	Soil	JSG	X	X	X	X	X	X	X							7
2	Meleros - SF	5/13/10	1100	Soil	JSG	X	X	X	X	X	X	X							7
3	Trip Blank - VOCs											X							3
3	Trip Blank - VPH										X								1

Container Type	250ml	→			250ml	40ml VOA	40ml VOA				
Preservative	None	None	None	None	None	Meoh	2x DI 5x MeOH				

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
James A. Grady	5/13/10 1700		5/13/10 1700
	5/13/10 1815		5/13/10 1815

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

05211012:10

Data File: \\Orgserv1\ee\chem\GCEXT\Pest11.i\100519a.b\05190001.D Page 1
Report Date: 20-May-2010 10:17

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest11.i\100519a.b\05190001.D
Lab Smp Id:
Inj Date : 19-MAY-2010 06:38
Operator : jb Inst ID: Pest11.i
Smp Info : +deg std 2902
Misc Info : wg413576, wg413078, ical4983
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest11.i\100519a.b\Pest11a.m
Meth Date : 20-May-2010 09:13 Prep Quant Type: ISTD
Cal Date : 19-MAY-2010 13:07 Cal File: 05190025.D
Als bottle: 1 QC Sample: degradation
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ng)	REVIEW CODE
* 1 1-Bromo-2-nitrobenzene	2.002	1.992	(1.000)	25534556	0.02500		
14 4,4'-DDE	4.361	4.350	(2.178)	368526	0.00425	0.00425	
17 Endrin	4.756	4.737	(2.375)	42007999	0.04243	0.0424	
18 4,4'-DDD	4.807	4.799	(2.401)	999924	0.00136	0.00136	
20 4,4'-DDT	5.009	4.997	(2.501)	44331838	0.05366	0.0537	
21 Endrin Aldehyde	5.214	5.200	(2.604)	670183	8e-004	0.000786	
24 Endrin Ketone	5.701	5.687	(2.847)	1291483	0.00113	0.00113	

DDT Degradation Percent = 2.994
Endrin Degradataion Percent = 4.461

A

L1007146-01,02

WG 413370-1,2,3

Data File: \\Orgserv1\ee\chem\GCEXT\Pest11.i\100519b.b\05190001.D Page 1
Report Date: 20-May-2010 10:17

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest11.i\100519b.b\05190001.D
Lab Smp Id:
Inj Date : 19-MAY-2010 06:38
Operator : jb Inst ID: Pest11.i
Smp Info : +deg std 2902
Misc Info : wg413576, wg413078, ical4984
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest11.i\100519b.b\Pest11b.m
Meth Date : 20-May-2010 09:14 Prep Quant Type: ISTD
Cal Date : 19-MAY-2010 13:07 Cal File: 05190025.D
Als bottle: 1 QC Sample: degradation
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 4.12
Processing Host: KRISTINF

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)	REVIEW CODE
* 1 1-Bromo-2-nitrobenzene	2.084	2.079	(1.000)	19754564	0.02500		
14 4,4'-DDE	4.889	4.890	(2.346)	397042	5e-004	0.000482	
17 Endrin	5.239	5.234	(2.514)	32642041	0.04676	0.0468	
18 4,4'-DDD	5.304	5.305	(2.545)	1382768	0.00224	0.00224	
20 4,4'-DDT	5.521	5.520	(2.649)	32783515	0.05204	0.0520	
21 Endrin Aldehyde	5.612	5.610	(2.693)	839526	0.00134	0.00134	
24 Endrin Ketone	6.159	6.150	(2.955)	1231750	0.00152	0.00152	

DDT Degradation Percent = 5.149
Endrin Degradataion Percent = 5.967

B

L1007146-01, 02
WG413370-1,2,3

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1007146

Instrument ID: Charlie.i Calibration Date: 16-MAY-2010 Time: 08:28

Lab File ID: 0516A01.D Init. Calib. Date(s): 13-MAY-2 13-MAY-2

Sample No: 8260 CCAL Init. Calib. Times : 12:36 15:25

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	100	84.084	.05	16	20	
chloromethane	.30613	.26757	.05	13	20	
vinyl chloride	100	86.540	.05	13	20	
bromomethane	.04445	.03957	.05	11	20	F
chloroethane	.05894	.07478	.05	-27	20	F
trichlorofluoromethane	100	92.072	.05	8	20	
ethyl ether	.06779	.05244	.05	23	20	F
acetone	100	93.048	.05	7	20	
1,1,-dichloroethene	.12532	.1312	.05	-5	20	
carbon disulfide	.43228	.33209	.05	23	20	F
methylene chloride	.17742	.16314	.05	8	20	
methyl tert butyl ether	.51106	.40932	.05	20	20	
trans-1,2-dichloroethene	.15583	.15838	.05	-2	20	
Diisopropyl Ether	.99387	.75719	.05	24	20	F
1,1-dichloroethane	.37395	.36287	.05	3	20	
Ethyl-Tert-Butyl-Ether	.81117	.65303	.05	19	20	
2-butanone	.18099	.19354	.05	-7	20	
2,2-dichloropropane	.21329	.22432	.05	-5	20	
cis-1,2-dichloroethene	.17653	.18345	.05	-4	20	
chloroform	.28012	.27242	.05	3	20	
bromochloromethane	.09034	.08958	.05	1	20	
tetrahydrofuran	.13225	.11441	.05	13	20	
1,1,1-trichloroethane	.24397	.24594	.05	-1	20	
1,1-dichloropropene	.19314	.19994	.05	-4	20	
carbontetrachloride	100	86.789	.05	13	20	
Tertiary-Amyl Methyl Ether	.4919	.41544	.05	16	20	
1,2-dichloroethane	.31769	.31215	.05	2	20	
benzene	.61813	.60582	.05	2	20	
trichloroethene	.17352	.16682	.05	4	20	
1,2-dichloropropane	.21643	.21279	.05	2	20	
bromodichloromethane	.21665	.22209	.05	-3	20	
1,4-dioxane	.00294	.00292	.05	1	20	F
dibromomethane	.1119	.10904	.05	3	20	
4-methyl-2-pentanone	.13256	.14747	.05	-11	20	
cis-1,3-dichloropropene	.25492	.23819	.05	7	20	
toluene	.52757	.48687	.05	8	20	
trans-1,3-dichloropropene	.3092	.32356	.05	-5	20	
1,1,2-trichloroethane	.15404	.15301	.05	1	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1007146

Instrument ID: Charlie.i Calibration Date: 16-MAY-2010 Time: 08:28

Lab File ID: 0516A01.D Init. Calib. Date(s): 13-MAY-2 13-MAY-2

Sample No: 8260 CCAL Init. Calib. Times : 12:36 15:25

Compound	RRF	RRF	MIN RRF	%D	MAX %D
2-hexanone	.34598	.38117	.05	-10	20
1,3-dichloropropane	.32354	.31847	.05	2	20
tetrachloroethene	.21296	.21476	.05	-1	20
chlorodibromomethane	.2237	.21842	.05	2	20
1,2-dibromoethane	.21036	.20958	.05	0	20
chlorobenzene	.58252	.56879	.05	2	20
1,1,1,2-tetrachloroethane	.21419	.22018	.05	-3	20
ethyl benzene	.97362	.98811	.05	-1	20
p/m xylene	.35612	.3684	.05	-3	20
o xylene	.32397	.31538	.05	3	20
styrene	.55865	.53882	.05	4	20
bromoform	.29087	.30043	.05	-3	20
isopropylbenzene	1.7311	1.7659	.05	-2	20
1,1,2,2,-tetrachloroethane	.48952	.53371	.05	-9	20
1,2,3-trichloropropane	.60568	.61672	.05	-2	20
n-propylbenzene	2.0858	2.1344	.05	-2	20
bromobenzene	.45628	.47433	.05	-4	20
1,3,5-trimethybenzene	1.4594	1.5076	.05	-3	20
2-chlorotoluene	1.3637	1.3769	.05	-1	20
4-chorotoluene	1.4864	1.5796	.05	-6	20
tert-butylbenzene	1.2868	1.3062	.05	-2	20
1,2,4-trimethylbenzene	1.5414	1.5929	.05	-3	20
sec-butylbenzene	1.8121	1.8979	.05	-5	20
p-isopropyltoluene	1.5516	1.6546	.05	-7	20
1,3-dichlorobenzene	.89297	.93722	.05	-5	20
1,4-dichlorobenzene	.92512	.98084	.05	-6	20
n-butylbenzene	1.7318	1.8653	.05	-8	20
1,2-dichlorobenzene	.83905	.89037	.05	-6	20
1,2-dibromo-3-chloropropane	.12481	.14007	.05	-12	20
1,2,4-trichlorobenzene	.63515	.69728	.05	-10	20
hexachlorobutadiene	.31418	.32773	.05	-4	20
naphthalene	1.9337	2.0141	.05	-4	20
1,2,3-trichlorobenzene	.61054	.64028	.05	-5	20
dibromofluoromethane	.67903	.67551	.05	1	30
1,2-dichloroethane-d4	.89423	.85712	.05	4	30
toluene-d8	3.1051	3.0845	.05	1	30
4-bromofluorobenzene	2.6533	2.6470	.05	0	30

FORM VII MCP-8260HLW-10

ANALYTICAL REPORT

Lab Number:	L1008720
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Tom Biolsi
Phone:	(978) 656-3600
Project Name:	246 RIVER RD.
Project Number:	169909
Report Date:	06/28/10

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1008720-01	LAL LOAM	NEW BEDFORD, MA	06/10/10 08:00
L1008720-02	TRIP BLANK	NEW BEDFORD, MA	06/10/10 00:00

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	YES
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: 246 RIVER RD. **Lab Number:** L1008720
Project Number: 169909 **Report Date:** 06/28/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Report Submission

The results for sample "NSP 2" were issued under separate cover.

Sample Receipt

In reference to question H:

A Matrix Spike was not submitted for the analysis of Metals.

Volatile Organics

In reference to question G:

Tetrahydrofuran did not achieve the requested CAM reporting limit.

Project Name: 246 RIVER RD. **Lab Number:** L1008720
Project Number: 169909 **Report Date:** 06/28/10

Case Narrative (continued)

In reference to question H:
L1008720-01: The internal standard (IS) response for 1,4-Dichlorobenzene-d4 and the surrogate recovery for 4-Bromofluorobenzene (144%) were outside the acceptance criteria; however, re-analysis achieved similar results (Toluene-d8 at 134% and 4-Bromofluorobenzene at 146%). The results of both analyses are reported; however, since the IS response was below method criteria, all associated compounds and surrogate recoveries are considered to have a potentially high bias.
The WG418211-1/-2 LCS/LCSD recoveries, associated with L1008720-01 and -02, are below the acceptance criteria for Chloromethane (69%/68%); however, it has been identified as a "difficult" analyte and is within the 40-160% acceptance limits. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.
The WG418211-4/-5 LCS/LCSD recoveries, associated with L1008720-01, are below the acceptance criteria for Chloromethane (LCSD at 69%) and Carbon disulfide (61%/58%); however, they have been identified as "difficult" analytes and are within the 40-160% acceptance limits. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for these compounds.
The initial calibrations, associated with L1008720-01 and -02, did not meet the method required minimum response factor for 1,4-Dioxane.
The continuing calibration standards, associated with L1008720-01 and -02, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as an addendum to this report.

Semivolatile Organics
In reference to question H:
The WG419145-2 LCS recovery, associated with L1008720-01, is below the individual acceptance criteria for 2,4-Dinitrophenol (28%), but within the overall method allowances. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for this compound.

Project Name: 246 RIVER RD. **Lab Number:** L1008720
Project Number: 169909 **Report Date:** 06/28/10

Case Narrative (continued)

VPH

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

EPH

In reference to question H:

The WG419046-2/-3 LCS/LCSD RPDs, associated with L1008720-01, are above the acceptance criteria for C9-C18 Aliphatics (40%), C19-C36 Aliphatics (39%), C11-C22 Aromatics (39%), Naphthalene (45%), 2-Methylnaphthalene (44%), Acenaphthylene (44%), Acenaphthene (41%), Fluorene (41%), Phenanthrene (40%), Anthracene (37%), Fluoranthene (39%), Pyrene (38%), Benzo(a)anthracene (37%), Chrysene (37%), Benzo(b)fluoranthene (37%), Benzo(k)fluoranthene (36%), Benzo(a)pyrene (37%), Indeno(1,2,3-cd)Pyrene (39%), Dibenzo(a,h)anthracene (37%), Benzo(ghi)perylene (36%), Nonane (C9) (41%), Decane (C10) (42%), Dodecane (C12) (40%), Tetradecane (C14) (42%), Hexadecane (C16) (41%), Octadecane (C18) (40%), Nonadecane (C19) (39%), Eicosane (C20) (40%), Docosane (C22) (39%), Tetracosane (C24) (39%), Hexacosane (C26) (39%), Octacosane (C28) (38%), Triacontane (C30) (39%) and Hexatriacontane (C36) (36%); however, the individual LCS/LCSD recoveries are within method limits.

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

Herbicides

In reference to question H:

The dual column RPD for L1008720-01 is above the acceptance criteria for MCPA; however, no obvious column interferences are present. The higher of the two results is reported and qualified with a "P".

The WG417838-2 LCS/LCSD recoveries, associated with L1008720-01, are below the acceptance criteria for Dinoseb (14%/12%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for this compound.

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Case Narrative (continued)

Pesticides

A copy of the Degradation Standards for 4,4'-DDT and Endrin breakdown products is included as an addendum.

L1008720-01 has elevated detection limits due to the dilution required by the sample matrix.

In reference to question G:

The following target analytes did not achieve the requested CAM reporting limit: Delta-BHC, Lindane, Alpha-BHC, Beta-BHC, Heptachlor, Aldrin, Heptachlor epoxide, Endrin, Endrin ketone, Dieldrin, 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Methoxychlor, Chlordane and Hexachlorobenzene.

In reference to question H:

The WG419616-2/-3 LCS/LCSD RPDs, associated with L1008720-01, are above the acceptance criteria for Delta-BHC (42%), Lindane (43%), Alpha-BHC (43%), Beta-BHC (42%), Heptachlor (44%), Aldrin (42%), Heptachlor epoxide (40%), Endrin (44%), Endrin ketone (42%), Dieldrin (40%), 4,4'-DDE (40%), 4,4'-DDD (40%), 4,4'-DDT (46%), Endosulfan I (37%), Endosulfan II (39%), Endosulfan sulfate (41%), Methoxychlor (38%) and Hexachlorobenzene (39%); however, the individual LCS/LCSD recoveries are within method limits.

Metals

LCS/LCSD SRM Lot#: ERA D067-540

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/28/10

ORGANICS

VOLATILES

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID:	L1008720-01	Date Collected:	06/10/10 08:00
Client ID:	LAL LOAM	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	06/15/10 15:51		
Analyst:	BN		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	--	1
1,1-Dichloroethane	ND		ug/kg	1.8	--	1
Chloroform	ND		ug/kg	1.8	--	1
Carbon tetrachloride	ND		ug/kg	1.2	--	1
1,2-Dichloropropane	ND		ug/kg	4.3	--	1
Dibromochloromethane	ND		ug/kg	1.2	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	--	1
Tetrachloroethene	ND		ug/kg	1.2	--	1
Chlorobenzene	ND		ug/kg	1.2	--	1
Trichlorofluoromethane	ND		ug/kg	6.1	--	1
1,2-Dichloroethane	ND		ug/kg	1.2	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	--	1
Bromodichloromethane	ND		ug/kg	1.2	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	--	1
1,1-Dichloropropene	ND		ug/kg	6.1	--	1
Bromoform	ND		ug/kg	4.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	--	1
Benzene	ND		ug/kg	1.2	--	1
Toluene	ND		ug/kg	1.8	--	1
Ethylbenzene	ND		ug/kg	1.2	--	1
Chloromethane	ND		ug/kg	6.1	--	1
Bromomethane	ND		ug/kg	2.4	--	1
Vinyl chloride	ND		ug/kg	2.4	--	1
Chloroethane	ND		ug/kg	2.4	--	1
1,1-Dichloroethene	ND		ug/kg	1.2	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	--	1
Trichloroethene	ND		ug/kg	1.2	--	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	6.1	--	1

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID: L1008720-01 Date Collected: 06/10/10 08:00

Client ID: LAL LOAM Date Received: 06/10/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	6.1	--	1
Methyl tert butyl ether	ND		ug/kg	2.4	--	1
p/m-Xylene	ND		ug/kg	2.4	--	1
o-Xylene	ND		ug/kg	2.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Dibromomethane	ND		ug/kg	12	--	1
1,2,3-Trichloropropane	ND		ug/kg	12	--	1
Styrene	ND		ug/kg	2.4	--	1
Dichlorodifluoromethane	ND		ug/kg	12	--	1
Acetone	ND		ug/kg	44	--	1
Carbon disulfide	ND		ug/kg	61	--	1
2-Butanone	ND		ug/kg	12	--	1
4-Methyl-2-pentanone	ND		ug/kg	12	--	1
2-Hexanone	ND		ug/kg	12	--	1
Bromochloromethane	ND		ug/kg	6.1	--	1
Tetrahydrofuran	ND		ug/kg	24	--	1
2,2-Dichloropropane	ND		ug/kg	6.1	--	1
1,2-Dibromoethane	ND		ug/kg	4.9	--	1
1,3-Dichloropropane	ND		ug/kg	6.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	--	1
Bromobenzene	ND		ug/kg	6.1	--	1
n-Butylbenzene	ND		ug/kg	1.2	--	1
sec-Butylbenzene	ND		ug/kg	1.2	--	1
tert-Butylbenzene	ND		ug/kg	6.1	--	1
o-Chlorotoluene	ND		ug/kg	6.1	--	1
p-Chlorotoluene	ND		ug/kg	6.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	--	1
Hexachlorobutadiene	ND		ug/kg	6.1	--	1
Isopropylbenzene	ND		ug/kg	1.2	--	1
p-Isopropyltoluene	ND		ug/kg	1.2	--	1
Naphthalene	ND		ug/kg	6.1	--	1
n-Propylbenzene	ND		ug/kg	1.2	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	--	1
Ethyl ether	ND		ug/kg	6.1	--	1

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID:	L1008720-01	Date Collected:	06/10/10 08:00
Client ID:	LAL LOAM	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	4.9	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.9	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.9	--	1
1,4-Dioxane	ND		ug/kg	610	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	129		70-130
4-Bromofluorobenzene	**144**	Q	70-130
Dibromofluoromethane	99		70-130

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID:	L1008720-01	R	Date Collected:	06/10/10 08:00
Client ID:	LAL LOAM		Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA		Field Prep:	Not Specified
Matrix:	Soil			
Analytical Method:	97,8260B			
Analytical Date:	06/16/10 09:12			
Analyst:	BN			
Percent Solids:	82%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
Trichlorofluoromethane	ND		ug/kg	5.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	--	1
Bromodichloromethane	ND		ug/kg	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
1,1-Dichloropropene	ND		ug/kg	5.0	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Benzene	ND		ug/kg	1.0	--	1
Toluene	ND		ug/kg	1.5	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	5.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	2.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
Trichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	--	1

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID: L1008720-01 R Date Collected: 06/10/10 08:00

Client ID: LAL LOAM Date Received: 06/10/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	2.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	10	--	1
1,2,3-Trichloropropane	ND		ug/kg	10	--	1
Styrene	ND		ug/kg	2.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	36	--	1
Carbon disulfide	ND		ug/kg	50	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	5.0	--	1
Tetrahydrofuran	ND		ug/kg	20	--	1
2,2-Dichloropropane	ND		ug/kg	5.0	--	1
1,2-Dibromoethane	ND		ug/kg	4.0	--	1
1,3-Dichloropropane	ND		ug/kg	5.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Bromobenzene	ND		ug/kg	5.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	5.0	--	1
o-Chlorotoluene	ND		ug/kg	5.0	--	1
p-Chlorotoluene	ND		ug/kg	5.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--	1
Hexachlorobutadiene	ND		ug/kg	5.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	5.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--	1
Ethyl ether	ND		ug/kg	5.0	--	1

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID: L1008720-01 R Date Collected: 06/10/10 08:00

Client ID: LAL LOAM Date Received: 06/10/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	4.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--	1
1,4-Dioxane	ND		ug/kg	500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	**134**	Q	70-130
4-Bromofluorobenzene	**146**	Q	70-130
Dibromofluoromethane	97		70-130

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID:	L1008720-02	Date Collected:	06/10/10 00:00
Client ID:	TRIP BLANK	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	06/15/10 16:27		
Analyst:	BN		
Percent Solids:	Results reported on an 'AS RECEIVED' basis.		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
Trichlorofluoromethane	ND		ug/kg	5.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	--	1
Bromodichloromethane	ND		ug/kg	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
1,1-Dichloropropene	ND		ug/kg	5.0	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Benzene	ND		ug/kg	1.0	--	1
Toluene	ND		ug/kg	1.5	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	5.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	2.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
Trichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	--	1

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID: L1008720-02 Date Collected: 06/10/10 00:00

Client ID: TRIP BLANK Date Received: 06/10/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	2.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	10	--	1
1,2,3-Trichloropropane	ND		ug/kg	10	--	1
Styrene	ND		ug/kg	2.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	36	--	1
Carbon disulfide	ND		ug/kg	50	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	5.0	--	1
Tetrahydrofuran	ND		ug/kg	20	--	1
2,2-Dichloropropane	ND		ug/kg	5.0	--	1
1,2-Dibromoethane	ND		ug/kg	4.0	--	1
1,3-Dichloropropane	ND		ug/kg	5.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Bromobenzene	ND		ug/kg	5.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	5.0	--	1
o-Chlorotoluene	ND		ug/kg	5.0	--	1
p-Chlorotoluene	ND		ug/kg	5.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--	1
Hexachlorobutadiene	ND		ug/kg	5.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	5.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--	1
Ethyl ether	ND		ug/kg	5.0	--	1

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID:	L1008720-02	Date Collected:	06/10/10 00:00
Client ID:	TRIP BLANK	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Isopropyl Ether	ND		ug/kg	4.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--	1
1,4-Dioxane	ND		ug/kg	500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/15/10 15:15
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-02 Batch: WG418211-3					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	5.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	5.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	5.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--
1,2-Dichlorobenzene	ND		ug/kg	5.0	--
1,3-Dichlorobenzene	ND		ug/kg	5.0	--

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/15/10 15:15
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-02 Batch: WG418211-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	10	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	50	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	5.0	--
Tetrahydrofuran	ND		ug/kg	20	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	5.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	5.0	--
o-Chlorotoluene	ND		ug/kg	5.0	--
p-Chlorotoluene	ND		ug/kg	5.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--
Hexachlorobutadiene	ND		ug/kg	5.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/15/10 15:15
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-02 Batch: WG418211-3					
Naphthalene	ND		ug/kg	5.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--
Ethyl ether	ND		ug/kg	5.0	--
Isopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/16/10 08:17
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01 Batch: WG418211-6					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	5.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	5.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	5.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--
1,2-Dichlorobenzene	ND		ug/kg	5.0	--
1,3-Dichlorobenzene	ND		ug/kg	5.0	--
1,4-Dichlorobenzene	ND		ug/kg	5.0	--

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/16/10 08:17
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01 Batch: WG418211-6					
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	10	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	50	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	5.0	--
Tetrahydrofuran	ND		ug/kg	20	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	5.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	5.0	--
o-Chlorotoluene	ND		ug/kg	5.0	--
p-Chlorotoluene	ND		ug/kg	5.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--
Hexachlorobutadiene	ND		ug/kg	5.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	5.0	--
n-Propylbenzene	ND		ug/kg	1.0	--

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 06/16/10 08:17
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01 Batch: WG418211-6					
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--
Ethyl ether	ND		ug/kg	5.0	--
Isopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	500	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG418211-1 WG418211-2								
Methylene chloride	93		92		70-130	1		20
1,1-Dichloroethane	93		92		70-130	1		20
Chloroform	87		86		70-130	1		20
Carbon tetrachloride	83		82		70-130	1		20
1,2-Dichloropropane	89		89		70-130	0		20
Dibromochloromethane	92		92		70-130	0		20
1,1,2-Trichloroethane	96		95		70-130	1		20
Tetrachloroethene	98		96		70-130	2		20
Chlorobenzene	97		97		70-130	0		20
Trichlorofluoromethane	87		85		70-130	2		20
1,2-Dichloroethane	84		85		70-130	1		20
1,1,1-Trichloroethane	86		86		70-130	0		20
Bromodichloromethane	88		89		70-130	1		20
trans-1,3-Dichloropropene	109		109		70-130	0		20
cis-1,3-Dichloropropene	84		84		70-130	0		20
1,1-Dichloropropene	85		84		70-130	1		20
Bromoform	98		98		70-130	0		20
1,1,2,2-Tetrachloroethane	104		104		70-130	0		20
Benzene	91		90		70-130	1		20
Toluene	98		96		70-130	2		20
Ethylbenzene	102		101		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG418211-1 WG418211-2								
Chloromethane	**69**	Q	**68**	Q	70-130	1		20
Bromomethane	103		103		70-130	0		20
Vinyl chloride	93		90		70-130	3		20
Chloroethane	110		108		70-130	2		20
1,1-Dichloroethene	90		88		70-130	2		20
trans-1,2-Dichloroethene	93		90		70-130	3		20
Trichloroethene	88		87		70-130	1		20
1,2-Dichlorobenzene	110		109		70-130	1		20
1,3-Dichlorobenzene	113		113		70-130	0		20
1,4-Dichlorobenzene	111		112		70-130	1		20
Methyl tert butyl ether	87		88		70-130	1		20
p/m-Xylene	103		102		70-130	1		20
o-Xylene	109		108		70-130	1		20
cis-1,2-Dichloroethene	90		89		70-130	1		20
Dibromomethane	81		80		70-130	1		20
1,2,3-Trichloropropane	111		110		70-130	1		20
Styrene	112		112		70-130	0		20
Dichlorodifluoromethane	104		101		70-130	3		20
Acetone	88		82		70-130	7		20
Carbon disulfide	77		74		70-130	4		20
2-Butanone	84		79		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909
Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG418211-1 WG418211-2								
4-Methyl-2-pentanone	90		88		70-130	2		20
2-Hexanone	99		97		70-130	2		20
Bromochloromethane	85		83		70-130	2		20
Tetrahydrofuran	82		79		70-130	4		20
2,2-Dichloropropane	100		99		70-130	1		20
1,2-Dibromoethane	94		92		70-130	2		20
1,3-Dichloropropane	98		97		70-130	1		20
1,1,1,2-Tetrachloroethane	101		100		70-130	1		20
Bromobenzene	107		108		70-130	1		20
n-Butylbenzene	117		115		70-130	2		20
sec-Butylbenzene	108		105		70-130	3		20
tert-Butylbenzene	103		103		70-130	0		20
o-Chlorotoluene	108		108		70-130	0		20
p-Chlorotoluene	114		113		70-130	1		20
1,2-Dibromo-3-chloropropane	95		94		70-130	1		20
Hexachlorobutadiene	97		96		70-130	1		20
Isopropylbenzene	106		106		70-130	0		20
p-Isopropyltoluene	114		113		70-130	1		20
Naphthalene	101		101		70-130	0		20
n-Propylbenzene	110		109		70-130	1		20
1,2,3-Trichlorobenzene	103		104		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909
Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG418211-1 WG418211-2								
1,2,4-Trichlorobenzene	115		114		70-130	1		20
1,3,5-Trimethylbenzene	108		108		70-130	0		20
1,2,4-Trimethylbenzene	112		111		70-130	1		20
Ethyl ether	91		91		70-130	0		20
Isopropyl Ether	89		88		70-130	1		20
Ethyl-Tert-Butyl-Ether	98		97		70-130	1		20
Tertiary-Amyl Methyl Ether	93		92		70-130	1		20
1,4-Dioxane	80		76		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	108		108		70-130
4-Bromofluorobenzene	103		104		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01 Batch: WG418211-4 WG418211-5								
Methylene chloride	87		83		70-130	5		20
1,1-Dichloroethane	91		87		70-130	4		20
Chloroform	86		83		70-130	4		20
Carbon tetrachloride	82		83		70-130	1		20
1,2-Dichloropropane	88		86		70-130	2		20
Dibromochloromethane	85		86		70-130	1		20
1,1,2-Trichloroethane	92		90		70-130	2		20
Tetrachloroethene	96		93		70-130	3		20
Chlorobenzene	95		93		70-130	2		20
Trichlorofluoromethane	84		81		70-130	4		20
1,2-Dichloroethane	83		82		70-130	1		20
1,1,1-Trichloroethane	86		82		70-130	5		20
Bromodichloromethane	85		83		70-130	2		20
trans-1,3-Dichloropropene	105		105		70-130	0		20
cis-1,3-Dichloropropene	83		81		70-130	2		20
1,1-Dichloropropene	84		80		70-130	5		20
Bromoform	89		88		70-130	1		20
1,1,2,2-Tetrachloroethane	96		94		70-130	2		20
Benzene	91		87		70-130	4		20
Toluene	96		94		70-130	2		20
Ethylbenzene	98		96		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01 Batch: WG418211-4 WG418211-5								
Chloromethane	71		**69**	Q	70-130	3		20
Bromomethane	110		102		70-130	8		20
Vinyl chloride	90		87		70-130	3		20
Chloroethane	107		102		70-130	5		20
1,1-Dichloroethene	90		85		70-130	6		20
trans-1,2-Dichloroethene	92		88		70-130	4		20
Trichloroethene	87		84		70-130	4		20
1,2-Dichlorobenzene	102		101		70-130	1		20
1,3-Dichlorobenzene	106		102		70-130	4		20
1,4-Dichlorobenzene	104		101		70-130	3		20
Methyl tert butyl ether	83		82		70-130	1		20
p/m-Xylene	99		98		70-130	1		20
o-Xylene	97		96		70-130	1		20
cis-1,2-Dichloroethene	88		84		70-130	5		20
Dibromomethane	79		77		70-130	3		20
1,2,3-Trichloropropane	102		102		70-130	0		20
Styrene	101		100		70-130	1		20
Dichlorodifluoromethane	100		94		70-130	6		20
Acetone	84		85		70-130	1		20
Carbon disulfide	**61**	Q	**58**	Q	70-130	5		20
2-Butanone	81		82		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01 Batch: WG418211-4 WG418211-5								
4-Methyl-2-pentanone	86		89		70-130	3		20
2-Hexanone	90		95		70-130	5		20
Bromochloromethane	87		83		70-130	5		20
Tetrahydrofuran	74		78		70-130	5		20
2,2-Dichloropropane	100		96		70-130	4		20
1,2-Dibromoethane	91		88		70-130	3		20
1,3-Dichloropropane	96		94		70-130	2		20
1,1,1,2-Tetrachloroethane	96		94		70-130	2		20
Bromobenzene	104		100		70-130	4		20
n-Butylbenzene	103		100		70-130	3		20
sec-Butylbenzene	99		94		70-130	5		20
tert-Butylbenzene	97		92		70-130	5		20
o-Chlorotoluene	104		98		70-130	6		20
p-Chlorotoluene	108		104		70-130	4		20
1,2-Dibromo-3-chloropropane	84		85		70-130	1		20
Hexachlorobutadiene	84		82		70-130	2		20
Isopropylbenzene	102		97		70-130	5		20
p-Isopropyltoluene	105		101		70-130	4		20
Naphthalene	100		97		70-130	3		20
n-Propylbenzene	104		99		70-130	5		20
1,2,3-Trichlorobenzene	93		92		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909
Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01 Batch: WG418211-4 WG418211-5								
1,2,4-Trichlorobenzene	105		104		70-130	1		20
1,3,5-Trimethylbenzene	102		98		70-130	4		20
1,2,4-Trimethylbenzene	105		102		70-130	3		20
Ethyl ether	86		85		70-130	1		20
Isopropyl Ether	81		79		70-130	3		20
Ethyl-Tert-Butyl-Ether	92		89		70-130	3		20
Tertiary-Amyl Methyl Ether	86		84		70-130	2		20
1,4-Dioxane	73		78		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	108		108		70-130
4-Bromofluorobenzene	104		102		70-130
Dibromofluoromethane	94		94		70-130

SEMIVOLATILES

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID:	L1008720-01	Date Collected:	06/10/10 08:00
Client ID:	LAL LOAM	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	06/22/10 01:38
Analytical Date:	06/28/10 00:01		
Analyst:	PS		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	400	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	--	1
Hexachlorobenzene	ND		ug/kg	400	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	400	--	1
2-Chloronaphthalene	ND		ug/kg	400	--	1
1,2-Dichlorobenzene	ND		ug/kg	400	--	1
1,3-Dichlorobenzene	ND		ug/kg	400	--	1
1,4-Dichlorobenzene	ND		ug/kg	400	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	790	--	1
2,4-Dinitrotoluene	ND		ug/kg	400	--	1
2,6-Dinitrotoluene	ND		ug/kg	400	--	1
Azobenzene	ND		ug/kg	400	--	1
Fluoranthene	1200		ug/kg	400	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	400	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	400	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	400	--	1
Hexachlorobutadiene	ND		ug/kg	790	--	1
Hexachloroethane	ND		ug/kg	400	--	1
Isophorone	ND		ug/kg	400	--	1
Naphthalene	ND		ug/kg	400	--	1
Nitrobenzene	ND		ug/kg	400	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	790	--	1
Butyl benzyl phthalate	ND		ug/kg	400	--	1
Di-n-butylphthalate	ND		ug/kg	400	--	1
Di-n-octylphthalate	ND		ug/kg	400	--	1
Diethyl phthalate	ND		ug/kg	400	--	1
Dimethyl phthalate	ND		ug/kg	400	--	1
Benzo(a)anthracene	620		ug/kg	400	--	1
Benzo(a)pyrene	570		ug/kg	400	--	1
Benzo(b)fluoranthene	900		ug/kg	400	--	1

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID: L1008720-01 Date Collected: 06/10/10 08:00

Client ID: LAL LOAM Date Received: 06/10/10

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Benzo(k)fluoranthene	ND		ug/kg	400	--	1
Chrysene	700		ug/kg	400	--	1
Acenaphthylene	ND		ug/kg	400	--	1
Anthracene	ND		ug/kg	400	--	1
Benzo(ghi)perylene	ND		ug/kg	400	--	1
Fluorene	ND		ug/kg	400	--	1
Phenanthrene	740		ug/kg	400	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	400	--	1
Indeno(1,2,3-cd)Pyrene	400		ug/kg	400	--	1
Pyrene	1000		ug/kg	400	--	1
Aniline	ND		ug/kg	790	--	1
4-Chloroaniline	ND		ug/kg	400	--	1
Dibenzofuran	ND		ug/kg	400	--	1
2-Methylnaphthalene	ND		ug/kg	400	--	1
Acetophenone	ND		ug/kg	790	--	1
2,4,6-Trichlorophenol	ND		ug/kg	400	--	1
2-Chlorophenol	ND		ug/kg	480	--	1
2,4-Dichlorophenol	ND		ug/kg	790	--	1
2,4-Dimethylphenol	ND		ug/kg	400	--	1
2-Nitrophenol	ND		ug/kg	1600	--	1
4-Nitrophenol	ND		ug/kg	790	--	1
2,4-Dinitrophenol	ND		ug/kg	1600	--	1
Pentachlorophenol	ND		ug/kg	1600	--	1
Phenol	ND		ug/kg	550	--	1
2-Methylphenol	ND		ug/kg	480	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	480	--	1
2,4,5-Trichlorophenol	ND		ug/kg	400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		30-130
Phenol-d6	58		30-130
Nitrobenzene-d5	42		30-130
2-Fluorobiphenyl	61		30-130
2,4,6-Tribromophenol	79		30-130
4-Terphenyl-d14	75		30-130

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 06/25/10 00:17
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/22/10 01:38

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG419145-1					
Acenaphthene	ND		ug/kg	310	--
1,2,4-Trichlorobenzene	ND		ug/kg	310	--
Hexachlorobenzene	ND		ug/kg	310	--
Bis(2-chloroethyl)ether	ND		ug/kg	310	--
2-Chloronaphthalene	ND		ug/kg	310	--
1,2-Dichlorobenzene	ND		ug/kg	310	--
1,3-Dichlorobenzene	ND		ug/kg	310	--
1,4-Dichlorobenzene	ND		ug/kg	310	--
3,3'-Dichlorobenzidine	ND		ug/kg	630	--
2,4-Dinitrotoluene	ND		ug/kg	310	--
2,6-Dinitrotoluene	ND		ug/kg	310	--
Azobenzene	ND		ug/kg	310	--
Fluoranthene	ND		ug/kg	310	--
4-Bromophenyl phenyl ether	ND		ug/kg	310	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	310	--
Bis(2-chloroethoxy)methane	ND		ug/kg	310	--
Hexachlorobutadiene	ND		ug/kg	630	--
Hexachloroethane	ND		ug/kg	310	--
Isophorone	ND		ug/kg	310	--
Naphthalene	ND		ug/kg	310	--
Nitrobenzene	ND		ug/kg	310	--
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	630	--
Butyl benzyl phthalate	ND		ug/kg	310	--
Di-n-butylphthalate	ND		ug/kg	310	--
Di-n-octylphthalate	ND		ug/kg	310	--
Diethyl phthalate	ND		ug/kg	310	--
Dimethyl phthalate	ND		ug/kg	310	--
Benzo(a)anthracene	ND		ug/kg	310	--
Benzo(a)pyrene	ND		ug/kg	310	--
Benzo(b)fluoranthene	ND		ug/kg	310	--
Benzo(k)fluoranthene	ND		ug/kg	310	--

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 06/25/10 00:17
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/22/10 01:38

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG419145-1					
Chrysene	ND		ug/kg	310	--
Acenaphthylene	ND		ug/kg	310	--
Anthracene	ND		ug/kg	310	--
Benzo(ghi)perylene	ND		ug/kg	310	--
Fluorene	ND		ug/kg	310	--
Phenanthrene	ND		ug/kg	310	--
Dibenzo(a,h)anthracene	ND		ug/kg	310	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	310	--
Pyrene	ND		ug/kg	310	--
Aniline	ND		ug/kg	630	--
4-Chloroaniline	ND		ug/kg	310	--
Dibenzofuran	ND		ug/kg	310	--
2-Methylnaphthalene	ND		ug/kg	310	--
Acetophenone	ND		ug/kg	630	--
2,4,6-Trichlorophenol	ND		ug/kg	310	--
2-Chlorophenol	ND		ug/kg	380	--
2,4-Dichlorophenol	ND		ug/kg	630	--
2,4-Dimethylphenol	ND		ug/kg	310	--
2-Nitrophenol	ND		ug/kg	1200	--
4-Nitrophenol	ND		ug/kg	630	--
2,4-Dinitrophenol	ND		ug/kg	1200	--
Pentachlorophenol	ND		ug/kg	1200	--
Phenol	ND		ug/kg	440	--
2-Methylphenol	ND		ug/kg	380	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	380	--
2,4,5-Trichlorophenol	ND		ug/kg	310	--

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 06/25/10 00:17
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/22/10 01:38

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01 Batch: WG419145-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		30-130
Phenol-d6	61		30-130
Nitrobenzene-d5	66		30-130
2-Fluorobiphenyl	63		30-130
2,4,6-Tribromophenol	58		30-130
4-Terphenyl-d14	73		30-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG419145-2 WG419145-3								
Acenaphthene	79		77		40-140	3		30
1,2,4-Trichlorobenzene	76		72		40-140	5		30
Hexachlorobenzene	80		80		40-140	0		30
Bis(2-chloroethyl)ether	80		73		40-140	9		30
2-Chloronaphthalene	119		94		40-140	23		30
1,2-Dichlorobenzene	84		74		40-140	13		30
1,3-Dichlorobenzene	75		69		40-140	8		30
1,4-Dichlorobenzene	80		71		40-140	12		30
3,3'-Dichlorobenzidine	73		72		40-140	1		30
2,4-Dinitrotoluene	86		89		40-140	3		30
2,6-Dinitrotoluene	82		82		40-140	0		30
Azobenzene	96		101		40-140	5		30
Fluoranthene	87		94		40-140	8		30
4-Bromophenyl phenyl ether	86		88		40-140	2		30
Bis(2-chloroisopropyl)ether	77		67		40-140	14		30
Bis(2-chloroethoxy)methane	79		70		40-140	12		30
Hexachlorobutadiene	86		83		40-140	4		30
Hexachloroethane	88		80		40-140	10		30
Isophorone	85		81		40-140	5		30
Naphthalene	86		79		40-140	8		30
Nitrobenzene	86		79		40-140	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG419145-2 WG419145-3								
Bis(2-Ethylhexyl)phthalate	114		118		40-140	3		30
Butyl benzyl phthalate	92		97		40-140	5		30
Di-n-butylphthalate	101		104		40-140	3		30
Di-n-octylphthalate	113		110		40-140	3		30
Diethyl phthalate	95		96		40-140	1		30
Dimethyl phthalate	87		90		40-140	3		30
Benzo(a)anthracene	92		95		40-140	3		30
Benzo(a)pyrene	80		84		40-140	5		30
Benzo(b)fluoranthene	96		101		40-140	5		30
Benzo(k)fluoranthene	100		104		40-140	4		30
Chrysene	86		86		40-140	0		30
Acenaphthylene	86		82		40-140	5		30
Anthracene	89		93		40-140	4		30
Benzo(ghi)perylene	86		87		40-140	1		30
Fluorene	85		84		40-140	1		30
Phenanthrene	86		89		40-140	3		30
Dibenzo(a,h)anthracene	93		94		40-140	1		30
Indeno(1,2,3-cd)Pyrene	89		91		40-140	2		30
Pyrene	81		86		40-140	6		30
Aniline	53		48		40-140	10		30
4-Chloroaniline	81		78		40-140	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG419145-2 WG419145-3								
Dibenzofuran	83		84		40-140	1		30
2-Methylnaphthalene	84		82		40-140	2		30
Acetophenone	106		99		40-140	7		30
2,4,6-Trichlorophenol	80		83		30-130	4		30
2-Chlorophenol	86		81		30-130	6		30
2,4-Dichlorophenol	83		83		30-130	0		30
2,4-Dimethylphenol	91		89		30-130	2		30
2-Nitrophenol	82		78		30-130	5		30
4-Nitrophenol	96		107		30-130	11		30
2,4-Dinitrophenol	**28**	Q	31		30-130	10		30
Pentachlorophenol	53		56		30-130	6		30
Phenol	84		79		30-130	6		30
2-Methylphenol	88		78		30-130	12		30
3-Methylphenol/4-Methylphenol	89		85		30-130	5		30
2,4,5-Trichlorophenol	79		84		30-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER RD.

Project Number: 169909

Lab Number: L1008720

Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG419145-2 WG419145-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	91		82		30-130
Phenol-d6	89		78		30-130
Nitrobenzene-d5	95		85		30-130
2-Fluorobiphenyl	91		85		30-130
2,4,6-Tribromophenol	93		91		30-130
4-Terphenyl-d14	83		85		30-130

PETROLEUM HYDROCARBONS

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID:	L1008720-01	Date Collected:	06/10/10 08:00
Client ID:	LAL LOAM	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	100,VPH-04-1.1		
Analytical Date:	06/12/10 04:31		
Analyst:	GK		
Percent Solids:	82%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Were samples received in methanol?	Yes (Covering the Soil)
Methanol ratio:	1:1 +/- 25%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Petroleum Hydrocarbons - Westborough Lab						
C5-C8 Aliphatics	ND		mg/kg	3.47	--	1
C9-C12 Aliphatics	ND		mg/kg	3.47	--	1
C9-C10 Aromatics	ND		mg/kg	3.47	--	1
C5-C8 Aliphatics, Adjusted	ND		mg/kg	3.47	--	1
C9-C12 Aliphatics, Adjusted	ND		mg/kg	3.47	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	100		70-130
2,5-Dibromotoluene-FID	83		70-130

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID:	L1008720-01	Date Collected:	06/10/10 08:00
Client ID:	LAL LOAM	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	06/21/10 16:11
Analytical Date:	06/23/10 18:50	Cleanup Method1:	EPH-04-1
Analyst:	NR	Cleanup Date1:	06/23/10
Percent Solids:	82%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	8.06	--	1
C19-C36 Aliphatics	ND		mg/kg	8.06	--	1
C11-C22 Aromatics, Unadjusted	ND		mg/kg	8.06	--	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	8.06	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	56		40-140
o-Terphenyl	61		40-140
2-Fluorobiphenyl	75		40-140
2-Bromonaphthalene	76		40-140

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 100,VPH-04-1.1
Analytical Date: 06/11/10 13:59
Analyst: GK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Petroleum Hydrocarbons - Westborough Lab for sample(s): 01 Batch: WG417398-3					
C5-C8 Aliphatics	ND		mg/kg	2.67	--
C9-C12 Aliphatics	ND		mg/kg	2.67	--
C9-C10 Aromatics	ND		mg/kg	2.67	--
C5-C8 Aliphatics, Adjusted	ND		mg/kg	2.67	--
C9-C12 Aliphatics, Adjusted	ND		mg/kg	2.67	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,5-Dibromotoluene-PID	126		70-130
2,5-Dibromotoluene-FID	102		70-130

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 98,EPH-04-1.1
Analytical Date: 06/23/10 18:12
Analyst: NR

Extraction Method: EPA 3546
Extraction Date: 06/21/10 16:11
Cleanup Method1: EPH-04-1
Cleanup Date1: 06/23/10

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01 Batch: WG419046-1					
C9-C18 Aliphatics	ND		mg/kg	6.67	--
C19-C36 Aliphatics	ND		mg/kg	6.67	--
C11-C22 Aromatics, Unadjusted	ND		mg/kg	6.67	--
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.67	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	59		40-140
o-Terphenyl	44		40-140
2-Fluorobiphenyl	81		40-140
2-Bromonaphthalene	83		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG417398-1 WG417398-2								
C5-C8 Aliphatics	98		94		70-130	4		25
C9-C12 Aliphatics	107		106		70-130	1		25
C9-C10 Aromatics	123		118		70-130	4		25
Benzene	116		113		70-130	3		25
Toluene	123		119		70-130	3		25
Ethylbenzene	126		122		70-130	3		25
p/m-Xylene	123		120		70-130	2		25
o-Xylene	122		119		70-130	2		25
Methyl tert butyl ether	95		94		70-130	1		25
Naphthalene	103		100		70-130	3		25
1,2,4-Trimethylbenzene	123		120		70-130	2		25
Pentane	71		76		70-130	7		25
2-Methylpentane	76		74		70-130	4		25
2,2,4-Trimethylpentane	93		92		70-130	2		25
n-Nonane	102		100		30-130	2		25
n-Decane	112		111		70-130	1		25
n-Butylcyclohexane	100		99		70-130	1		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909
Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG417398-1 WG417398-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,5-Dibromotoluene-PID	120		117		70-130
2,5-Dibromotoluene-FID	97		95		70-130

Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG419046-2 WG419046-3								
C9-C18 Aliphatics	44		66		40-140	**40**	Q	25
C19-C36 Aliphatics	54		80		40-140	**39**	Q	25
C11-C22 Aromatics	49		73		40-140	**39**	Q	25
Naphthalene	46		73		40-140	**45**	Q	25
2-Methylnaphthalene	50		78		40-140	**44**	Q	25
Acenaphthylene	50		78		40-140	**44**	Q	25
Acenaphthene	48		73		40-140	**41**	Q	25
Fluorene	49		74		40-140	**41**	Q	25
Phenanthrene	52		78		40-140	**40**	Q	25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG419046-2 WG419046-3								
Anthracene	50		73		40-140	**37**	Q	25
Fluoranthene	50		74		40-140	**39**	Q	25
Pyrene	51		75		40-140	**38**	Q	25
Benzo(a)anthracene	50		73		40-140	**37**	Q	25
Chrysene	50		73		40-140	**37**	Q	25
Benzo(b)fluoranthene	50		73		40-140	**37**	Q	25
Benzo(k)fluoranthene	50		72		40-140	**36**	Q	25
Benzo(a)pyrene	46		67		40-140	**37**	Q	25
Indeno(1,2,3-cd)Pyrene	44		65		40-140	**39**	Q	25
Dibenzo(a,h)anthracene	42		61		40-140	**37**	Q	25
Benzo(ghi)perylene	43		62		40-140	**36**	Q	25
Nonane (C9)	35		53		30-140	**41**	Q	25
Decane (C10)	40		61		40-140	**42**	Q	25
Dodecane (C12)	44		66		40-140	**40**	Q	25
Tetradecane (C14)	47		72		40-140	**42**	Q	25
Hexadecane (C16)	50		76		40-140	**41**	Q	25
Octadecane (C18)	52		78		40-140	**40**	Q	25
Nonadecane (C19)	53		79		40-140	**39**	Q	25
Eicosane (C20)	52		78		40-140	**40**	Q	25
Docosane (C22)	53		79		40-140	**39**	Q	25
Tetracosane (C24)	54		80		40-140	**39**	Q	25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909
Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01 Batch: WG419046-2 WG419046-3								
Hexacosane (C26)	54		80		40-140	**39**	Q	25
Octacosane (C28)	53		78		40-140	**38**	Q	25
Triacontane (C30)	55		82		40-140	**39**	Q	25
Hexatriacontane (C36)	56		81		40-140	**36**	Q	25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	43		67		40-140
o-Terphenyl	46		68		40-140
2-Fluorobiphenyl	77		91		40-140
2-Bromonaphthalene	79		92		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

Fractionation Check Standard
Quality Control

Fractionation check standard for 201004218

Parameter	% Recovery	QC Criteria
C9-C18 Aliphatics	79	40-140
C19-C36 Aliphatics	90	40-140
C11-C22 Aromatics	85	40-140
Naphthalene	80	40-140
2-Methylnaphthalene	80	40-140
Acenaphthylene	75	40-140
Acenaphthene	81	40-140
Fluorene	78	40-140
Phenanthrene	82	40-140
Anthracene	80	40-140
Fluoranthene	80	40-140
Pyrene	81	40-140
Benzo(a)anthracene	74	40-140
Chrysene	76	40-140
Benzo(b)fluoranthene	72	40-140
Benzo(k)fluoranthene	79	40-140
Benzo(a)pyrene	66	40-140
Indeno(1,2,3-cd)Pyrene	75	40-140
Dibenzo(a,h)anthracene	72	40-140
Benzo(g,h,i)perylene	76	40-140
Nonane	42	30-140
Decane	75	40-140
Dodecane	79	40-140
Tetradecane	83	40-140
Hexadecane	87	40-140
Octadecane	90	40-140
Nonadecane	90	40-140
Eicosane	90	40-140
Docosane	91	40-140
Tetracosane	91	40-140
Hexacosane	90	40-140
Octacosane	90	40-140
Triacontane	90	40-140
Hexatriacontane	88	40-140
% Naphthalene Breakthrough	0	0-5
% 2-Methylnaphthalene Breakthrough	0	0-5

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Fractionation Check Standard
Quality Control

Fractionation check standard for 201004218

Surrogate	% Recovery	QC Criteria
Chloro-Octadecane	79	40-140
o-Terphenyl	75	40-140
2-Fluorobiphenyl	76	40-140
2-Bromonaphthalene	80	40-140

PCBS

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID:	L1008720-01	Date Collected:	06/10/10 08:00
Client ID:	LAL LOAM	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	97,8082	Extraction Date:	06/19/10 05:18
Analytical Date:	06/23/10 10:41	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	06/23/10
Percent Solids:	82%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	06/23/10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	42.3	--	1
Aroclor 1221	ND		ug/kg	42.3	--	1
Aroclor 1232	ND		ug/kg	42.3	--	1
Aroclor 1242	ND		ug/kg	42.3	--	1
Aroclor 1248	ND		ug/kg	42.3	--	1
Aroclor 1254	ND		ug/kg	42.3	--	1
Aroclor 1260	ND		ug/kg	42.3	--	1
Aroclor 1262	ND		ug/kg	42.3	--	1
Aroclor 1268	ND		ug/kg	42.3	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	61		30-150	B
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	70		30-150	A

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082
Analytical Date: 06/23/10 12:20
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 06/19/10 05:18
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/23/10
Cleanup Method2: EPA 3660B
Cleanup Date2: 06/23/10

Parameter	Result	Qualifier	Units	RL	MDL
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 01 Batch: WG418854-1					
Aroclor 1016	ND		ug/kg	33.3	--
Aroclor 1221	ND		ug/kg	33.3	--
Aroclor 1232	ND		ug/kg	33.3	--
Aroclor 1242	ND		ug/kg	33.3	--
Aroclor 1248	ND		ug/kg	33.3	--
Aroclor 1254	ND		ug/kg	33.3	--
Aroclor 1260	ND		ug/kg	33.3	--
Aroclor 1262	ND		ug/kg	33.3	--
Aroclor 1268	ND		ug/kg	33.3	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	97		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER RD.

Project Number: 169909

Lab Number: L1008720

Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 01 Batch: WG418854-2 WG418854-3								
Aroclor 1016	132		128		40-140	3		30
Aroclor 1260	79		98		40-140	21		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	125		102		30-150	B
Decachlorobiphenyl	102		85		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		99		30-150	A
Decachlorobiphenyl	79		106		30-150	A

PESTICIDES

Project Name: 246 RIVER RD.
Project Number: 169909
Lab Number: L1008720
Report Date: 06/28/10

SAMPLE RESULTS

Lab ID:	L1008720-01	Date Collected:	06/10/10 08:00
Client ID:	LAL LOAM	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	97,8151A	Extraction Date:	06/14/10 15:48
Analytical Date:	06/17/10 14:06		
Analyst:	JB		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Chlorinated Herbicides - Westborough Lab						
MCPA	9400	P	ug/kg	4000	--	1
Dinoseb	48		ug/kg	40	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	104		30-150	A
DCAA	107		30-150	B

Project Name: 246 RIVER RD.
Project Number: 169909
Lab Number: L1008720
Report Date: 06/28/10

SAMPLE RESULTS

Lab ID:	L1008720-01	Date Collected:	06/10/10 08:00
Client ID:	LAL LOAM	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	97,8151A	Extraction Date:	06/14/10 15:48
Analytical Date:	06/17/10 14:06		
Analyst:	JB		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Chlorinated Herbicides - Westborough Lab						
MCPP	ND		ug/kg	4000	--	1
Dalapon	ND		ug/kg	40	--	1
Dicamba	ND		ug/kg	40	--	1
Dichloroprop	ND		ug/kg	40	--	1
2,4-D	ND		ug/kg	40	--	1
2,4-DB	ND		ug/kg	40	--	1
2,4,5-T	ND		ug/kg	40	--	1
2,4,5-TP (Silvex)	ND		ug/kg	40	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	104		30-150	A
DCAA	107		30-150	B

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

SAMPLE RESULTS

Lab ID:	L1008720-01 D	Date Collected:	06/10/10 08:00
Client ID:	LAL LOAM	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8081A	Extraction Date:	06/21/10 22:15
Analytical Date:	06/23/10 19:38	Cleanup Method1:	EPA 3620B
Analyst:	SH	Cleanup Date1:	06/22/10
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Organochlorine Pesticides - Westborough Lab						
Delta-BHC	ND		ug/kg	48.4	--	5
Lindane	ND		ug/kg	16.1	--	5
Alpha-BHC	ND		ug/kg	20.2	--	5
Beta-BHC	ND		ug/kg	48.4	--	5
Heptachlor	ND		ug/kg	24.2	--	5
Aldrin	ND		ug/kg	48.4	--	5
Heptachlor epoxide	ND		ug/kg	90.7	--	5
Endrin	ND		ug/kg	20.2	--	5
Endrin ketone	ND		ug/kg	48.4	--	5
Dieldrin	ND		ug/kg	30.2	--	5
4,4'-DDE	ND		ug/kg	48.4	--	5
4,4'-DDD	ND		ug/kg	48.4	--	5
4,4'-DDT	ND		ug/kg	90.7	--	5
Endosulfan I	ND		ug/kg	48.4	--	5
Endosulfan II	ND		ug/kg	48.4	--	5
Endosulfan sulfate	ND		ug/kg	20.2	--	5
Methoxychlor	ND		ug/kg	90.7	--	5
Chlordane	ND		ug/kg	393	--	5
Hexachlorobenzene	ND		ug/kg	48.4	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8151A
Analytical Date: 06/17/10 09:04
Analyst: JB

Extraction Method: EPA 8151A
Extraction Date: 06/14/10 15:35

Parameter	Result	Qualifier	Units	RL	MDL
MCP Chlorinated Herbicides - Westborough Lab for sample(s): 01 Batch: WG417838-1					
MCPP	ND		ug/kg	3200	--
MCPA	ND		ug/kg	3200	--
Dalapon	ND		ug/kg	32	--
Dicamba	ND		ug/kg	32	--
Dichloroprop	ND		ug/kg	32	--
2,4-D	ND		ug/kg	32	--
2,4-DB	ND		ug/kg	32	--
2,4,5-T	ND		ug/kg	32	--
2,4,5-TP (Silvex)	ND		ug/kg	32	--
Dinoseb	ND		ug/kg	32	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	88		30-150	A
DCAA	97		30-150	B

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8081A
Analytical Date: 06/23/10 11:32
Analyst: SH

Extraction Method: EPA 3546
Extraction Date: 06/21/10 22:15
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/22/10

Parameter	Result	Qualifier	Units	RL	MDL
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01 Batch: WG419616-1					
Delta-BHC	ND		ug/kg	8.05	--
Lindane	ND		ug/kg	2.68	--
Alpha-BHC	ND		ug/kg	3.36	--
Beta-BHC	ND		ug/kg	8.05	--
Heptachlor	ND		ug/kg	4.03	--
Aldrin	ND		ug/kg	8.05	--
Heptachlor epoxide	ND		ug/kg	15.1	--
Endrin	ND		ug/kg	3.36	--
Endrin ketone	ND		ug/kg	8.05	--
Dieldrin	ND		ug/kg	5.03	--
4,4'-DDE	ND		ug/kg	8.05	--
4,4'-DDD	ND		ug/kg	8.05	--
4,4'-DDT	ND		ug/kg	15.1	--
Endosulfan I	ND		ug/kg	8.05	--
Endosulfan II	ND		ug/kg	8.05	--
Endosulfan sulfate	ND		ug/kg	3.36	--
Methoxychlor	ND		ug/kg	15.1	--
Chlordane	ND		ug/kg	65.4	--
Hexachlorobenzene	ND		ug/kg	8.05	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	122		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909
Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Chlorinated Herbicides - Westborough Lab Associated sample(s): 01 Batch: WG417838-2 WG417838-3								
MCPP	101		93		40-140	8		30
MCPA	90		81		40-140	11		30
Dalapon	77		76		40-140	1		30
Dicamba	101		90		40-140	12		30
Dichloroprop	97		89		40-140	9		30
2,4-D	107		103		40-140	4		30
2,4-DB	112		105		40-140	6		30
2,4,5-T	79		72		40-140	9		30
2,4,5-TP (Silvex)	100		91		40-140	9		30
Dinoseb	**14**	Q	**12**	Q	40-140	15		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	100		84		30-150	A
DCAA	101		92		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG419616-2 WG419616-3								
Delta-BHC	78		119		40-140	**42**	Q	30
Lindane	74		114		40-140	**43**	Q	30
Alpha-BHC	76		118		40-140	**43**	Q	30
Beta-BHC	72		110		40-140	**42**	Q	30
Heptachlor	72		113		40-140	**44**	Q	30
Aldrin	80		122		40-140	**42**	Q	30
Heptachlor epoxide	77		116		40-140	**40**	Q	30
Endrin	76		119		40-140	**44**	Q	30
Endrin ketone	74		113		40-140	**42**	Q	30
Dieldrin	82		123		40-140	**40**	Q	30
4,4'-DDE	77		116		40-140	**40**	Q	30
4,4'-DDD	80		120		40-140	**40**	Q	30
4,4'-DDT	78		125		40-140	**46**	Q	30
Endosulfan I	78		113		40-140	**37**	Q	30
Endosulfan II	79		117		40-140	**39**	Q	30
Endosulfan sulfate	76		115		40-140	**41**	Q	30
Methoxychlor	79		116		40-140	**38**	Q	30
Hexachlorobenzene	53		79		40-140	**39**	Q	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 246 RIVER RD.

Project Number: 169909

Lab Number: L1008720

Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01 Batch: WG419616-2 WG419616-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		117		30-150	A
Decachlorobiphenyl	87		112		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		106		30-150	B
Decachlorobiphenyl	93		120		30-150	B

METALS

Project Name:	246 RIVER RD.	**Lab Number:**	L1008720
Project Number:	169909	**Report Date:**	06/28/10

SAMPLE RESULTS

Lab ID:	L1008720-01	Date Collected:	06/10/10 08:00
Client ID:	LAL LOAM	Date Received:	06/10/10
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab											
Arsenic, Total	5.1		mg/kg	0.49	--	1	06/11/10 11:37	06/14/10 16:56	EPA 3050B	97,6010B	MG
Barium, Total	35		mg/kg	0.49	--	1	06/11/10 11:37	06/14/10 16:56	EPA 3050B	97,6010B	MG
Cadmium, Total	ND		mg/kg	0.49	--	1	06/11/10 11:37	06/14/10 16:56	EPA 3050B	97,6010B	MG
Chromium, Total	9.1		mg/kg	0.49	--	1	06/11/10 11:37	06/14/10 16:56	EPA 3050B	97,6010B	MG
Lead, Total	91		mg/kg	2.4	--	1	06/11/10 11:37	06/14/10 16:56	EPA 3050B	97,6010B	MG
Mercury, Total	ND		mg/kg	0.09	--	1	06/22/10 12:53	06/23/10 15:43	EPA 7471A	97,7471A	EZ
Selenium, Total	ND		mg/kg	2.4	--	1	06/11/10 11:37	06/14/10 16:56	EPA 3050B	97,6010B	MG
Silver, Total	ND		mg/kg	0.49	--	1	06/11/10 11:37	06/14/10 16:56	EPA 3050B	97,6010B	MG

Project Name: 246 RIVER RD. **Lab Number:** L1008720

Project Number: 169909 **Report Date:** 06/28/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG417617-1										
Arsenic, Total	ND		mg/kg	0.40	--	1	06/11/10 11:37	06/14/10 16:26	97,6010B	MG
Barium, Total	ND		mg/kg	0.40	--	1	06/11/10 11:37	06/14/10 16:26	97,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	--	1	06/11/10 11:37	06/14/10 16:26	97,6010B	MG
Chromium, Total	ND		mg/kg	0.40	--	1	06/11/10 11:37	06/14/10 16:26	97,6010B	MG
Lead, Total	ND		mg/kg	2.0	--	1	06/11/10 11:37	06/14/10 16:26	97,6010B	MG
Selenium, Total	ND		mg/kg	2.0	--	1	06/11/10 11:37	06/14/10 16:26	97,6010B	MG
Silver, Total	ND		mg/kg	0.40	--	1	06/11/10 11:37	06/14/10 16:26	97,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 01 Batch: WG419285-1										
Mercury, Total	ND		mg/kg	0.08	--	1	06/22/10 12:53	06/23/10 15:37	97,7471A	EZ

Prep Information

Digestion Method: EPA 7471A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG417617-2 WG417617-3								
Arsenic, Total	87		94		80-120	8		30
Barium, Total	86		93		79-121	8		30
Cadmium, Total	87		90		82-118	3		30
Chromium, Total	88		93		80-120	6		30
Lead, Total	90		97		80-120	7		30
Selenium, Total	85		95		79-122	11		30
Silver, Total	91		100		66-134	9		30
MCP Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG419285-2 WG419285-3								
Mercury, Total	115		99		68-133	15		30

INORGANICS
&
MISCELLANEOUS

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

SAMPLE RESULTS

Lab ID: L1008720-01
Client ID: LAL LOAM
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 06/10/10 08:00
Date Received: 06/10/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82		%	0.10	NA	1	-	06/16/10 14:52	30,2540G	AC

Lab Duplicate Analysis
Batch Quality Control

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG418265-1 QC Sample: L1008889-08 Client ID: DUP Sample						
Solids, Total	47	44	%	7		20

Project Name: 246 RIVER RD.
Project Number: 169909

Lab Number: L1008720
Report Date: 06/28/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/11/2010 01:21

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1008720-01A	Vial MeOH preserved	A	N/A	4	Y	Absent	VPH-10(28),MCP-8260HLW-10(14)
L1008720-01B	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1008720-01C	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1008720-01D	Plastic 2oz unpreserved for TS	A	N/A	4	Y	Absent	TS(7)
L1008720-01E	Amber 250ml unpreserved	A	N/A	4	Y	Absent	EPH-10(14),MCP-8082-10(),MCP-8081-10(14),MCP-8151-10(14),MCP-8270-10(14)
L1008720-01F	Amber 250ml unpreserved	A	N/A	4	Y	Absent	MCP-CR-6010T-10(180),MCP-AS-6010T-10(180),MCP-7471T-10(28),MCP-CD-6010T-10(180),MCP-AG-6010T-10(180),MCP-SE-6010T-10(180),MCP-BA-6010T-10(180),MCP-PB-6010T-10(180)
L1008720-02A	Vial MeOH preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1008720-02B	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)
L1008720-02C	Vial water preserved	A	N/A	4	Y	Absent	MCP-8260HLW-10(14)

*Values in parentheses indicate holding time in days

Project Name:	246 RIVER RD.	**Lab Number:**	L1008720
Project Number:	169909	**Report Date:**	06/28/10

GLOSSARY

Acronyms

EPA	· Environmental Protection Agency.
LCS	· Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	· Laboratory Control Sample Duplicate: Refer to LCS.
MDL	· Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	· Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	· Matrix Spike Sample Duplicate: Refer to MS.
NA	· Not Applicable.
NC	· Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	· Not Ignitable.
RL	· Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	· Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
Q	- The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.

Report Format: Data Usability Report

Project Name:	246 RIVER RD.	**Lab Number:**	L1008720
Project Number:	169909	**Report Date:**	06/28/10

Data Qualifiers

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: 246 RIVER RD. **Lab Number:** L1008720
Project Number: 169909 **Report Date:** 06/28/10

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

98 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, May 2004, Revision 1.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, July 2010.

100 Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MassDEP, May 2004, Revision 1.1 with QC Requirements & Performance Standards for the Analysis of VPH under the Massachusetts Contingency Plan, WSC-CAM-IVA, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised June 17, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 314, 120.1, 9050A , 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/10/10

ALPHA Job #: L100 8720

Client Information

Client: TRC SOLUTIONS

Address: 650 SUFFOLK ST

WANNALANCIT MILLS LOWELL MA.

Phone: 978-970-5600

Fax:

Email: JFIERO@TRCSOLUTIONS.COM DPETTITG " " "

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 246 RIVER RD.

Project Location: NEW BEDFORD MA

Project #: 169909

Project Manager: TOM B. / DAVID P.

ALPHA Quote #:

Turn-Around Time

☑ Standard LOAM ☑ RUSH (only confirmed if pre-approved!) NSP-2

Date Due: 6/24/10 4:48 PM Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MA Criteria MCP & COM 97.

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC, 8260 HI LOW	TPH DRO	PCB	SVOC 8270	RCRA 5 METALS.	RCRA 8 METALS.	EPH / VPH MADEP	TOTAL SOLIDS.	CONDUCTIVITY	PESTICIDE / HERBICIDE.	TCLP Pb IF 20X		Sample Specific Comments	TOTAL # BOTTLES
8720.1	LAL LOAM	6/10	8:00	SOIL	JF	✓		✓	✓		✓	✓	✓		✓			STANDARD TAT	6
	NSP 2	6/10	10:30	SOIL	JF	✓	✓	✓	✓	✓			✓	✓		H		RUSH	6
.2	TRIP BLANK					✓													

Container Type	VOA	P	P	P	P	P	P VOA	P	P	P	P
Preservative	MeOH DI	NA	NA	NA	NA	NA	MeOH DI	NA	NA	NA	NA

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Jason C. Fiero	6/10 13:45	WIR	6/10/10 13:45
P. Williams	6/10/10 17:45	P. Williams / [illegible]	6/10/10 16:20 / 6/10/10 17:45

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1008720

Instrument ID: Newman.i Calibration Date: 15-JUN-2010 Time: 14:03

Lab File ID: 0615N01.D Init. Calib. Date(s): 19-MAY-2 19-MAY-2

Sample No: 8260 CCAL Init. Calib. Times : 19:58 23:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.38792	.40497	.05	-4	20	
chloromethane	.21046	.14515	.05	31	20	F
vinyl chloride	.17831	.16649	.05	7	20	
bromomethane	.24876	.25551	.05	-3	20	
chloroethane	.14969	.16476	.05	-10	20	
trichlorofluoromethane	.71126	.62022	.05	13	20	
ethyl ether	.169	.15425	.05	9	20	
acetone	.09315	.08158	.05	12	20	
1,1,-dichloroethene	.32313	.29243	.05	10	20	
carbon disulfide	.93003	.71233	.05	23	20	F
methylene chloride	.39245	.36544	.05	7	20	
methyl tert butyl ether	.99749	.87168	.05	13	20	
trans-1,2-dichloroethene	.38874	.36309	.05	7	20	
Diisopropyl Ether	.64496	.57184	.05	11	20	
1,1-dichloroethane	.53465	.49616	.05	7	20	
Ethyl-Tert-Butyl-Ether	.7945	.7775	.05	2	20	
2-butanone	.11892	.10006	.05	16	20	
2,2-dichloropropane	.4836	.48524	.05	0	20	
cis-1,2-dichloroethene	.43288	.38773	.05	10	20	
chloroform	.75191	.65306	.05	13	20	
bromochloromethane	.25895	.21963	.05	15	20	
tetrahydrofuran	.07455	.06096	.05	18	20	
1,1,1-trichloroethane	.67876	.58509	.05	14	20	
1,1-dichloropropene	.48275	.41126	.05	15	20	
carbontetrachloride	100	82.921	.05	17	20	
Tertiary-Amyl Methyl Ether	.8804	.81769	.05	7	20	
1,2-dichloroethane	.52946	.44369	.05	16	20	
benzene	1.3328	1.2076	.05	9	20	
trichloroethene	.45106	.39675	.05	12	20	
1,2-dichloropropane	.28127	.2502	.05	11	20	
bromodichloromethane	.54449	.47818	.05	12	20	
1,4-dioxane	.00532	.00423	.05	20	20	F
dibromomethane	.29099	.23467	.05	19	20	
4-methyl-2-pentanone	.11275	.10172	.05	10	20	
cis-1,3-dichloropropene	.52489	.44308	.05	16	20	
toluene	.99304	.97453	.05	2	20	
trans-1,3-dichloropropene	.49134	.53668	.05	-9	20	
1,1,2-trichloroethane	.29063	.27886	.05	4	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1008720

Instrument ID: Newman.i Calibration Date: 15-JUN-2010 Time: 14:03

Lab File ID: 0615N01.D Init. Calib. Date(s): 19-MAY-2 19-MAY-2

Sample No: 8260 CCAL Init. Calib. Times : 19:58 23:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D
2-hexanone	.18039	.17898	.05	1	20
1,3-dichloropropane	.55112	.54172	.05	2	20
tetrachloroethene	.64407	.63074	.05	2	20
chlorodibromomethane	.57165	.52689	.05	8	20
1,2-dibromoethane	.45762	.42926	.05	6	20
chlorobenzene	1.3289	1.2925	.05	3	20
1,1,1,2-tetrachloroethane	.50612	.50934	.05	-1	20
ethyl benzene	1.9351	1.9732	.05	-2	20
p/m xylene	.80881	.83058	.05	-3	20
o xylene	.7697	.83952	.05	-9	20
styrene	1.2103	1.3589	.05	-12	20
bromoform	.64082	.6262	.05	2	20
isopropylbenzene	2.9280	3.0899	.05	-6	20
1,1,2,2,-tetrachloroethane	.67679	.70474	.05	-4	20
1,2,3-trichloropropane	.52037	.57747	.05	-11	20
n-propylbenzene	3.1804	3.4962	.05	-10	20
bromobenzene	1.0486	1.1250	.05	-7	20
1,3,5-trimethybenzene	2.5284	2.7319	.05	-8	20
2-chlorotoluene	2.2302	2.4077	.05	-8	20
4-chorotoluene	2.0499	2.3386	.05	-14	20
tert-butylbenzene	2.3987	2.4806	.05	-3	20
1,2,4-trimethylbenzene	2.5424	2.8366	.05	-12	20
sec-butylbenzene	3.1994	3.4457	.05	-8	20
p-isopropyltoluene	2.8264	3.238	.05	-15	20
1,3-dichlorobenzene	1.8200	2.0617	.05	-13	20
1,4-dichlorobenzene	1.8944	2.1103	.05	-11	20
n-butylbenzene	2.6768	3.1262	.05	-17	20
1,2-dichlorobenzene	1.7728	1.9414	.05	-10	20
1,2-dibromo-3-chloropropane	.15445	.14683	.05	5	20
1,2,4-trichlorobenzene	1.4282	1.6473	.05	-15	20
hexachlorobutadiene	1.0362	1.0028	.05	3	20
naphthalene	2.7495	2.7900	.05	-1	20
1,2,3-trichlorobenzene	1.3778	1.4195	.05	-3	20
dibromofluoromethane	.81844	.78634	.05	4	30
1,2-dichloroethane-d4	.67019	.68062	.05	-2	30
toluene-d8	2.6099	2.8116	.05	-8	30
4-bromofluorobenzene	1.6957	1.7530	.05	-3	30

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1008720

Instrument ID: Newman.i Calibration Date: 16-JUN-2010 Time: 07:06

Lab File ID: 0616A01.D Init. Calib. Date(s): 19-MAY-2 19-MAY-2

Sample No: 8260 CCAL Init. Calib. Times : 19:58 23:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.38792	.38756	.05	0	20	
chloromethane	.21046	.14927	.05	29	20	F
vinyl chloride	.17831	.16133	.05	10	20	
bromomethane	.24876	.27286	.05	-10	20	
chloroethane	.14969	.16067	.05	-7	20	
trichlorofluoromethane	.71126	.59777	.05	16	20	
ethyl ether	.169	.14517	.05	14	20	
acetone	.09315	.07868	.05	16	20	
1,1,-dichloroethene	.32313	.2895	.05	10	20	
carbon disulfide	.93003	.56948	.05	39	20	F
methylene chloride	.39245	.34056	.05	13	20	
methyl tert butyl ether	.99749	.83181	.05	17	20	
trans-1,2-dichloroethene	.38874	.356	.05	8	20	
Diisopropyl Ether	.64496	.52422	.05	19	20	
1,1-dichloroethane	.53465	.48442	.05	9	20	
Ethyl-Tert-Butyl-Ether	.7945	.72979	.05	8	20	
2-butanone	.11892	.09678	.05	19	20	
2,2-dichloropropane	.4836	.48238	.05	0	20	
cis-1,2-dichloroethene	.43288	.38019	.05	12	20	
chloroform	.75191	.64782	.05	14	20	
bromochloromethane	.25895	.2254	.05	13	20	
tetrahydrofuran	.07455	.05553	.05	26	20	F
1,1,1-trichloroethane	.67876	.58241	.05	14	20	
1,1-dichloropropene	.48275	.4078	.05	16	20	
carbontetrachloride	100	82.263	.05	18	20	
Tertiary-Amyl Methyl Ether	.8804	.7616	.05	13	20	
1,2-dichloroethane	.52946	.43859	.05	17	20	
benzene	1.3328	1.2082	.05	9	20	
trichloroethene	.45106	.39191	.05	13	20	
1,2-dichloropropane	.28127	.24795	.05	12	20	
bromodichloromethane	.54449	.4619	.05	15	20	
1,4-dioxane	.00532	.00389	.05	27	20	F
dibromomethane	.29099	.22957	.05	21	20	F
4-methyl-2-pentanone	.11275	.09705	.05	14	20	
cis-1,3-dichloropropene	.52489	.4339	.05	17	20	
toluene	.99304	.95394	.05	4	20	
trans-1,3-dichloropropene	.49134	.51823	.05	-5	20	
1,1,2-trichloroethane	.29063	.26605	.05	8	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1008720

Instrument ID: Newman.i Calibration Date: 16-JUN-2010 Time: 07:06

Lab File ID: 0616A01.D Init. Calib. Date(s): 19-MAY-2 19-MAY-2

Sample No: 8260 CCAL Init. Calib. Times : 19:58 23:34

Compound	RRF	RRF	MIN RRF	%D	MAX %D
2-hexanone	.18039	.16264	.05	10	20
1,3-dichloropropane	.55112	.53092	.05	4	20
tetrachloroethene	.64407	.61678	.05	4	20
chlorodibromomethane	.57165	.48649	.05	15	20
1,2-dibromoethane	.45762	.4145	.05	9	20
chlorobenzene	1.3289	1.2658	.05	5	20
1,1,1,2-tetrachloroethane	.50612	.48618	.05	4	20
ethyl benzene	1.9351	1.9038	.05	2	20
p/m xylene	.80881	.79767	.05	1	20
o xylene	.7697	.74922	.05	3	20
styrene	1.2103	1.2283	.05	-1	20
bromoform	.64082	.56944	.05	11	20
isopropylbenzene	2.9280	2.9965	.05	-2	20
1,1,2,2,-tetrachloroethane	.67679	.65204	.05	4	20
1,2,3-trichloropropane	.52037	.53179	.05	-2	20
n-propylbenzene	3.1804	3.2965	.05	-4	20
bromobenzene	1.0486	1.0908	.05	-4	20
1,3,5-trimethybenzene	2.5284	2.5779	.05	-2	20
2-chlorotoluene	2.2302	2.3100	.05	-4	20
4-chorotoluene	2.0499	2.2106	.05	-8	20
tert-butylbenzene	2.3987	2.3239	.05	3	20
1,2,4-trimethylbenzene	2.5424	2.6678	.05	-5	20
sec-butylbenzene	3.1994	3.1679	.05	1	20
p-isopropyltoluene	2.8264	2.9678	.05	-5	20
1,3-dichlorobenzene	1.8200	1.9397	.05	-7	20
1,4-dichlorobenzene	1.8944	1.9773	.05	-4	20
n-butylbenzene	2.6768	2.7690	.05	-3	20
1,2-dichlorobenzene	1.7728	1.8148	.05	-2	20
1,2-dibromo-3-chloropropane	.15445	.12934	.05	16	20
1,2,4-trichlorobenzene	1.4282	1.5064	.05	-5	20
hexachlorobutadiene	1.0362	.87568	.05	15	20
naphthalene	2.7495	2.7585	.05	0	20
1,2,3-trichlorobenzene	1.3778	1.2830	.05	7	20
dibromofluoromethane	.81844	.77205	.05	6	30
1,2-dichloroethane-d4	.67019	.67005	.05	0	30
toluene-d8	2.6099	2.8236	.05	-8	30
4-bromofluorobenzene	1.6957	1.7660	.05	-4	30

FORM VII MCP-8260HLW-10

Data File: \\Orgserv1\ee\chem\GCEXT\Pest11.i\100623nb.b\0623N001.D Page 1
Report Date: 23-Jun-2010 17:04

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest11.i\100623nb.b\0623N001.D
Lab Smp Id:
Inj Date : 23-JUN-2010 09:19
Operator : jb Inst ID: Pest11.i
Smp Info : +deg
Misc Info : wg418464, wg418112, ical5085
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest11.i\100623nb.b\Pest11b.m
Meth Date : 23-Jun-2010 16:04 ssus Quant Type: ISTD
Cal Date : 23-JUN-2010 10:50 Cal File: 0623N008.D
Als bottle: 1 QC Sample: degradation
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 4.12
Processing Host: EXT-11

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)	REVIEW CODE
* 1 1-Bromo-2-nitrobenzene	2.050	2.047	(1.000)	21778471	0.02500		
14 4,4'-DDE	4.844	4.842	(2.362)	912457	0.00077	0.000770	
17 Endrin	5.189	5.187	(2.530)	43003713	0.04574	0.0457	
18 4,4'-DDD	5.260	5.258	(2.565)	2388325	0.00282	0.00282	
20 4,4'-DDT	5.475	5.475	(2.670)	38194871	0.05202	0.0520	
21 Endrin Aldehyde	5.565	5.563	(2.714)	1775520	0.00216	0.00216	
24 Endrin Ketone	6.110	6.103	(2.980)	3030503	0.00298	0.00298	

DDT Degradation Percent = 7.954
Endrin Degradatafon Percent = 10.05

L1008942-04
L1009130-01,-02, ~~-04~~
L1008720-01
W6419616-1 to 3

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest11.i\100623na.b\0623N001.D
Lab Smp Id:
Inj Date : 23-JUN-2010 09:19
Operator : jb Inst ID: Pest11.i
Smp Info : +deg
Misc Info : wg4184645, wg418112, ical5084
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest11.i\100623na.b\Pest11a.m
Meth Date : 23-Jun-2010 16:03 ssus Quant Type: ISTD
Cal Date : 23-JUN-2010 10:50 Cal File: 0623N008.D
Als bottle: 1 QC Sample: degradation
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 4.12
Processing Host: EXT-11

Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ng)	REVIEW CODE
* 1 1-Bromo-2-nitrobenzene	1.964	1.958	(1.000)	22990385	0.02500		
14 4,4'-DDE	4.294	4.288	(2.186)	685346	8e-004	0.000765	
17 Endrin	4.684	4.677	(2.385)	41913506	0.04365	0.0436	
18 4,4'-DDD	4.742	4.738	(2.415)	1793278	0.00228	0.00228	
20 4,4'-DDT	4.940	4.937	(2.516)	39405695	0.05141	0.0514	
21 Endrin Aldehyde	5.145	5.140	(2.620)	1781009	0.00214	0.00214	
24 Endrin Ketone	5.630	5.625	(2.867)	3211258	0.00312	0.00312	

DDT Degradation Percent = 5.918
Endrin Degradataion Percent = 10.64

L1008942-04
L1009130-01,-02,~~-04~~
L1008720-01
W6419616-1 to 3

ANALYTICAL REPORT

Lab Number:	L1201924
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	David Sullivan
Phone:	(978) 656-3565
Project Name:	RIVER ROAD
Project Number:	Not Specified
Report Date:	02/15/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1201924
Report Date: 02/15/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1201924-01	D8 ESW	NEW BEDFORD	02/02/12 11:30
L1201924-02	E8 ESW	NEW BEDFORD	02/02/12 12:10
L1201924-03	F8A ESW	NEW BEDFORD	02/02/12 12:20
L1201924-04	F8 ESW	NEW BEDFORD	02/02/12 12:30

Project Name: RIVER ROAD **Lab Number:** L1201924

Project Number: Not Specified **Report Date:** 02/15/12

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: RIVER ROAD **Lab Number:** L1201924
Project Number: Not Specified **Report Date:** 02/15/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

In reference to question I:
All samples were analyzed for a subset of MCP elements per the Chain of Custody

Total Metals

The WG517071-4 Laboratory Duplicate RPD, performed on L1201924-01, is outside the acceptance criteria for Lead (41%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

The WG517071-5 MS recovery, performed on L1201924-01, is above the acceptance criteria for Lead (205%)

Project Name: RIVER ROAD **Lab Number:** L1201924
Project Number: Not Specified **Report Date:** 02/15/12

Case Narrative (continued)

; however, the associated LCS recovery was within criteria. No further action was taken.

The serial dilution test, associated with L1201924-01, had a %D above the acceptance criteria for Lead.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Peter Henriksen

Title: Technical Director/Representative Date: 02/15/12

METALS

Project Name:	RIVER ROAD	**Lab Number:**	L1201924
Project Number:	Not Specified	**Report Date:**	02/15/12

SAMPLE RESULTS

Lab ID:	L1201924-01	Date Collected:	02/02/12 11:30
Client ID:	D8 ESW	Date Received:	02/03/12
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Lead, Total	942		mg/kg	2.06	--	100	02/07/12 10:45	02/13/12 12:43	EPA 3050B	97,6020A	LR

Project Name:	RIVER ROAD	**Lab Number:**	L1201924
Project Number:	Not Specified	**Report Date:**	02/15/12

SAMPLE RESULTS

Lab ID:	L1201924-02	Date Collected:	02/02/12 12:10
Client ID:	E8 ESW	Date Received:	02/03/12
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	72%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Lead, Total	1710		mg/kg	2.23	--	100	02/07/12 10:45	02/13/12 12:45	EPA 3050B	97,6020A	LR

Project Name:	RIVER ROAD	**Lab Number:**	L1201924
Project Number:	Not Specified	**Report Date:**	02/15/12

SAMPLE RESULTS

Lab ID:	L1201924-03	Date Collected:	02/02/12 12:20
Client ID:	F8A ESW	Date Received:	02/03/12
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Lead, Total	1530		mg/kg	1.93	--	100	02/07/12 10:45	02/13/12 12:46	EPA 3050B	97,6020A	LR

Project Name:	RIVER ROAD	**Lab Number:**	L1201924
Project Number:	Not Specified	**Report Date:**	02/15/12

SAMPLE RESULTS

Lab ID:	L1201924-04	Date Collected:	02/02/12 12:30
Client ID:	F8 ESW	Date Received:	02/03/12
Sample Location:	NEW BEDFORD	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	77%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Lead, Total	370		mg/kg	1.91	--	100	02/07/12 10:45	02/13/12 12:48	EPA 3050B	97,6020A	LR

Project Name: RIVER ROAD **Lab Number:** L1201924

Project Number: Not Specified **Report Date:** 02/15/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG517071-1										
Lead, Total	ND		mg/kg	0.050	--	2	02/07/12 10:45	02/13/12 12:42	97,6020A	LR

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: RIVER ROAD

Project Number: Not Specified

Lab Number: L1201924

Report Date: 02/15/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG517071-2 WG517071-3 SRM Lot Number: ERA-D074								
Lead, Total	94		87		71-128	8		30

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1201924
Report Date: 02/15/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG517071-5 QC Sample: L1201924-01 Client ID: D8 ESW												
Lead, Total	942	175	1300	**205**	Q	-	-		75-125	-		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1201924
Report Date: 02/15/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG517071-4 QC Sample: L1201924-01 Client ID: D8 ESW						
Lead, Total	942	622	mg/kg	**41**	Q	35

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L1201924
Report Date: 02/15/12

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG517071-6 QC Sample: L1201924-01 Client ID: D8 ESW						
Lead, Total	942	783	mg/kg	**17**	Q	10

INORGANICS
&
MISCELLANEOUS

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1201924
Report Date: 02/15/12

SAMPLE RESULTS

Lab ID: L1201924-01
Client ID: D8 ESW
Sample Location: NEW BEDFORD
Matrix: Soil

Date Collected: 02/02/12 11:30
Date Received: 02/03/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	72.4		%	0.100	--	1	-	02/06/12 14:12	30,2540G	KB

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1201924
Report Date: 02/15/12

SAMPLE RESULTS

Lab ID: L1201924-02
Client ID: E8 ESW
Sample Location: NEW BEDFORD
Matrix: Soil

Date Collected: 02/02/12 12:10
Date Received: 02/03/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	72.3		%	0.100	--	1	-	02/06/12 14:12	30,2540G	KB

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1201924
Report Date: 02/15/12

SAMPLE RESULTS

Lab ID: L1201924-03
Client ID: F8A ESW
Sample Location: NEW BEDFORD
Matrix: Soil

Date Collected: 02/02/12 12:20
Date Received: 02/03/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	74.8		%	0.100	--	1	-	02/06/12 14:12	30,2540G	KB

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1201924
Report Date: 02/15/12

SAMPLE RESULTS

Lab ID: L1201924-04
Client ID: F8 ESW
Sample Location: NEW BEDFORD
Matrix: Soil

Date Collected: 02/02/12 12:30
Date Received: 02/03/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	77.0		%	0.100	--	1	-	02/06/12 14:12	30,2540G	KB

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1201924
Report Date: 02/15/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG517040-1 QC Sample: L1201924-01 Client ID: D8 ESW						
Solids, Total	72.4	72.0	%	1		20

Project Name: RIVER ROAD
Project Number: Not Specified

Lab Number: L1201924
Report Date: 02/15/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1201924-01A	Amber 120ml unpreserved	A	N/A	5	Y	Absent	A2-TS(7),A2-PB-MCP6020T-10(180),A2-PREP-3050:1T(180)
L1201924-02A	Amber 120ml unpreserved	A	N/A	5	Y	Absent	A2-TS(7),A2-PB-MCP6020T-10(180),A2-PREP-3050:1T(180)
L1201924-03A	Amber 120ml unpreserved	A	N/A	5	Y	Absent	A2-TS(7),A2-PB-MCP6020T-10(180),A2-PREP-3050:1T(180)
L1201924-04A	Amber 120ml unpreserved	A	N/A	5	Y	Absent	A2-TS(7),A2-PB-MCP6020T-10(180),A2-PREP-3050:1T(180)

*Values in parentheses indicate holding time in days

Project Name: RIVER ROAD **Lab Number:** L1201924

Project Number: Not Specified **Report Date:** 02/15/12

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name: RIVER ROAD **Lab Number:** L1201924

Project Number: Not Specified **Report Date:** 02/15/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: RIVER ROAD **Lab Number:** L1201924
Project Number: Not Specified **Report Date:** 02/15/12

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised January 30, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 3005A,3015,1312,6010B,6010C,SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X. Organic Parameters: EPA 8260B)

Solid & Hazardous Waste (Inorganic Parameters: EPA 3050B, 1311, 1312, 6010B, 6010C, 9030B, 9010B, 9012A, 9014. Organic Parameters: EPA 5035, 5030B, 8260B.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

Certificate/Approval Program Summary

Last revised January 30, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A,7471B, 7474. Organic Parameters: EPA3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters:EPA 3020A,6020A,245.7,9040B,SM4500H-B. Organic Parameters: EPA 3510C,3640A,3660B,3665A,8270C,8270D,8082A,8081B.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/3/12

ALPHA Job #: L1201924

Client Information

Client: TRC

Address: 650 SUFFOLK ST. LOWELL MA.

Phone: 978-970-5600

Fax:

Email: DSULLIVAN@TRCSOLUTIONS.COM DPETTIT@TRCSOLUTIONS.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RIVER ROAD

Project Location: NEW BEDFORD

Project #:

Project Manager: DAVID SULLIVAN DAVID PETTIT

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 2/17/12 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MA MCP. Criteria S-1

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: TOTAL Pb	Sample Specific Comments	TOTAL # BOTTLES
61924 1	D8 ESW	2/2/12	11:30	S	JF	✓		
2	E8 ESW	2/2/12	12:10	S	JF	✓		
3	F8A ESW	2/2/12	12:20	S	JF	✓		
4	F8 ESW	2/2/12	12:30	S	JF	✓		

Container Type												
Preservative												

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
James C. Fiore	2/3/12	MCM	2/3/12 1034
MCM	2/3/12 1100	[illegible]	2/3/12 1100

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

Serial_No:02151218:10

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Serial_No:20210215110

Date Rec'd in Lab: 2/3/12

ALPHA Job #: L1201924

Client Information

Client: TRC

Address: 650 SUFFOLK ST. LOWELL MA.

Phone: 978-970-5600

Fax:

Email: DSULLIVAN@TRCSOLUTIONS.COM DPETTIT@TRCSOLUTIONS.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RIVER ROAD

Project Location: NEW BEDFORD

Project #:

Project Manager: DAVID SULLIVAN DAVID PETTIT

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 2/17/12 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MA MCP. Criteria S-1

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TOTAL Pb	Sample Specific Comments	TOTAL # BOTTLES
01924 1	D8 ESW	2/2/12	11:30	S	JF	✓		
2	E8 ESW	2/2/12	12:10	S	JF	✓		
3	F8 ESW	2/2/12	12:20	S	JF	✓		
4	F8 ESW	2/2/12	12:30	S	JF	✓		

Container Type

Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	2/3/12	[signature]	2/3/12 1334
[signature]	2/3/12 1100	[signature]	2/3/12 1100
[signature]	2/3/12	[signature]	2/6/12 0910
[signature]	2/6/12 1005	[signature]	2/6/12 1005

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

APPENDIX D

MATERIAL SAFETY DATA SHEET
(FREE FLOW 200®)

Free Flow Technologies, Inc.
*** * * MATERIAL SAFETY DATA SHEET * * * ***

Free Flow 200®

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* * * * SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION * * * *

MSDS Name:	Free Flow 200
Product CAS:	None

Company Identification: Free Flow Technologies, Inc.

Address:	9918 N. Alpine Road Machesney Park, Illinois 61115
For Information call:	815-636-0166 or 866-677-0166
Emergency Contact:	Mike Slattery
MSDS Effective:	2/12/2008
Supercedes:	2/10/2006 2/12/2004 9/04/1998 8/1/1998

---

* * * * SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS * * * *

Chemical Name	CAS	Approximate % (w/w)
Silicon Dioxide	60676-86-0	5-10
Calcium Oxide	1305-78-8	30-57
Aluminum Oxide - Non- fibrous	1344-28-1	1-5
Sulfur	7704-34-9	10-25
Iron Oxide	1309-37-1	1-3

Miscellaneous

Loss on Ignition	0.8 percent
Available Lime	30.0 percent
pH	12

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* * * * SECTION 3 – HAZARDS IDENTIFICATION * * * *

Hazards Ratings	HMIS
Health	1
Fire	0
Reactivity	1
Special Protection	0

Free Flow Technologies, Inc.
*** * * MATERIAL SAFETY DATA SHEET * * * ***

Free Flow 200®

POTENTIAL HEALTH EFFECTS

Target Organs: Eyes, respiratory passages, skin, digestive tract.

Eye:	May cause irritation/inflammation and tissue damage
Skin:	May cause irritation and alkaline burns to moist skin
Ingestion:	May cause ulceration to the digestive tract.
Inhalation:	May cause irritation/inflammation to nasal and upper respiratory passages.

*** * * * SECTION 4 – FIRST AID MEASURES * * * ***

Eye:	Flush eyes with water while lifting lids. Get medical attention.
Skin:	Wash skin with soap and water, remove contaminated clothing and shoes. If irritation develops, get medical attention.
Ingestion:	Dilute with water, fruit juice or vinegar. Get medical attention.
Inhalation:	Remove to fresh air, if irritation develops, get medical attention.

*** * * * SECTION 5 – FIRE FIGHTING MEASURES * * * ***

Unusual Fire and Explosion Hazards:	Noncombustible
Special Fire Fighting Procedures:	Do not use water on adjacent fires. Extinguish adjacent fires with dry chemical or CO2
Extinguishing Media:	N/A
Flash Point:	N/A
Flammable Limits	Lower Limit: N/A Upper Limit: N/A
Autoignition Temperature:	N/A

Free Flow Technologies, Inc.
*** * * MATERIAL SAFETY DATA SHEET * * * ***

Free Flow 200®

*** * * * SECTION 6– ACCIDENTAL RELEASE MEASURES * * * ***

Disposal: Dispose as a non-hazardous solid waste in accordance with all Local, State and Federal regulations.

Spills/Leaks: Use appropriate protective equipment while using dry cleanup methods (sweep/shovel) which minimize dusting. Reclaim in watertight containers. Small amounts may be flushed with water to drain.

*** * * * SECTION 7– HANDLING AND STORAGE * * * ***

Handling: Swells when wet, may burst containers. Keep eyewash bottles available throughout work area. Prolonged exposure to moist skin may cause alkaline burns.

Storage: Store away from water or acids.

*** * * * SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION * * * ***

Engineering Controls: Use general and local exhaust to keep dust levels within acceptable limits.

Eyes: Wear tight fitting goggles.

Skin: Wear long sleeves, gloves, and pant cuffs over shoes to minimize skin contact.

Respirators: Use NIOSH approved dust respirator when exposure limits exceeded.

*** * * * SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES * * * ***

Appearance/Odor:	White-gray powder. No odor.
pH:	12
Vapor Pressure:	N/A
Vapor Density:	N/A
Evaporation Rate:	N/A
Viscosity:	N/A
Boiling Point:	N/A
Freezing/Melting Point:	N/A
Decomposition Temp.:	N/A
Specific Gravity:	2.6
Molecular Formula:	Mixture

Free Flow Technologies, Inc.
*** * * MATERIAL SAFETY DATA SHEET * * * ***

Free Flow 200®

*** * * * SECTION 10 - STABILITY AND REACTIVITY * * * ***

Chemical Stability: Stable, keep dry.

Incompatibilities with Other Materials: Contains calcium oxide and may react with water or acid to produce sufficient heat to ignite combustible materials.

Hazardous Decomposition Products: None

Hazardous Polymerization: No

*** * * * SECTION 11 - TOXICOLOGICAL INFORMATION * * * ***

Toxicological Information:

Component	Formula	% Wt.	CAS	PEL	TLV
Calcium Oxide	CaO	30-57	1305-78-8	5 mg/M3	2 mg/M3
Silicon Dioxide	SiO2	5-10	60676-86-0	0.1 mg/M3*	0.1 mg/M3*
Aluminum Oxide	Al2O3	1-5	1344-28-1	10 mg/M3+	10 mg/M3+
Sulfur	SO3	10-25	7704-34-9	15 mg/M3+	10 mg/M3+
Iron Oxide	Fe2O3	1-3	1309-37-1	15 mg/M3	5 mg/M3

* Respirable Dust
\+ 5 mg/M3 as Respirable Fraction

Silicon Dioxide and Iron Oxide are listed by IARC as potential carcinogens.

*** * * * SECTION 12 - ECOLOGICAL INFORMATION * * * ***

Ecological Information: None available

*** * * * SECTION 13 - OTHER PRECAUTIONS * * * ***

Other Precautions: None

Free Flow Technologies, Inc.
*** * * MATERIAL SAFETY DATA SHEET * * * ***

Free Flow 200®

*** * * * SECTION 14- TRANSPORT INFORMATION * * * ***

DOT Label No: N/A

*** * * * SECTION 15 - REGULATORY INFORMATION * * * ***

SARA Title III – Section 311/312 – Hazard Categories:
Fire Hazard – No
Sudden Release of Pressure – No
Reactivity Hazard – Yes
Immediate Health Hazard – Yes
Delayed Health Hazard – Yes

SARA Section 302 Extremely Hazardous Material – none

SARA Section 313 Toxic Chemicals – none

*** * * * SECTION 16 – ADDITIONAL INFORMATION * * * ***

Information herein is based on data believed to be accurate at the time of the preparation. No warranty or representation, express or implied, is made to the accuracy or completeness of the MSDS. No responsibility can be assumed by vendor for any damage or injury resulting from misuse, failure to follow recommended practices, or from any hazards inherent in the nature of the product.

APPENDIX E

BILLS OF LADING

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*
~~34~~ - 17604

A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED: DMP 10/27/10

Release Name (optional): Former Reliable Truss Site

Street: 246 River Road Location Aid:

City/Town: New Bedford ZIP Code: 02740

Date/Period of Generation: April 28, 2010 to: May 7, 2010

Additional Release Tracking Numbers Associated with this Bill of Lading:

** Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.*

B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

Name of Organization: City of New Bedford, Massachusetts

Name of Contact: Scott Alfonse Title: Director, Dept. of Env. Stewardship

Street: 133 William Street

City/Town: New Bedford State: MA ZIP Code: 02740

Telephone: Ext.:

C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

☐ RP or PRP Specify: ☐ Owner ☐ Operator ☐ Generator ☐ Transporter Other RP or PRP:

☑ Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☑ Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

DMP 10/27/10

☐ Other Person:

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

D. TRANSPORTER OR COMMON CARRIER INFORMATION:

Transporter/Common Carrier Name: New Bedford Department of Public Infrastructure

Contact Person: David Fredette Title: PE

Street: 133 William Street

City/Town: New Bedford State: MA ZIP Code: 02740

Telephone: (508) 979-1528 Ext.:

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:

Operator/Facility Name: Crapo Hill Landfill

Contact Person: Hank Van Laarhoven Title: Director of Operations

Street: 300 Samuel Barnett Boulevard

City/Town: New Bedford State: MA ZIP Code: 02740

Telephone: 508-763-5924 Ext.:

Type of Facility: (check one)

☐ Asphalt Batch/Cold Mix ☐ Landfill/Disposal ☐ Incinerator ☐ Temporary Storage

☐ Asphalt Batch/Hot Mix ☑ Landfill/Daily Cover ☐ Other:

☐ Thermal Processing ☐ Landfill/Structural Fill

EPA Identification #:

Division of Hazardous Waste/Class A Permit #: Division of Solid Waste Management Permit #: 93537

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): to:

Reason for Temporary Storage:

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*
3 - 17604

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued) :

Temporary Storage Address:

Street: _____

City/Town: _____ State: _____ ZIP Code: _____

F. DESCRIPTION OF REMEDIATION WASTE:
(check all that apply)

☑ Contaminated Media (check all that apply): ☑ Soil ○ Groundwater ○ Surface Water ○ Other: _____

☑ Contaminated Debris (check all that apply): ○ Vegetation or Organic Debris ○ Demolition/Construction Waste
○ Inorganic Absorbant Materials ☑ Other: Polyethylene Sheeting

☐ Non-hazardous Uncontainerized Waste (check all that apply): ○ Non-aqueous Phase Liquid ○ Other: _____

☐ Non-hazardous Containerized Waste (check all that apply): ○ Tank Bottoms/Sludges ○ Containers ○ Drums
○ Engineered Impoundments ○ Other: _____

Type of Contamination (check all that apply): ☐ Gasoline ☐ Diesel Fuel ☐ #2 Oil ☐ #4 Oil ☐ #6 Oil ☐ Waste Oil
☐ Kerosene ☐ Jet Fuel ☐ Other: Lead

Estimated Volume of Materials: Cubic Yards: 1100 Tons: 1650 Other: _____

Contaminant Source (check one/specify): ☐ Transportation Accident ☐ Underground Storage Tank ☑ Other: fill

Response Action Associated with Bill of Lading (check one): ☐ Immediate Response Action ☑ Release Abatement Measure

☐ Utility-Related Abatement Measure ☐ Limited Removal Action ☐ Comprehensive Response Action ☐ Other _____

Remediation Waste Charcterization Support Documentation attached:
☑ Site History Information ☐ Sampling and Analytical Methods and Procedures ☑ Laboratory Data ☐ Field Screening Data

If supporting documentation is not appended, provide an attachment stating thedate and in connection with what document such information was previously submitted to DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: TRC Environmental Corporation

LSP Name: David Sullivan Title: Senior Project Manager

Telephone: (978) 970-5600 Ext.: 3565

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of

(i) the standard of care in 309 CMR 4.02(1),
(ii) the applicable provisions of 309 CMR 4.02(2) and (3), and
(iii) the provisions of 309 CMR 4.03(5),

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit inbrmation which I know to be false, inaccurate or materially incomplete.

LSP Signature: _____ Seal:

Date: 5/20/2010

License Number: 1488

COMMONWEALTH OF MASSACHUSETTS
DAVID M. SULLIVAN No. 1488
REGISTERED LICENSED SITE PROFESSIONAL

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*
3 - 17604

H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: [signature] Date: 5/24/2010

Name of Person (print): SCOTT ALFONSE

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 1 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 6/4/2010
Time of Shipment: 7:55 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: RM Crapo Hill
Date of Receipt: 6-4-10
Time of Receipt: 8:12 ☑ AM ☐ PM
Load Size (cu. yds./tons): 16.97

Load 2:
Signature of Transporter Representative:
Date of Shipment: 6/4/10
Time of Shipment: 8:40 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: RM Crapo Hill
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.28

Load 3:
Signature of Transporter Representative:
Date of Shipment: 6/4/10
Time of Shipment: 9:15 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: RM Crapo Hill
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.09

Load 4:
Signature of Transporter Representative:
Date of Shipment: 6/4/10
Time of Shipment: 9:55 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: RM Crapo Hill
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.44

Load 5:
Signature of Transporter Representative:
Date of Shipment: 6/4/10
Time of Shipment: 10:30 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: RM Crapo Hill
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.35

Load 6:
Signature of Transporter Representative:
Date of Shipment: 6/4/10
Time of Shipment: 11:05 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: RM Crapo Hill
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.35

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 95.48
Total Carried Forward (cu. yds./tons): –
Total Carried Forward and This Page (cu. yds./tons): 95.48

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 2 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: RG
Date of Shipment: 6/4/2010
Time of Shipment: 8:00 ☑ AM ☐ PM
Truck/Tractor Registration: M66223 / 551
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: RM Crapo Hill
Date of Receipt: 6-4-10
Time of Receipt: 8:19 ☑ AM ☐ PM
Load Size (cu. yds./tons): 18.03

Load 2:
Signature of Transporter Representative: RG
Date of Shipment: 6/4/2010
Time of Shipment: 8:50 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: RM Crapo Hill
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 18.33

Load 3:
Signature of Transporter Representative: RG
Date of Shipment: 6/4/2010
Time of Shipment: 9:25 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: RM Crapo Hill
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 18.82

Load 4:
Signature of Transporter Representative: RG
Date of Shipment: 6/4/2010
Time of Shipment: 10:05 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: RM Crapo Hill
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.27

Load 5:
Signature of Transporter Representative: RG
Date of Shipment: 6/4/2010
Time of Shipment: 10:40 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: RM Crapo Hill
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.87

Load 6:
Signature of Transporter Representative: RG
Date of Shipment: 6/4/2010
Time of Shipment: 11:25 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: RM Crapo Hill
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 8.41

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 107.73
Total Carried Forward (cu. yds./tons): 954.8
Total Carried Forward and This Page (cu. yds./tons): 201.21

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 3 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 6/4/2010
Time of Shipment: 8:05 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any): 1557
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: 822 ☑ AM ☐ PM
Load Size (cu. yds./tons): 8.93

Load 2:
Signature of Transporter Representative:
Date of Shipment: 6/4/2010
Time of Shipment: 8:53 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): ~~9.47~~ 9.74

Load 3:
Signature of Transporter Representative:
Date of Shipment: 6/4/2010
Time of Shipment: 9:30 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 10.17

Load 4:
Signature of Transporter Representative:
Date of Shipment: 6/4/2010
Time of Shipment: 10:15 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 9.62

Load 5:
Signature of Transporter Representative:
Date of Shipment: 6/4/2010
Time of Shipment: 10:48 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 9.88

Load 6:
Signature of Transporter Representative:
Date of Shipment: 6/4/2010
Time of Shipment: 11:30 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 10.39

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 58.73
Total Carried Forward (cu. yds./tons): 201.21
Total Carried Forward and This Page (cu. yds./tons): 259.94

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 4 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/4/2010
Time of Shipment: 8:12 ☑ AM ☐ PM
Truck/Tractor Registration: M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 7.54

Load 2:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/4/2010
Time of Shipment: 9:08 ☑ AM ☐ PM
Truck/Tractor Registration: M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 7.47

Load 3:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/4/2010
Time of Shipment: 9:50 ☑ AM ☐ PM
Truck/Tractor Registration: M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 7.64

Load 4:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/4/2010
Time of Shipment: 10:33 ☑ AM ☐ PM
Truck/Tractor Registration: M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 7.10

Load 5:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/4/2010
Time of Shipment: 11:11 ☑ AM ☐ PM
Truck/Tractor Registration: M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 8.00

Load 6:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/4/2010
Time of Shipment: 11:55 ☑ AM ☐ PM
Truck/Tractor Registration: M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: 12:12 ☐ AM ☒ PM
Load Size (cu. yds./tons): 7.45

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 45.20
Total Carried Forward (cu. yds./tons): 259.94
Total Carried Forward and This Page (cu. yds./tons): 305.14

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 5 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative: RPC
Date of Shipment: 6/4/2010
Time of Shipment: 8:25 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any): 553
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.78

Load 2:
Signatiure of Transporter Representative: RPC
Date of Shipment: 6/4/2010
Time of Shipment: 9:05 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 17.36

Load 3:
Signatiure of Transporter Representative: RPC
Date of Shipment: 6/4/2010
Time of Shipment: 9:45 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.56

Load 4:
Signatiure of Transporter Representative: RPC
Date of Shipment: 6/4/2010
Time of Shipment: 10:28 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.50

Load 5:
Signatiure of Transporter Representative: RPC
Date of Shipment: 6/4/2010
Time of Shipment: 11:00 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.96

Load 6:
Signatiure of Transporter Representative:
Date of Shipment: 6/4/2010
Time of Shipment: 11:40 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.53

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 95.69
Total Carried Forward (cu. yds./tons): 305.14
Total Carried Forward and This Page (cu. yds./tons): 400.83

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 6 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative: RA
Date of Shipment: 6/4/2010
Time of Shipment: 8:32 ☑ AM ☐ PM
Truck/Tractor Registration: M50657
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 7.82

Load 2:
Signatiure of Transporter Representative: RA
Date of Shipment: 6/4/2010
Time of Shipment: 9:18 ☑ AM ☐ PM
Truck/Tractor Registration: M50657
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 8.20

Load 3:
Signatiure of Transporter Representative: RA
Date of Shipment: 6/4/2010
Time of Shipment: 10:10 ☑ AM ☐ PM
Truck/Tractor Registration: M50657
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 7.65

Load 4:
Signatiure of Transporter Representative: RA
Date of Shipment: 6/4/2010
Time of Shipment: 10:55 ☑ AM ☐ PM
Truck/Tractor Registration: M50657
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 8.63

Load 5:
Signatiure of Transporter Representative:
Date of Shipment: 6/4/2010
Time of Shipment: 13:05 ☐ AM ☐ PM
Truck/Tractor Registration: 552 / M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 13.86

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 46.18
Total Carried Forward (cu. yds./tons): 400.83
Total Carried Forward and This Page (cu. yds./tons): 446.99

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 7 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 6/4/2010
Time of Shipment: 11:45 ☑ AM ☐ PM
Truck/Tractor Registration: 554 / M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.58

Load 2:
Signature of Transporter Representative:
Date of Shipment: 6/4/10
Time of Shipment: 12:20 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.42

Load 3:
Signature of Transporter Representative:
Date of Shipment: 6/4/10
Time of Shipment: 1:00 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.58

Load 4:
Signature of Transporter Representative:
Date of Shipment: 6/4/10
Time of Shipment: 1:40 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.76

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 65.34
Total Carried Forward (cu. yds./tons): 446.99
Total Carried Forward and This Page (cu. yds./tons): 512.33

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 8 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative: RG
Date of Shipment: 6/4/2010
Time of Shipment: 12:05 ☐ AM ☑ PM
Truck/Tractor Registration: 551 / M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: GHL GM
Date of Receipt: 6/4/10
Time of Receipt: 12:15 ☐ AM ☑ PM
Load Size (cu. yds./tons): 18.56

Load 2:
Signatiure of Transporter Representative: RG
Date of Shipment: 6/4/2010
Time of Shipment: 12:43 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 18.38

Load 3:
Signatiure of Transporter Representative: RG
Date of Shipment: 6/4/2010
Time of Shipment: 1:20 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.92

Load 4:
Signatiure of Transporter Representative: RG
Date of Shipment: 6/4/2010
Time of Shipment: 1:55 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.94

Load 5:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 69.80
Total Carried Forward (cu. yds./tons): 512.33
Total Carried Forward and This Page (cu. yds./tons): 582.13

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 9 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 6/4/2010
Time of Shipment: 12:08 ☐ AM ☑ PM
Truck/Tractor Registration: 557 / M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 6/4/10
Time of Receipt: 12:18 ☐ AM ☑ PM
Load Size (cu. yds./tons): 9.91

Load 2:
Signature of Transporter Representative:
Date of Shipment: 6/4/2010
Time of Shipment: 12:45 ☐ AM ☑ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 9.18

Load 3:
Signature of Transporter Representative:
Date of Shipment: 6/4/2010
Time of Shipment: 13:25 ☐ AM ☑ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 9.88

Load 4:
Signature of Transporter Representative:
Date of Shipment: 6/4/2010
Time of Shipment: 13:58 ☐ AM ☑ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 9.74

Load 5:
Signature of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 9:50 ☑ AM ☐ PM
Truck/Tractor Registration: 556 / M50657
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RF
Date of Receipt: 6/7/10
Time of Receipt: 10:09 ☑ AM ☐ PM
Load Size (cu. yds./tons): 8.11

Load 6:
Signature of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 10:43 ☐ AM ☑ PM
Truck/Tractor Registration: M50657
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RF
Date of Receipt: 6/7/10
Time of Receipt: 10:57 ☑ AM ☐ PM
Load Size (cu. yds./tons): 8.55

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 55.37
Total Carried Forward (cu. yds./tons): 582.13
Total Carried Forward and This Page (cu. yds./tons): 637.50

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 10 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: RPC
Date of Shipment: 6/4/2010
Time of Shipment: 12:15 ☐ AM ☑ PM
Truck/Tractor Registration: 553 / M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM RM
Date of Receipt: 6/4/10
Time of Receipt: 12:28 ☐ AM ☑ PM
Load Size (cu. yds./tons): 17.26

Load 2:
Signature of Transporter Representative: RPC
Date of Shipment: 6/4/2010
Time of Shipment: 12:55 ☐ AM ☑ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.15

Load 3:
Signature of Transporter Representative: RPC
Date of Shipment: 6/4/2010
Time of Shipment: 13:32 ☐ AM ☑ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.16

Load 4:
Signature of Transporter Representative: RPC
Date of Shipment: 6/4
Time of Shipment: 14:10 ☐ AM ☑ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.54

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 64.11
Total Carried Forward (cu. yds./tons): 637.50
Total Carried Forward and This Page (cu. yds./tons): 701.61

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 11 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: SH
Date of Shipment: 6/4/2010
Time of Shipment: 12:40 ☐ AM ☑ PM
Truck/Tractor Registration: 575 / M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./~~tons~~): 8.11

Load 2:
Signature of Transporter Representative: SH
Date of Shipment: 6/4/2010
Time of Shipment: 1:30 ☐ AM ☑ PM
Truck/Tractor Registration: 575 / M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./~~tons~~): 6.64

Load 3:
Signature of Transporter Representative: SH
Date of Shipment: 6/4/2010
Time of Shipment: 14:05 ☐ AM ☑ PM
Truck/Tractor Registration: M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: Crapo Hill RM
Date of Receipt: 6-4-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./~~tons~~): 7.36

Load 4:
Signature of Transporter Representative: RG
Date of Shipment: 6/7/2010
Time of Shipment: 8:50 ☑ AM ☐ PM
Truck/Tractor Registration: M66223 / 557
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RK
Date of Receipt: 6/7/10
Time of Receipt: 9:05 ☑ AM ☐ PM
Load Size (cu. yds./~~tons~~): 18.38

Load 5:
Signature of Transporter Representative: RG
Date of Shipment: 6/7/2010
Time of Shipment: 9:25 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RK
Date of Receipt: 6/7/10
Time of Receipt: 9:40 ☑ AM ☐ PM
Load Size (cu. yds./~~tons~~): 17.37

Load 6:
Signature of Transporter Representative: RG
Date of Shipment: 6/7/2010
Time of Shipment: 10:00 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RK
Date of Receipt: 6/7/10
Time of Receipt: 10:25 ☑ AM ☐ PM
Load Size (cu. yds./~~tons~~): 18.75

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 76.61
Total Carried Forward (cu. yds./tons): 701.61
Total Carried Forward and This Page (cu. yds./tons): 778.22

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 12 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 7:30 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any): DRIVER LOST LOAD SLIP
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 7:54 ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.39 CONFIRMED WT CRAPO

Load 2:
Signature of Transporter Representative:
Date of Shipment: 6/7/10
Time of Shipment: 8:15 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 8:30 ☑ AM ☐ PM
Load Size (cu. yds./tons): 16.20

Load 3:
Signature of Transporter Representative:
Date of Shipment: 6/7/10
Time of Shipment: 8:55 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 9:09 ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.72

Load 4:
Signature of Transporter Representative:
Date of Shipment: 6/7/10
Time of Shipment: 9:30 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 9:45 ☑ AM ☐ PM
Load Size (cu. yds./tons): 16.93

Load 5:
Signature of Transporter Representative:
Date of Shipment: 6/7/10
Time of Shipment: 10:05 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 10:20 ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.80

Load 6:
Signature of Transporter Representative:
Date of Shipment: 6/7/10
Time of Shipment: 10:45 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 11:00 ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.46

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 103.50
Total Carried Forward (cu. yds./tons): 778.22
Total Carried Forward and This Page (cu. yds./tons): 881.72

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Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

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SUMMARY SHEET 13 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/7/2010
Time of Shipment: 7:35 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any): 1559
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 7:57 ☑ AM ☐ PM
Load Size (cu. yds./tons): 8.53

Load 2:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/7/2010
Time of Shipment: 8:25 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 8:39 ☑ AM ☐ PM
Load Size (cu. yds./tons): 7.62

Load 3:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/7/2010
Time of Shipment: 9:02 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 9:17 ☑ AM ☐ PM
Load Size (cu. yds./tons): 8.00

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 9:35 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 9:53 ☑ AM ☐ PM
Load Size (cu. yds./tons): 8.76

Load 5:
Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 10:15 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 10:26 ☑ AM ☐ PM
Load Size (cu. yds./tons): 8.13

Load 6:
Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 10:50 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 11:01 ☑ AM ☐ PM
Load Size (cu. yds./tons): 8.83

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 49.86
Total Carried Forward (cu. yds./tons): 881.72
Total Carried Forward and This Page (cu. yds./tons): 931.58

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 14 **OF** 34

I. LOAD INFORMATION: Signatiure of Transporter Representative:

Load 1:
Date of Shipment: 6/7/2010
Time of Shipment: 8:20 ☑ AM ☐ PM
Truck/Tractor Registration: 553 / M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NE
Date of Receipt: 6/7/10
Time of Receipt: 8:36 ☑ AM ☐ PM
Load Size (cu. yds./tons): 14.89

Load 2: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 9:05 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NE
Date of Receipt: 6/7/10
Time of Receipt: 9:20 ☑ AM ☐ PM
Load Size (cu. yds./tons): 16.24

Load 3: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 9:48 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NE
Date of Receipt: 6/7/10
Time of Receipt: 10:01 ☑ AM ☐ PM
Load Size (cu. yds./tons): 18.05

Load 4: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 10:35 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NE
Date of Receipt: 6/7/10
Time of Receipt: 10:45 ☑ AM ☐ PM
Load Size (cu. yds./tons): 16.98

Load 5: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 11:10 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NE
Date of Receipt: 6/7/10
Time of Receipt: 11:27 ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.32

Load 6: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 11:55 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GR
Date of Receipt: 6/7/10
Time of Receipt: 12:09 ☐ AM ☑ PM
Load Size (cu. yds./tons): 17.47

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 100.95
Total Carried Forward (cu. yds./tons): 931.58
Total Carried Forward and This Page (cu. yds./tons): 1032.53

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 15 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative: WD
Date of Shipment: 6/7/2010
Time of Shipment: 8:23 ☑ AM ☐ PM
Truck/Tractor Registration: 554
Trailer Registration (if any): M78941
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 8:37 ☑ AM ☐ PM
Load Size (cu. yds./tons): 10.03

Load 2:
Signatiure of Transporter Representative: WD
Date of Shipment: 6/7/2010
Time of Shipment: 9:00 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 9:22 ☑ AM ☐ PM
Load Size (cu. yds./tons): 9.46

Load 3:
Signatiure of Transporter Representative: WD
Date of Shipment: 6/7/2010
Time of Shipment: 9:45 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 9:58 ☑ AM ☐ PM
Load Size (cu. yds./tons): 9.99

Load 4:
Signatiure of Transporter Representative: WD
Date of Shipment: 6/7/2010
Time of Shipment: 10:20 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 10:33 ☑ AM ☐ PM
Load Size (cu. yds./tons): 8.81

Load 5:
Signatiure of Transporter Representative: WD
Date of Shipment: 6/7/2010
Time of Shipment: 10:55 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 11:12 ☑ AM ☐ PM
Load Size (cu. yds./tons): 9.02

Load 6:
Signatiure of Transporter Representative: WD
Date of Shipment: 6/7/2010
Time of Shipment: 11:33 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 11:48 ☑ AM ☐ PM
Load Size (cu. yds./tons): 10.57

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 57.88
Total Carried Forward (cu. yds./tons): 1032.53
Total Carried Forward and This Page (cu. yds./tons): 1090.41

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 16 **OF** 34

Release Tracking Number: 4 - 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: RG
Date of Shipment: 6/7/2010
Time of Shipment: 10:40 ☑ AM ☐ PM
Truck/Tractor Registration: 551 / M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 10:50 ☑ AM ☐ PM
Load Size (cu. yds./tons): 19.02

Load 2:
Signature of Transporter Representative: RG
Date of Shipment: 6/7/2010
Time of Shipment: 11:15 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 11:28 ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.71

Load 3:
Signature of Transporter Representative: RG
Date of Shipment: 6/7/2010
Time of Shipment: 11:50 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 6/7/10
Time of Receipt: 12:02 ☐ AM ☑ PM
Load Size (cu. yds./tons): 20.38

Load 4:
Signature of Transporter Representative: RG
Date of Shipment: 6/7/2010
Time of Shipment: 12:25 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 12:40 ☐ AM ☑ PM
Load Size (cu. yds./tons): 19.00

Load 5:
Signature of Transporter Representative: RG
Date of Shipment: 6/7/2010
Time of Shipment: 1:00 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 1:14 ☐ AM ☑ PM
Load Size (cu. yds./tons): 19.83

Load 6:
Signature of Transporter Representative: RG
Date of Shipment: 6/7/2010
Time of Shipment: 1:38 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 1:50 ☐ AM ☑ PM
Load Size (cu. yds./tons): 18.67

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 114.61
Total Carried Forward (cu. yds./tons): 1090.41
Total Carried Forward and This Page (cu. yds./tons): 1205.02

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 17 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 11:20 ☑ AM ☐ PM
Truck/Tractor Registration: 554/M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 11:34 ☐ AM ☐ PM
Load Size (cu. yds./tons): 17.17

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 6/7/10
Time of Shipment: 12:00 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 6/7/10
Time of Receipt: 12:16 ☐ AM ☑ PM
Load Size (cu. yds./tons): 16.71 16.71 ST.

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 6/7/10
Time of Shipment: 12:45 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 12:56 ☐ AM ☑ PM
Load Size (cu. yds./tons): 18.37

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 6/7/10
Time of Shipment: 1:20 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 1:34 ☐ AM ☑ PM
Load Size (cu. yds./tons): 18.45

Load 5:
Signatiure of Transporter Representative:
Date of Shipment: 6/7/10
Time of Shipment: 1:55 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 2:30 ☐ AM ☑ PM
Load Size (cu. yds./tons): 16.36

Load 6:
Signatiure of Transporter Representative:
Date of Shipment: 6/7/10
Time of Shipment: 3:00 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 3:10 ☐ AM ☑ PM
Load Size (cu. yds./tons): 16.78

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 103.84
Total Carried Forward (cu. yds./tons): 1205.02
Total Carried Forward and This Page (cu. yds./tons): 1308.86

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 18 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/7/2010
Time of Shipment: 11:25 ☑ AM ☐ PM
Truck/Tractor Registration: 559 / M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 11:36 ☑ AM ☐ PM
Load Size (cu. yds./tons): 8.45

Load 2:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/7/2010
Time of Shipment: 12:03 ☐ AM ☑ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 6/7/10
Time of Receipt: 12:17 ☐ AM ☑ PM
Load Size (cu. yds./tons): 8.58

Load 3:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/7/2010
Time of Shipment: 12:48 ☐ AM ☑ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 1:00 ☐ AM ☑ PM
Load Size (cu. yds./tons): 9.06

Load 4:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/7/2010
Time of Shipment: 1:30 ☐ AM ☑ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 1:45 ☐ AM ☑ PM
Load Size (cu. yds./tons): 9.51

Load 5:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/7/2010
Time of Shipment: 2:05 ☐ AM ☑ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 2:21 ☐ AM ☑ PM
Load Size (cu. yds./tons): 8.15

Load 6:
Signatiure of Transporter Representative: SH
Date of Shipment: 6/7/2010
Time of Shipment: 2:45 ☐ AM ☑ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 3:05 ☐ AM ☑ PM
Load Size (cu. yds./tons): 9.19

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 52.94
Total Carried Forward (cu. yds./tons): 1308.86
Total Carried Forward and This Page (cu. yds./tons): 1361.80

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 19 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 11:57 ☑ AM ☐ PM
Truck/Tractor Registration: 552
Trailer Registration (if any): M62800
Receiving Facility/Temporary Storage Representative: CHL GM J. B.
Date of Receipt: 6/7/10
Time of Receipt: 12:14 ☐ AM ☑ PM
Load Size (cu. yds./tons): 14.50

Load 2:
Signature of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 12:47 ☐ AM ☑ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR J.B.
Date of Receipt: 6/7/10
Time of Receipt: 12:58 ☐ AM ☑ PM
Load Size (cu. yds./tons): 14.43

Load 3:
Signature of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 1:28 ☐ AM ☑ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR J.B.
Date of Receipt: 6/7/10
Time of Receipt: 1:43 ☐ AM ☑ PM
Load Size (cu. yds./tons): 15.82

Load 4:
Signature of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 2:10 ☐ AM ☑ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR J.B.
Date of Receipt: 6/7/10
Time of Receipt: 2:24 ☐ AM ☑ PM
Load Size (cu. yds./tons): 15.26

Load 5:
Signature of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 2:50 ☐ AM ☑ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR J.B.
Date of Receipt: 6/7/10
Time of Receipt: 3:09 ☐ AM ☑ PM
Load Size (cu. yds./tons): 15.68

Load 6:
Signature of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 3:34 ☐ AM ☑ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR J.B.
Date of Receipt: 6/7/10
Time of Receipt: 3:53 ☐ AM ☑ PM
Load Size (cu. yds./tons): 17.45

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 92.84
Total Carried Forward (cu. yds./tons): 1361.80
Total Carried Forward and This Page (cu. yds./tons): 1454.64

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 20 **OF** 34

I. LOAD INFORMATION: Signatiure of Transporter Representative:

Load 1:
Date of Shipment: 6/7/2010 Time of Shipment: 12:10 ☐ AM ☑ PM
Truck/Tractor Registration: 557 / M78941 Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 6/7/10 Time of Receipt: 12:25 ☐ AM ☑ PM
Load Size (cu. yds./tons): 9.41

Load 2: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010 Time of Shipment: 12:50 ☐ AM ☑ PM
Truck/Tractor Registration: M78941 Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NE
Date of Receipt: 6/7/10 Time of Receipt: 1:01 ☐ AM ☑ PM
Load Size (cu. yds./tons): 9.89

Load 3: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010 Time of Shipment: 1:25 ☐ AM ☑ PM
Truck/Tractor Registration: M78941 Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NE
Date of Receipt: 6/7/10 Time of Receipt: 1:40 ☐ AM ☑ PM
Load Size (cu. yds./tons): 10.20

Load 4: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010 Time of Shipment: 2:03 ☐ AM ☑ PM
Truck/Tractor Registration: M78941 Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NE
Date of Receipt: 6/7/10 Time of Receipt: 2:18 ☐ AM ☑ PM
Load Size (cu. yds./tons): 9.58

Load 5: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010 Time of Shipment: 3:15 ☐ AM ☑ PM
Truck/Tractor Registration: M78941 Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NE
Date of Receipt: 6/7/10 Time of Receipt: 3:28 ☐ AM ☑ PM
Load Size (cu. yds./tons): 10.25

Load 6: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010 Time of Shipment: 3:58 ☐ AM ☑ PM
Truck/Tractor Registration: M78941 Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NE
Date of Receipt: 6/7/10 Time of Receipt: 4:15 ☐ AM ☑ PM
Load Size (cu. yds./tons): 10.62

J. LOG SHEET VOLUME INFORMATION:
Total Volume Recorded This Page (cu. yds./tons) 59.95
Total Carried Forward (cu. yds./tons): 1454.64
Total Carried Forward and This Page (cu. yds./tons): 1514.59

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 21 **OF** _____

I. LOAD INFORMATION: Signatiure of Transporter Representative:

Load 1:
Date of Shipment: 6/7/2010 Time of Shipment: 12:35 ☐ AM ☑ PM
Truck/Tractor Registration: 553/ M50838 Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10 Time of Receipt: 12:52 ☐ AM ☑ PM
Load Size (cu. yds./tons): 19.39

Load 2: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010 Time of Shipment: 1:18 ☐ AM ☑ PM
Truck/Tractor Registration: M50838 Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10 Time of Receipt: 1:33 ☐ AM ☑ PM
Load Size (cu. yds./tons): 18.89

Load 3: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010 Time of Shipment: 2:00 ☐ AM ☑ PM
Truck/Tractor Registration: M50838 Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10 Time of Receipt: 2:17 ☐ AM ☑ PM
Load Size (cu. yds./tons): 16.40

Load 4: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010 Time of Shipment: 3:17 ☐ AM ☑ PM
Truck/Tractor Registration: M50838 Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10 Time of Receipt: 3:36 ☐ AM ☑ PM
Load Size (cu. yds./tons): 17.38

Load 5: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010 Time of Shipment: 4:00 ☐ AM ☑ PM
Truck/Tractor Registration: M50838 Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10 Time of Receipt: 4:17 ☐ AM ☑ PM
Load Size (cu. yds./tons): 18.85

Load 6: Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010 Time of Shipment: 4:40 ☐ AM ☑ PM
Truck/Tractor Registration: M50838 Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10 Time of Receipt: 4:55 ☐ AM ☑ PM
Load Size (cu. yds./tons): 16.52

J. LOG SHEET VOLUME INFORMATION:
Total Volume Recorded This Page (cu. yds./tons) 105.63
Total Carried Forward (cu. yds./tons): 1514.59
Total Carried Forward and This Page (cu. yds./tons) 1620.22

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 22 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: RG
Date of Shipment: 6/7/2010
Time of Shipment: 2:30 ☐ AM ☑ PM
Truck/Tractor Registration: 551 / M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 2:45 ☐ AM ☑ PM
Load Size (cu. yds./tons): 19.61

Load 2:
Signature of Transporter Representative: RG
Date of Shipment: 6/7/2010
Time of Shipment: 3:10 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 3:27 ☐ AM ☑ PM
Load Size (cu. yds./tons): 19.88

Load 3:
Signature of Transporter Representative: RG
Date of Shipment: 6/7/2010
Time of Shipment: 3:55 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 4:12 ☐ AM ☑ PM
Load Size (cu. yds./tons): 19.36

Load 4:
Signature of Transporter Representative: RG
Date of Shipment: 6/7/2010
Time of Shipment: 4:35 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 4:50 ☐ AM ☑ PM
Load Size (cu. yds./tons): 19.22

Load 5:
Signature of Transporter Representative: RG
Date of Shipment: 6/7/2010
Time of Shipment: 5:13 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/7/10
Time of Receipt: 5:26 ☐ AM ☑ PM
Load Size (cu. yds./tons): 17.57

Load 6:
Signature of Transporter Representative: RG
Date of Shipment: 6/8/2010
Time of Shipment: 7:30 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-7-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 20.98

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 116.62
Total Carried Forward (cu. yds./tons): 1620.22
Total Carried Forward and This Page (cu. yds./tons): 1736.84

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 23 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 3:25 ☐ AM ☑ PM
Truck/Tractor Registration: 559 / M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RP
Date of Receipt: 6/7/10
Time of Receipt: 3:43 ☐ AM ☑ PM
Load Size (cu. yds./tons): 9.12

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 4:03 ☐ AM ☑ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RP
Date of Receipt: 6/7/10
Time of Receipt: 4:19 ☐ AM ☑ PM
Load Size (cu. yds./tons): 9.10

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 4:47 ☐ AM ☑ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RP
Date of Receipt: 6/7/10
Time of Receipt: 5:02 ☐ AM ☑ PM
Load Size (cu. yds./tons): 9.40

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 8:20 ☑ AM ☐ PM
Truck/Tractor Registration: 51 / M76863
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.56

Load 5:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 9:00 ☑ AM ☐ PM
Truck/Tractor Registration: M76863
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.82

Load 6:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 9:43 ☑ AM ☐ PM
Truck/Tractor Registration: M76863
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): ~~14.97~~ 14.79

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 74.79
Total Carried Forward (cu. yds./tons): 1736.84
Total Carried Forward and This Page (cu. yds./tons): 1811.63

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 24 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 3:30 ☐ AM ☑ PM
Truck/Tractor Registration: 554 / M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6/7/10
Time of Receipt: 3:47 ☐ AM ☑ PM
Load Size (cu. yds./tons): 18.43

Load 2:
Signature of Transporter Representative:
Date of Shipment: 6/7/10
Time of Shipment: 4:05 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6/7/10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.74

Load 3:
Signature of Transporter Representative:
Date of Shipment: 6/8/10
Time of Shipment: 7:35 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 19.54

Load 4:
Signature of Transporter Representative:
Date of Shipment: 6/8/10
Time of Shipment: 8:15 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 18.77

Load 5:
Signature of Transporter Representative:
Date of Shipment: 6/8/10
Time of Shipment: 8:50 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 17.19

Load 6:
Signature of Transporter Representative:
Date of Shipment: 6/8/10
Time of Shipment: 9:35 ☐ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.53

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 106.20
Total Carried Forward (cu. yds./tons): 1811.63
Total Carried Forward and This Page (cu. yds./tons): 1917.83

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 25 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 4:15 ☐ AM ☑ PM
Truck/Tractor Registration: 552 / M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RC
Date of Receipt: 6/7/10
Time of Receipt: 4:34 ☐ AM ☑ PM
Load Size (cu. yds./tons): 17.63

Load 2:
Signature of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 4:58 ☐ AM ☑ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RC
Date of Receipt: 6/7/10
Time of Receipt: 5:15 ☐ AM ☑ PM
Load Size (cu. yds./tons): 16.34

Load 3:
Signature of Transporter Representative: SN
Date of Shipment: 6/8/2010
Time of Shipment: 7:40 ☑ AM ☐ PM
Truck/Tractor Registration: 559 / M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 9.56

Load 4:
Signature of Transporter Representative: SN
Date of Shipment: 6/8/2010
Time of Shipment: 8:18 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 8.62

Load 5:
Signature of Transporter Representative: SN
Date of Shipment: 6/8/2010
Time of Shipment: 8:55 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 8.26

Load 6:
Signature of Transporter Representative: SN
Date of Shipment: 6/8/2010
Time of Shipment: 9:38 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 7.30

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 67.71
Total Carried Forward (cu. yds./tons): 1917.83
Total Carried Forward and This Page (cu. yds./tons): 1985.54

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 26 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 6/7/2010
Time of Shipment: 4:45 ☐ AM ☑ PM
Truck/Tractor Registration: 557 / M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 6/7/10
Time of Receipt: 5:00 ☐ AM ☑ PM
Load Size (cu. yds./tons): 10.15

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 7:50 ☑ AM ☐ PM
Truck/Tractor Registration: 575 / M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 8.17

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 8:33 ☑ AM ☐ PM
Truck/Tractor Registration: 575 / M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: C.H.L RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 7.92

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 9:10 ☑ AM ☐ PM
Truck/Tractor Registration: M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 7.83

Load 5:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 10:00 ☑ AM ☐ PM
Truck/Tractor Registration: M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 8.36

Load 6:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 10:35 ☑ AM ☐ PM
Truck/Tractor Registration: M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 7.60

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 50.05
Total Carried Forward (cu. yds./tons): 1985.54
Total Carried Forward and This Page (cu. yds./tons) 2035.59

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

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SUMMARY SHEET 27 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 7:53 ☑ AM ☐ PM
Truck/Tractor Registration: 552 / M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: J.B.L. ☐ AM ☐ PM
Load Size (cu. yds./tons): 17.09

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 8:35 ☑ AM ☐ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL J.B.L. RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.80

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 9:20 ☑ AM ☐ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): J.B.L. 13.59

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 10:05 ☑ AM ☐ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): J.B.L. 12.74

Load 5:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 10:43 ☑ AM ☐ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: J.B.L. ☐ AM ☐ PM
Load Size (cu. yds./tons): 13.47

Load 6:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 11:20 ☑ AM ☐ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 6/8/10
Time of Receipt: 11:40 J.B.L. ☑ AM ☐ PM
Load Size (cu. yds./tons): ~~12.49~~ 25.88 12.94 TON

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 85.58
Total Carried Forward (cu. yds./tons): 2035.59
Total Carried Forward and This Page (cu. yds./tons): 2121.17

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

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SUMMARY SHEET 28 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: RA
Date of Shipment: 6/8/2010
Time of Shipment: 7:55 ☑ AM ☐ PM
Truck/Tractor Registration: 553 / M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 18.22

Load 2:
Signature of Transporter Representative: RA
Date of Shipment: 6/8/2010
Time of Shipment: 8:45 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.70

Load 3:
Signature of Transporter Representative: RA
Date of Shipment: 6/8/2010
Time of Shipment: 9:30 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.32

Load 4:
Signature of Transporter Representative: RA
Date of Shipment: 6/8/2010
Time of Shipment: 10:13 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 17.88

Load 5:
Signature of Transporter Representative: RA
Date of Shipment: 6/8/2010
Time of Shipment: 11:08 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 17.15

Load 6:
Signature of Transporter Representative: RA
Date of Shipment: 6/8/2010
Time of Shipment: 12:10 ☐ AM ☑ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.01

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 102.28 JT
Total Carried Forward (cu. yds./tons): 2121.17
Total Carried Forward and This Page (cu. yds./tons): 2223.45

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 29 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: RG
Date of Shipment: 6/8/2010
Time of Shipment: 8:10 ☑ AM ☐ PM
Truck/Tractor Registration: 551 / M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 19.03

Load 2:
Signature of Transporter Representative: RG
Date of Shipment: 6/8/2010
Time of Shipment: 8:48 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 17.44

Load 3:
Signature of Transporter Representative: RG
Date of Shipment: 6/8/2010
Time of Shipment: 9:25 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 17.07

Load 4:
Signature of Transporter Representative: RG
Date of Shipment: 6/8/2010
Time of Shipment: 10:03 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.16

Load 5:
Signature of Transporter Representative: RG
Date of Shipment: 6/8/2010
Time of Shipment: 10:40 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 18.12

Load 6:
Signature of Transporter Representative: RG
Date of Shipment: 6/8/2010
Time of Shipment: 11:15 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 11:35 AM
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): ~~31.70~~ 15.85

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 103.67
Total Carried Forward (cu. yds./tons): 2223.45
Total Carried Forward and This Page (cu. yds./tons) 2327.12

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Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 30 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative: WD
Date of Shipment: 6/8/2010
Time of Shipment: 8:38 ☑ AM ☐ PM
Truck/Tractor Registration: 557 / M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 10.27

Load 2:
Signatiure of Transporter Representative: WD
Date of Shipment: 6/8/2010
Time of Shipment: 9:25 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 8.52

Load 3:
Signatiure of Transporter Representative: WD
Date of Shipment: 6/8/2010
Time of Shipment: 9:55 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 10.91

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 10:30 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 9.36

Load 5:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 39.06
Total Carried Forward (cu. yds./tons): 2327.12
Total Carried Forward and This Page (cu. yds./tons) 2366.18

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Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 31 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 10:15 ☑ AM ☐ PM
Truck/Tractor Registration: 554/M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: C.H.L RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 18.01

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/10
Time of Shipment: 11:00 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.81

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/10
Time of Shipment: 11:40 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 14.07

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 2:15 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 19.05

Load 5:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/10
Time of Shipment: 3:00 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 21.06

Load 6:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/10
Time of Shipment: 3:40 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RC
Date of Receipt: 6/8/10
Time of Receipt: 3:54 ☐ AM ☑ PM
Load Size (cu. yds./tons): 20.37

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 109.37
Total Carried Forward (cu. yds./tons): 2366.18
Total Carried Forward and This Page (cu. yds./tons): 2475.55

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

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SUMMARY SHEET 32 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 10:20 ☑ AM ☐ PM
Truck/Tractor Registration: 559 / M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 7.37

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 11:05 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 7.90

Load 3:
Signatiure of Transporter Representative: ~~[illegible]~~ ft.
Date of Shipment: 6/8/2010
Time of Shipment: ☑ AM ☐ PM
Truck/Tractor Registration: ~~M77823~~ ft.
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): ~~[illegible]~~

Load 4:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 15.27
Total Carried Forward (cu. yds./tons): 2475.55
Total Carried Forward and This Page (cu. yds./tons) 2490.82

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 33 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 10:23 ☑ AM ☐ PM
Truck/Tractor Registration: 51 / M76863
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 14.09

Load 2:
Signature of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 11:10 ☑ AM ☐ PM
Truck/Tractor Registration: M76863
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 14.70

Load 3:
Signature of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 11:55 ☑ AM ☐ PM
Truck/Tractor Registration: M76863
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 15.23

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 44.02
Total Carried Forward (cu. yds./tons): 2490.82
Total Carried Forward and This Page (cu. yds./tons): 2534.84

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 34 **OF** 34

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 11:13 ☑ AM ☐ PM
Truck/Tractor Registration: 575 / M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 6/8/10
Time of Receipt: 11:31 ☑ AM ☐ PM
Load Size (cu. yds./tons): 7.09

Load 2:
Signatiure of Transporter Representative: RG
Date of Shipment: 6/8/2010
Time of Shipment: 12:15 ☐ AM ☑ PM
Truck/Tractor Registration: 551 / M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 20.63

Load 3:
Signatiure of Transporter Representative: RG
Date of Shipment: 6/8/2010
Time of Shipment: 1:30 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 16.34

Load 4:
Signatiure of Transporter Representative: RG
Date of Shipment: 6/8/2010
Time of Shipment: 2:05 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 19.47

Load 5:
Signatiure of Transporter Representative: RG
Date of Shipment: 6/8/2010
Time of Shipment: 2:45 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 6-8-10
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons): 21.58

Load 6:
Signatiure of Transporter Representative:
Date of Shipment: 6/8/2010
Time of Shipment: 3:25 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 6/8/10
Time of Receipt: 3:46 ☐ AM ☑ PM
Load Size (cu. yds./tons): 20.04

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 105.08
Total Carried Forward (cu. yds./tons): 2534.84
Total Carried Forward and This Page (cu. yds./tons) 2639.92

FINAL
188 LOADS

END BOL

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 1 **OF** 1

Release Tracking Number
4 - 17604

K. SUMMARY OF SHIPMENTS:

Date of Shipment:	Date of Receipt:	Number of Loads Shipped:	Daily Volume Shipped (cu. yds./tons):
6/4/2010	6/4/2010	54	707.06
6/7/2010	6/7/2010	78	1114.71
6/8/2010	6/8/2010	56	818.15
Summary Sheet Total Shipped:		188 LOADS.	2639.92 TONS
Bill of Lading Total Shipped (only if different):		188	

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030

SUMMARY SHEET

Release Tracking Number
4 - 17604

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print):

Title:

Signature:

Date: 6/17/10

M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in herein is, to the best of my knowledge and belief, true, accurate and complete, I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature:

Date: 6/17/2010

Name of Person (print): DAVID FREDETTE

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297574
Date: 6/4/2010
Time:08:12:51 - 08:14:24

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 63120 LB Scale
Tare: 29180 LB PreTare
Net: 33940 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.97 Tons

Driver: FP

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Tickets: 297584
Date: 6/4/2010
Time:08:54:56 - 08:55:22

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 59740 LB Scale
Tare: 29180 LB PreTare
Net: 30560 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.28 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Tickets: 297593
Date: 6/4/2010
Time:09:30:05 - 09:30:21

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	59360 LB	Scale
Tare:	29180 LB	PreTare
Net:	30180 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.09 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Tickets: 297602
Date: 6/4/2010
Time:10:06:39 - 10:06:54

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	62860 LB	Scale
Tare:	29180 LB	PreTare
Net:	32880 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.44 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297689
Date: 6/4/2010
Time:10:44:02 - 10:44:21

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 59880 LB Scale
Tare: 29180 LB PreTare
Net: 30700 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.35 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297622
Date: 6/4/2010
Time: 11:21:43 - 11:22:00

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 61880 LB Scale
Tare: 29180 LB PreTare
Net: 32700 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.35 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297577
Date: 6/4/2010
Time:00:19:34 - 00:20:34

CRAPO HILL LANDFILL

SCALE PHONE 508-990-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 61700 LB Scale
Tare: 25640 LB PreTare
Net: 36060 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.03 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297586
Date: 6/4/2010
Time:09:01:02 - 09:01:15

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 62300 LB Scale
Tare: 25640 LB PreTare
Net: 36660 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.33 Tons

Driver: RLS

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297596
Date: 6/4/2010
Time:09:40:22 - 09:40:37

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	63280 LB	Scale
Tare:	25640 LB	PreTare
Net:	37640 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.82 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297604
Date: 6/4/2010
Time:10:18:39 - 10:18:52

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 58180 LB Scale
Tare: 25640 LB PreTare
Net: 32540 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.27 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297615
Date: 6/4/2010
Time:10:57:08 - 10:57:21

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 57380 LB Scale
Tare: 25640 LB PreTare
Net: 31740 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.87 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297625
Date: 6/4/2010
Time:11:37:28 - 11:37:41

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 62460 LB Scale
Tare: 25640 LB PreTare
Net: 36820 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.41 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297578
Date: 6/4/2010
Time:08:22:44 - 08:23:06

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 33960 LB Scale
Tare: 16100 LB PreTare
Net: 17860 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.93 Tons

Drivers: _____

Deputy Weighmasters: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297587
Date: 6/4/2010
Time:09:04:00 - 09:04:21

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	35580 LB	Scale
Tare:	16100 LB	PreTare
Net:	19480 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.74 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297599
Date: 6/4/2010
Time:09:47:04 - 09:47:24

CRAPO HILL LANDFILL

SCALE PHONE 508-990-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 36440 LB Scale
Tare: 16100 LB PreTare
Net: 20340 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.17 Tons

Drivers: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297606
Date: 6/4/2010
Time:10:27:40 - 10:27:59

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 35340 LB Scale
Tare: 16100 LB PreTare
Net: 19240 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.62 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297617
Date: 6/4/2010
Time:11:01:09 - 11:01:26

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 35860 LB Scale
Tare: 16100 LB PreTare
Net: 19760 LB

Comment: RIVERRD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.88 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297626
Date: 6/4/2010
Time:11:41:32 - 11:41:47

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 36800 LB Scale
Tare: 16100 LB PreTare
Net: 20700 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.39 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297580
Date: 6/4/2010
Time: 08:39:49 - 08:40:09

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 30800 LB Scale
Tare: 15800 LB PreTare
Net: 15000 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.54 Tons

Driver: [signature]

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297592
Date: 6/4/2010
Time:09:23:48 - 09:24:14

CRAPO HILL LANDFILL

SCALE PHONE 508-990-5674

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 30740 LB Scale
Tare: 15800 LB PreTare
Net: 14940 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.47 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297603
Date: 6/4/2010
Time: 10:07:56 - 10:08:12

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 185-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 31080 LB Scale
Tare: 15800 LB PreTare
Net: 15280 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.64 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297611
Date: 6/4/2010
Time: 10:48:26 - 10:48:39

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 30000 LB Scale
Tare: 15800 LB PreTare
Net: 14200 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.10 Tons

Driver: Greg Mc

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297624
Date: 6/4/2010
Time: 11:28:36 - 11:28:57

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 31800 LB Scale
Tare: 15800 LB PreTare
Net: 16000 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.00 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297630
Date: 6/4/2010
Time: 12:11:57 - 12:12:35

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 30700 LB Scale
Tare: 15800 LB PreTare
Net: 14900 LB

Comment:

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.45 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297579
Date: 6/4/2010
Time:08:37:28 - 08:37:50

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	58120 LB	Scale
Tare:	26560 LB	PreTare
Net:	31560 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.78 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297590
Date: 6/4/2010
Time:09:18:50 - 09:19:04

CRAPO HILL LANDFILL

SCALE PHONE 508-990-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 61280 LB Scale
Tare: 26560 LB PreTare
Net: 34720 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.36 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297601
Date: 6/4/2010
Time:10:04:34 - 10:04:59

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 57680 LB Scale
Tare: 26560 LB PreTare
Net: 31120 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.56 Tons

Drivers: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297607
Date: 6/4/2010
Time: 10:38:42 - 10:38:55

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 57560 LB Scale
Tare: 26560 LB PreTare
Net: 31000 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.50 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297619
Date: 6/4/2010
Time: 11:16:41 -- 11:16:54

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD --
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 58480 LB Scale
Tare: 26560 LB PreTare
Net: 31920 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.96 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297628
Date: 6/4/2010
Time: 11:51:59 - 11:52:13

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 57620 LB Scale
Tare: 26560 LB PreTare
Net: 31060 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.53 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297583
Date: 6/4/2010
Time:08:53:00 - 08:53:17

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-556
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	32920 LB	Scale
Tare:	17280 LB	PreTare
Net:	15640 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.82 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297597
Date: 6/4/2010
Time:09:42:54 - 09:43:09

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-556
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 33600 LB Scale
Tare: 17200 LB PreTare
Net: 16400 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.20 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297605
Date: 6/4/2019
Time:10:26:23 - 10:26:37

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-556
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	32580 LB	Scale
Tare:	17280 LB	PreTare
Net:	15300 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.65 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297618
Date: 6/4/2010
Time:11:13:04 - 11:13:31

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-556
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 34540 LB Scale
Tare: 17280 LB PreTare
Net: 17260 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.63 Tons

Drivers: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297646
Date: 6/4/2010
Time: 13:23:54 - 13:24:23

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	58040 LB	Scale
Tare:	30320 LB	PreTare
Net:	27720 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	13.86 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297629
Date: 6/4/2010
Time: 11:55:35 - 11:56:07

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	62340 LB	Scale
Tare:	29180 LB	PreTare
Net:	33160 LB	

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.58 Tons

Driver: FP

Deputy Weighmaster: RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297635
Date: 6/4/2010
Time:12:36:42 - 12:37:01

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 62020 LB Scale
Tare: 29180 LB PreTare
Net: 32840 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.42 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297645
Date: 6/4/2010
Time: 13:15:24 - 13:15:43

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 60340 LB Scale
Tare: 29180 LB PreTare
Net: 31160 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.58 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297663
Date: 6/4/2010
Time:13:54:53 - 13:55:09

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 9AC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 62700 LB Scale
Tare: 29180 LB PreTare
Net: 33520 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.76 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297631
Date: 6/4/2010
Time: 12:16:17 - 12:16:32

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	62760 LB	Scale
Tare:	25640 LB	PreTare
Net:	37120 LB	

Comment:

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.56 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297638
Date: 6/4/2010
Time:12:53:50 - 12:54:04

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 62400 LB Scale
Tare: 25640 LB PreTare
Net: 36760 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.38 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297649
Date: 6/4/2010
Time:13:32:50 - 13:33:07

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 59480 LB Scale
Tare: 25640 LB PreTare
Net: 33840 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.92 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297666
Date: 6/4/2010
Time: 14:06:43 - 14:07:00

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	57520 LB	Scale
Tare:	25640 LB	PreTare
Net:	31880 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.94 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297633
Date: 6/4/2010
Time:12:19:13 - 12:19:25

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 35920 LB Scale
Tare: 16100 LB PreTare
Net: 19820 LB

Comment:

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.91 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297640
Date: 6/4/2010
Time: 12:57:25 - 12:57:39

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	34460 LB	Scale
Tare:	16100 LB	PreTare
Net:	18360 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.18 Tons

Drivers: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297650
Date: 6/4/2010
Time: 13:34:36 - 13:34:54

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	35860 LB	Scale
Tare:	16100 LB	PreTare
Net:	19760 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.88 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297667
Date: 6/4/2010
Time: 14:12:02 - 14:12:20

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 35580 LB Scale
Tare: 16100 LB PreTare
Net: 19480 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.74 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297732
Date: 6/7/2010
Time: 10:09:13 - 10:09:23

Truck: 105-556
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	33500 LB	Scale
Tare:	17280 LB	PreTare
Net:	16220 LB	

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.11 Tons

Driver: Jose B. Silva

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297740
Date: 6/7/2010
Time: 10:57:28 - 10:57:35

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-556
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 34380 LB Scale
Tare: 17280 LB PreTare
Net: 17100 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	0.55 Tons

Driver: Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297634
Date: 6/4/2010
Time:12:31:05 - 12:31:19

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 61080 LB Scale
Tare: 26560 LB PreTare
Net: 34520 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.26 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297643
Date: 6/4/2010
Time: 13:07:46 - 13:08:03

CRAPO HILL LANDFILL

SCALE PHONE 508-990-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 56060 LB Scale
Tare: 25760 LB PreTare
Net: 30300 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.15 Tons

Drivers: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297655
Date: 6/4/2010
Time:13:43:54 - 13:44:10

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 56880 LB Scale
Tare: 26560 LB PreTare
Net: 30320 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.16 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297671
Date: 6/4/2010
Time:14:20:05 - 14:20:25

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 59640 LB Scale
Tare: 26560 LB PreTare
Net: 33080 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.54 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297639
Date: 6/4/2010
Time: 12:55:53 - 12:56:10

CRAPO HILL LANDFILL

SCALE PHONE 508-990-5674

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	32020 LB	Scale
Tare:	15800 LB	PreTare
Net:	16220 LB	

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.11 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297653
Date: 6/4/2010
Time: 13:40:40 - 13:40:59

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 29080 LB Scale
Tare: 15800 LB PreTare
Net: 13280 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	6.64 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297672
Date: 6/4/2010
Time:14:21:56 - 14:22:13

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 30520 LB Scale
Tare: 15800 LB PreTare
Net: 14720 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.36 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Tickets: 297718
Date: 6/7/2010
Time:09:04:47 - 09:05:01

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	62400 LB	Scale
Tare:	25640 LB	PreTare
Net:	36760 LB	

Comments: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.38 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297724
Date: 6/7/2010
Time: 09:39:18 - 09:39:07

CKAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 60380 LB Scale
Tare: 25640 LB PreTare
Net: 34740 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.37 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297733
Date: 6/7/2010
Time: 10:15:17 - 10:15:25

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 63140 LB Scale
Tare: 25640 LB PreTare
Net: 37500 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD,	50/DOMESTIC WASTE	18.75 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297712
Date: 6/7/2010
Time:08:29:44 - 08:30:00

CROPO HILL LANDFILL

SCALE PHONE 508-990-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 61580 LB Scale
Tare: 29180 LB PreTare
Net: 32400 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.20 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Tickets: 297719
Date: 6/7/2010
Time: 09:08:22 - 09:08:31

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	64620 LB	Scale
Tare:	29180 LB	PreTare
Net:	35440 LB	

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.72 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297725
Date: 6/7/2010
Time: 09:44:01 - 09:44:09

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 63040 LB Scale
Tare: 29180 LB PreTare
Net: 33860 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.93 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297734
Date: 6/7/2010
Time: 10:19:28 - 10:19:37

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE W Truck Type: DUMP TRUCK

Gross: 64780 LB Scale
Tare: 29180 LB PreTare
Net: 35600 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.80 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297741
Date: 6/7/2010
Time:10:58:53 - 10:59:08

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 64100 LB Scale
Tare: 29180 LB PreTare
Net: 34920 LB

Comment: RUVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.46 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297710
Date: 6/7/2010
Time:07:57:07 - 07:57:16

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5274

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 31100 LB Scale
Tare: 14060 LB PreTare
Net: 17040 LB

Comment:

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.52 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297716
Date: 6/7/2010
Time:08:39:39 - 08:39:50

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	29300 LB	Scale
Tare:	14060 LB	PreTare
Net:	15240 LB	

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.62 Tons

Driver: Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297721
Date: 6/7/2010
Time:09:16:51 - 09:16:59

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 30060 LB Scale
Tare: 14060 LB PreTare
Net: 16000 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.00 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297728
Date: 6/7/2010
Time:09:52:46 - 09:52:55

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 31580 LB Scale
Tare: 14060 LB PreTare
Net: 17520 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.76 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297735
Date: 6/7/2010
Time:10:26:22 - 10:26:29

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 30320 LB Scale
Tare: 14060 LB PreTare
Net: 16260 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.13 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297743
Date: 6/7/2010
Time:11:01:30 - 11:01:37

CRAPO HILL LANDFILL

SCALE PHONE 508-990-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 31720 LB Scale
Tare: 14060 LB PreTare
Net: 17660 LB

Comments: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.83 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297713
Date: 6/7/2010
Time:08:35:56 - 08:36:08

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	56340 LB	Scale
Tare:	26560 LB	PreTare
Net:	29780 LB	

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	14.89 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297722
Date: 6/7/2010
Time:09:19:53 - 09:20:01

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 59040 LB Scale
Tare: 26560 LB PreTare
Net: 32480 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.24 Tons

Driver:

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297731
Date: 6/7/2010
Time:10:01:18 - 10:01:25

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 62660 LB Scale
Tare: 26560 LB PreTare
Net: 36100 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.05 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297738
Date: 6/7/2010
Time: 10:45:22 - 10:45:33

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 60520 LB Scale
Tare: 26560 LB PreTare
Net: 33960 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.98 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297747
Date: 6/7/2010
Time:11:26:32 - 11:26:44

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 61200 LB Scale
Tare: 26560 LB PreTare
Net: 34640 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.32 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297754
Date: 6/7/2010
Time:12:08:52 - 12:09:02

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 61500 LB Scale
Tare: 26560 LB PreTare
Net: 34940 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.47 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297714
Date: 6/7/2010
Time: 08:37:24 - 08:37:40

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 36160 LB Scale
Tare: 16100 LB PreTare
Net: 20060 LB

Comments: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.03 Tons

Driver: Bill Davis

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297723
Date: 6/7/2010
Time: 09:21:19 - 09:21:27

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	35080 LB	Scale
Tare:	16100 LB	PreTare
Net:	18980 LB	

Comments: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.46 Tons

Driver: Bill Days

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297730
Date: 6/7/2010
Time:09:58:12 - 09:58:19

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	36080 LB	Scale
Tare:	16100 LB	PreTare
Net:	19980 LB	

Comments: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.99 Tons

Driver: Bill Davis

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297737
Date: 6/7/2010
Time:10:32:30 - 10:32:46

CRAPO HILL LANDFILL

SCALE PHONE 508-990-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	33720 LB	Scale
Tare:	16100 LB	PreTare
Net:	17620 LB	

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.81 Tons

Driver: Bill Dyer

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297745
Date: 6/7/2010
Time: 11:11:29 - 11:11:36

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 34140 LB Scale
Tare: 16100 LB PreTare
Net: 18040 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.02 Tons

Driver: B.H. Days

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297751
Date: 6/7/2010
Time: 11:48:06 - 11:48:12

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	37240 LB	Scale
Tare:	16100 LB	PreTare
Net:	21140 LB	

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.57 Tons

Driver: Bill Davis

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297739
Date: 6/7/2010
Time: 10:50:20 - 10:50:36

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 63680 LB Scale
Tare: 25640 LB PreTare
Net: 38040 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.02 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297748
Date: 6/7/2010
Time: 11:27:52 - 11:28:04

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	61060 LB	Scale
Tare:	25640 LB	PreTare
Net:	35420 LB	

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.71 Tons

Driver: RL

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297752
Date: 6/7/2010
Time: 12:03:14 - 12:03:25

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 66400 LB Scale
Tare: 25640 LB PreTare
Net: 40760 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	20.38 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297759
Date: 6/7/2010
Time:12:39:35 - 12:39:44

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 63640 LB Scale
Tare: 25640 LB PreTare
Net: 38000 LB

Comments: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.00 Tons

Drivers: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297768
Date: 6/7/2010
Time:13:13:51 - 13:14:03

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	65300 LB	Scale
Tare:	25640 LB	PreTare
Net:	39660 LB	

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.83 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297778
Date: 6/7/2010
Time:13:49:21 - 13:49:33

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 62980 LB Scale
Tare: 25640 LB PreTare
Net: 37340 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.67 Tons

Driver: Ralph

Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297749
Date: 6/7/2010.
Time: 11:33:45 - 11:33:55

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 63520 LB Scale
Tare: 29180 LB PreTare
Net: 34340 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.17 Tons

Drivers: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297756
Date: 6/7/2010
Time:12:15:50 - 12:16:04

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	62600 LB	Scale
Tare:	29180 LB	PreTare
Net:	33420 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.71 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297763
Date: 6/7/2010
Time:12:55:44 - 12:55:51

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 65920 LB Scale
Tare: 29180 LB PreTare
Net: 36740 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.37 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 237773
Date: 6/7/2010
Time:13:33:50 - 13:33:50

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 66000 LB Scale
Tare: 29100 LB PreTare
Net: 36900 LB

Comments: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.45 Tons

Drivers: FP

Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297788
Date: 6/7/2010
Time: 14:28:21 - 14:28:50

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 61900 LB Scale
Tare: 29180 LB PreTare
Net: 32720 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.36 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297882
Date: 6/7/2010
Time:15:10:09 - 15:10:15

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 185-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 185/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	62740 LB	Scale
Tare:	29180 LB	PreTare
Net:	33560 LB	

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.78 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297750
Date: 6/7/2010
Time: 11:35:56 - 11:36:04

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 30960 LB Scale
Tare: 14060 LB PreTare
Net: 16900 LB

Comments: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.45 Tons

Drivers: Sajl Flor

Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297757
Date: 6/7/2010
Time: 12:17:40 - 12:17:52

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	31220 LB	Scale
Tare:	14060 LB	PreTare
Net:	17160 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.58 Tons

Driver: Jose M.

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297765
Date: 6/7/2010
Time:12:59:21 - 12:59:29

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 32180 LB Scale
Tare: 14060 LB PreTare
Net: 18120 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.06 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Tickets: 297776
Date: 6/7/2010
Time:13:44:52 - 13:45:02

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	33080 LB	Scale
Tare:	14060 LB	PreTare
Net:	19020 LB	

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.51 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297785
Date: 6/7/2010
Time:14:21:19 - 14:21:26

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 30360 LB Scale
Tare: 14060 LB PreTare
Net: 16300 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.15 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297800
Date: 6/7/2010
Time:15:04:42 - 15:04:52

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 32440 LB Scale
Tare: 14060 LB PreTare
Net: 18380 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.19 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297755
Date: 6/7/2010
Time: 12:13:31 - 12:14:10

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 59320 LB Scale
Tare: 30320 LB PreTare
Net: 29000 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	14.50 Tons

Driver: Jose E. Silva

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297764
Date: 6/7/2010
Time:12:57:45 - 12:58:03

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 59100 LB Scale
Tare: 30320 LB PreTare
Net: 28860 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	58/DOMESTIC WASTE	14.43 Tons

Driver: Jose E. Silva

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297775
Date: 6/7/2010
Time:13:42:55 - 13:43:07

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 61960 LB Scale
Tare: 30320 LB PreTare
Net: 31640 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.82 Tons

Driver: Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297786
Date: 6/7/2010
Time: 14:24:11 - 14:24:24

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 60840 LB Scale
Tare: 30320 LB PreTare
Net: 30520 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.26 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL PERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297801
Date: 6/7/2010
Time:15:08:39 - 15:08:56

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 61680 LB Scale
Tare: 30320 LB PreTare
Net: 31360 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.68 Tons

Driver: Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297808
Date: 6/7/2010
Time:15:52:10 - 15:52:20

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 64620 LB Scale
Tare: 30320 LB PreTare
Net: 34300 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.15 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297750
Date: 6/7/2010
Time:12:25:17 - 12:25:28

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 34920 LB Scale
Tare: 16100 LB PreTare
Net: 18820 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.41 Tons

Driver: B A Doty

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

DRAPO HILL LANDFILL

SCALE PHONE 508-996-5674

Ticket: 297766
Date: 6/7/2010
Time:13:00:18 - 13:00:26

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 35880 LB Scale
Tare: 16100 LB PreTare
Net: 19780 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.89 Tons

Driver: Bill Davis

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297774
Date: 6/7/2010
Time:13:40:22 - 13:40:29

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 36500 LB Scale
Tare: 16100 LB PreTare
Net: 20400 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.20 Tons

Driver: B. A Days

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297783
Date: 6/7/2010
Time:14:17:59 - 14:18:05

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE.WTruck Type: DUMP TRUCK

Gross:	35260 LB	Scale
Tare:	16100 LB	PreTare
Net:	19160 LB	

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.58 Tons

Driver: Bill Doyle

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 237804
Date: 6/7/2010
Time:15:20:09 - 15:28:16

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 36600 LB Scale
Tare: 16100 LB PreTare
Net: 20500 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.25 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297810
Date: 6/7/2010
Time:16:15:07 - 16:15:15

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 37340 LB Scale
Tare: 16100 LB PreTare
Net: 21240 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.62 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297760
Date: 6/7/2010
Time:12:51:27 - 12:51:39

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 63340 LB Scale
Tare: 26560 LB PreTare
Net: 36780 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	60/DOMESTIC WASTE	18.39 Tons

Driver:

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297772
Date: 6/7/2010
Time:13:32:13 - 13:32:22

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 62740 LB Scale
Tare: 26560 LB PreTare
Net: 36180 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.09 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297742
Date: 6/7/2010
Time: 14:16:29 - 14:16:37

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 59360 LB Scale
Tare: 26560 LB PreTare
Net: 32800 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.40 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297005
Date: 6/7/2010
Time:15:35:27 - 15:35:36

CRAPO HILL LANDFILL

SCALE PHONE 508-990-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD --
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 61320 LB Scale
Tare: 26560 LB PreTare
Net: 34760 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.38 Tons

Driver: Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297811
Date: 6/7/2010
Time: 16:16:35 - 16:16:43

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 64260 LB Scale
Tare: 26560 LB PreTare
Net: 37700 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.85 Tons

Driver: Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297816
Date: 6/7/2010
Time:16:54:40 - 16:54:48

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 59600 LB Scale
Tare: 26560 LB PreTare
Net: 33040 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.52 Tons

Driver: Jack Pustatio Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

22-1

Ticket: 297791
Date: 6/7/2010
Time: 14:44:48 - 14:44:59

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 64860 LB Scale
Tare: 25640 LB PreTare
Net: 39220 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.61 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

22-2

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297803
Date: 6/7/2010
Time:15:27:10 - 15:27:16

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 65400 LB Scale
Tare: 25640 LB PreTare
Net: 39760 LB

Comments: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.88 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

22-3

Ticket: 297809
Date: 6/7/2010
Time:16:12:46 - 16:12:53

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 64360 LB Scale
Tare: 25640 LB PreTare
Net: 38720 LB

Comments: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.36 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

22-4

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297815
Date: 6/7/2010
Time:16:49:43 - 16:49:57

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 64080 LB Scale
Tare: 25640 LB PreTare
Net: 38440 LB

Comments: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.22 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297020
Date: 6/7/2019
Time: 17:25:59 - 17:26:23

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	60780 LB	Scale
Tare:	25640 LB	PreTare
Net:	35140 LB	

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.57 Tons

Driver: _____

Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297825
Date: 6/8/2010
Time: 07:47:35 - 07:47:47

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 67600 LB Scale
Tare: 25640 LB PreTare
Net: 41960 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	20.98 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Tickets: 297806
Date: 6/7/2010
Time:15:42:43 - 15:42:51

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 32300 LB Scale
Tare: 14060 LB PreTare
Net: 18240 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.12 Tons

Drivers: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297812
Date: 6/7/2010
Time:16:19:01 - 16:19:08

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 32260 LB Scale
Tare: 14060 LB PreTare
Net: 18200 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.10 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297810
Date: 6/7/2010
Time:17:01:17 - 17:01:24

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 32860 LB Scale
Tare: 14060 LB PreTare
Net: 18800 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.40 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297834
Date: 6/8/2010
Time:08:36:20 - 08:36:42

GRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 61160 LB Scale
Tare: 30040 LB PreTare
Net: 31120 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.56 Tons

Driver: Deputy Weighmaster: RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297848
Date: 6/8/2010
Time:09:13:37 - 09:14:05

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 63680 LB Scale
Tare: 30040 LB PreTare
Net: 33640 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.82 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297858
Date: 6/8/2010
Time:09:57:48 - 09:58:01

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	59620 LB	Scale
Tare:	30040 LB	PreTare
Net:	29580 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	14.79 Tons

Driver: Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297007
Date: 6/7/2010
Time:15:46:58 - 15:47:07

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 66040 LB Scale
Tare: 29180 LB PreTare
Net: 36860 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.43 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297813
Date: 6/7/2010
Time:16:21:43 - 16:21:50

CRAPO HILL LANDFILL

SCALE PHONE 508-998-3674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 60660 LB Scale
Tare: 29180 LB PreTare
Net: 31480 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.74 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297826
Date: 6/8/2010
Time:07:49:59 - 07:50:09

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 68260 LB Scale
Tare: 29180 LB PreTare
Net: 39080 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.54 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297832
Date: 6/8/2010
Time: 08:29:03 - 08:29:14

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 66720 LB Scale
Tare: 29180 LB PreTare
Net: 37540 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.77 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297844
Date: 6/8/2010
Time:09:07:32 - 09:07:42

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 63560 LB Scale
Tare: 29180 LB PreTare
Net: 34380 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.19 Tons

Driver: GP

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297856
Date: 6/6/2010
Time:09:50:53 - 09:51:04

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 62240 LB Scale
Tare: 29180 LB PreTare
Net: 33060 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.53 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297814
Date: 6/7/2010
Time:16:34:14 - 16:34:28

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	65580 LB	Scale
Tare:	30320 LB	PreTare
Net:	35260 LB	

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.63 Tons

Driver: Jim E. [illegible]

Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297819
Date: 6/7/2010
Time: 17:13:40 - 17:13:50

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 63000 LB Scale
Tare: 30320 LB PreTare
Net: 32680 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.34 Tons

Driver: Joe R. Silva

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297827
Date: 6/8/2010
Time:07:53:49 - 07:54:01

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 33180 LB Scale
Tare: 14060 LB PreTare
Net: 19120 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.56 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297833
Date: 6/8/2010
Time:08:30:49 - 08:30:58

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 31300 LB Scale
Tare: 14060 LB PreTare
Net: 17240 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.62 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297846
Date: 6/8/2010
Time:09:09:39 - 09:09:51

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 30580 LB Scale
Tare: 14060 LB PreTare
Net: 16520 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.26 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297857
Date: 6/8/2010
Time: 09:52:20 - 09:52:32

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	28660 LB	Scale
Tare:	14060 LB	PreTare
Net:	14600 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.30 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297817
Date: 6/7/2010
Time:17:00:01 - 17:00:08

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 36400 LB Scale
Tare: 16100 LB PreTare
Net: 20300 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.15 Tons

Driver: _____

Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297828
Date: 6/8/2010
Time:08:08:17 - 08:08:57

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 32140 LB Scale
Tare: 15800 LB PreTare
Net: 16340 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.17 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297036
Date: 6/8/2010
Time: 08:49:25 - 08:49:37

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 31640 LB Scale
Tare: 15800 LB PreTare
Net: 15840 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.92 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297849
Date: 6/8/2010
Time: 09:25:27 - 09:25:34

CROWN HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	31460 LB	Scale
Tare:	15800 LB	PreTare
Net:	15660 LB	

Comment:

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.83 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297861
Date: 6/8/2010
Time:10:12:45 - 10:13:01

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 32520 LB Scale
Tare: 15800 LB PreTare
Net: 16720 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.36 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297876
Date: 6/8/2010
Time:10:50:20 - 10:50:32

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 185/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 31040 LB Scale
Tare: 15800 LB PreTare
Net: 15240 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.62 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297829
Date: 6/8/2010
Time:08:12:14 - 08:12:27

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 64400 LB Scale
Tare: 30320 LB PreTare
Net: 34080 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.04 Tons

Driver: Jony E. Silva

Deputy Weighmaster: RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297837
Date: 6/8/2010
Time: 08:52:33 - 08:52:49

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 61920 LB Scale
Tare: 30320 LB PreTare
Net: 31600 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.80 Tons

Drivers: Jose L. Silva

Deputy Weighmaster: RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297851
Date: 6/8/2010
Time: 09:34:07 - 09:34:17

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 57500 LB Scale
Tare: 30320 LB PreTare
Net: 27180 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	58/DOMESTIC WASTE	13.59 Tons

Driver: Jose L. Silva

Deputy Weighmaster: RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297866
Date: 6/8/2010
Time: 10:20:02 - 10:20:17

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 55800 LB Scale
Tare: 30320 LB PreTare
Net: 25480 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	12.74 Tons

Driver: Jose B. Silva

Deputy Weighmaster: RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297878
Date: 6/8/2010
Time: 10:58:21 - 10:58:29

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	57260 LB	Scale
Tare:	30320 LB	PreTare
Net:	26940 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	13.47 Tons

Driver: Jose B. Silva

Deputy Weighmaster: RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297888
Date: 6/8/2010
Time: 11:41:00 - 11:41:09

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 56200 LB Scale
Tare: 30320 LB PreTare
Net: 25880 LB

River Road

Comment:

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	12.94 Tons

Driver: Joe Batista Silva

Deputy Weighmaster: RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297830
Date: 6/8/2010
Time: 08:15:09 - 08:15:20

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 63000 LB Scale
Tare: 26560 LB PreTare
Net: 36440 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.22 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297041
Date: 6/8/2010
Time:09:01:37 - 09:01:50

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 59960 LB Scale
Tare: 26560 LB PreTare
Net: 33400 LB

Comment: RIVERRD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.70 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297854
Date: 6/8/2010
Time:09:46:37 - 09:46:50

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	59200 LB	Scale
Tare:	26560 LB	PreTare
Net:	32640 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.32 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297869
Date: 6/8/2010
Time:10:29:29 - 10:29:40

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 62320 LB Scale
Tare: 26560 LB PreTare
Net: 35760 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.88 Tons

Drivers: _____

Deputy Weighmasters: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297883
Date: 6/8/2010
Time: 11:26:32 - 11:26:43

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 60860 LB Scale
Tare: 26560 LB PreTare
Net: 34300 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.15 Tons

Drivers: _____

Deputy Weighmasters: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297095
Date: 6/8/2010
Time: 12:27:45 - 12:27:54

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 58580 LB Scale
Tare: 26560 LB PreTare
Net: 32020 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.01 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297831
Date: 6/8/2010
Time:08:24:05 - 08:24:19

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 63700 LB Scale
Tare: 25640 LB PreTare
Net: 38060 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.03 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297042
Date: 6/8/2010
Time:09:03:08 - 09:03:18

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 60520 LB Scale
Tare: 25640 LB PreTare
Net: 34880 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.44 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297853
Date: 6/8/2010
Time: 09:37:47 - 09:38:00

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 59780 LB Scale
Tare: 25640 LB PreTare
Net: 34140 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.07 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Tickets: 297864
Date: 6/8/2010
Time:10:18:11 - 10:18:23

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 57960 LB Scale
Tare: 25640 LB PreTare
Net: 32320 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.16 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297877
Date: 6/8/2010
Time:10:52:07 - 10:52:19

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 61880 LB Scale
Tare: 25640 LB PreTare
Net: 36240 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.12 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297887
Date: 6/8/2010
Time: 11:35:38 - 11:36:01

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	57340 LB	Scale
Tare:	25640 LB	PreTare
Net:	31700 LB	

Comment: RIVER ROAD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.85 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297838
Date: 6/8/2010
Time:08:54:09 - 08:54:24

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 36640 LB Scale
Tare: 16100 LB PreTare
Net: 20540 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.27 Tons

Driver: Bill Davis

Deputy Weighmaster: RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297050
Date: 6/8/2010
Time: 09:29:33 - 09:29:46

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 33140 LB Scale
Tare: 16100 LB PreTare
Net: 17040 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.52 Tons

Driver: Bill Davis

Deputy Weighmaster: RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297860
Date: 6/8/2010
Time:10:10:07 - 10:10:17

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 37920 LB Scale
Tare: 16100 LB PreTare
Net: 21820 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	58/DOMESTIC WASTE	10.91 Tons

Driver: Bin Dats

Deputy Weighmaster: RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297875
Date: 6/8/2010
Time:10:42:31 - 10:42:40

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 34820 LB Scale
Tare: 16100 LB PreTare
Net: 18720 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.36 Tons

Driver: Bill Davis

Deputy Weighmaster: RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Tickets: 297870
Date: 6/8/2010
Time:10:32:24 - 10:32:35

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 65200 LB Scale
Tare: 29180 LB PreTare
Net: 36020 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.01 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297879
Date: 6/8/2010
Time: 11:15:54 - 11:16:00

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	62800 LB	Scale
Tare:	29180 LB	PreTare
Net:	33620 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.81 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297891
Date: 6/9/2010
Time: 11:57:10 - 11:57:22

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 57320 LB Scale
Tare: 29180 LB PreTare
Net: 28140 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	14.07 Tons

Driver: _____

Deputy Weighmaster: RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297921
Date: 6/8/2010
Time: 14:36:27 - 14:36:40

CROW HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 67280 LB Scale
Tare: 29180 LB PreTare
Net: 38100 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.05 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297926
Date: 6/8/2010
Time: 15:14:48 - 15:14:58

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 71300 LB Scale
Tare: 29180 LB PreTare
Net: 42120 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	21.06 Tons

Drivers: _____

Deputy Weighmaster: _____
RICHARD MOTA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297920
Date: 6/8/2010
Time:15:53:27 - 15:53:35

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 69920 LB Scale
Tare: 29180 LB PreTare
Net: 40740 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	20.37 Tons

Driver: FP

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297072
Date: 6/8/2010
Time: 10:35:58 - 10:36:09

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 28800 LB Scale
Tare: 14060 LB PreTare
Net: 14740 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.37 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297881
Date: 6/8/2010
Time:11:18:42 - 11:18:58

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	29860 LB	Scale
Tare:	14060 LB	PreTare
Net:	15800 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.90 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297874
Date: 6/8/2010
Time: 10:40:45 - 10:40:54

Truck: 105-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 58220 LB Scale
Tare: 30040 LB PreTare
Net: 28180 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	14.09 Tons

Driver: Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297884
Date: 6/8/2010
Time: 11:27:50 - 11:28:02

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 59440 LB Scale
Tare: 30040 LB PreTare
Net: 29400 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	14.70 Tons

Driver: Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297893
Date: 6/8/2010
Time:12:13:50 - 12:14:03

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 60500 LB Scale
Tare: 30040 LB PreTare
Net: 30460 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.23 Tons

Driver: Jack Ontario

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297806
Date: 6/8/2010
Time: 11:33:14 - 11:33:43

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 29040 LB Scale
Tare: 15000 LB PreTare
Net: 14040 LB

Comment: RIVER ROAD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.02 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297901
Date: 6/8/2010
Time:12:57:24 - 12:57:34

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 66900 LB Scale
Tare: 25640 LB PreTare
Net: 41260 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	20.63 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Tickets: 297904
Date: 6/8/2010
Time:13:39:18 - 13:39:30

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 58320 LB Scale
Tare: 25640 LB PreTare
Net: 32680 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.34 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297914
Date: 6/8/2010
Time:14:18:42 - 14:18:55

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 64580 LB Scale
Tare: 25640 LB PreTare
Net: 38940 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.47 Tons

Driver: Rbl

Deputy Weighmaster: RICHARD ROTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297925
Date: 6/8/2010
Time: 15:02:19 - 15:02:31

CRAPO HILL LANDFILL

SCALE PHONE 508-990-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 68800 LB Scale
Tare: 25640 LB PreTare
Net: 43160 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	21.58 Tons

Driver: Rjd

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297927
Date: 6/8/2010
Time:15:46:07 - 15:46:15

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	65720 LB	Scale
Tare:	25640 LB	PreTare
Net:	40080 LB	

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	20.04 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*
4 - 17604

A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:

Release Name (optional): Former Reliable Truss Site

Street: 246 River Road Location Aid:

City/Town: New Bedford ZIP Code: 02740

Date/Period of Generation: April 28, 2010 to: May 7, 2010

Additional Release Tracking Numbers Associated with this Bill of Lading:

** Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.*

B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

Name of Organization: City of New Bedford, Massachusetts

Name of Contact: Scott Alfonse Title: Director, Dept. of Env. Stewardship

Street: 133 William Street

City/Town: New Bedford State: MA ZIP Code: 02740

Telephone: Ext:

C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

- [ ] RP or PRP Specify: [ ] Owner [ ] Operator [ ] Generator [ ] Transporter Other RP or PRP:
- [x] Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
- [ ] Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
- [ ] Other Person:

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

D. TRANSPORTER OR COMMON CARRIER INFORMATION:

Transporter/Common Carrier Name: New Bedford Department of Public Infrastructure

Contact Person: David Fredette Title: PE

Street: 133 William Street

City/Town: New Bedford State: MA ZIP Code: 02740

Telephone: (508) 979-1528 Ext:

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:

Operator/Facility Name: Crapo Hill Landfill

Contact Person: Hank Van Laarhoven Title: Director of Operations

Street: 300 Samuel Barnett Boulevard

City/Town: New Bedford State: MA ZIP Code: 02740

Telephone: 508-763-5924 Ext:

Type of Facility: (check one)
- [ ] Asphalt Batch/Cold Mix
- [ ] Asphalt Batch/Hot Mix
- [ ] Thermal Processing
- [ ] Landfill/Disposal
- [x] Landfill/Daily Cover
- [ ] Landfill/Structural Fill
- [ ] Incinerator
- [ ] Temporary Storage
- [ ] Other:

EPA Identification #:

Division of Hazardous Waste/Class A Permit #: Division of Solid Waste Management Permit #: 93537

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): to:

Reason for Temporary Storage:

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*
4 - 17604

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued):

Temporary Storage Address:

Street: _____

City/Town: _____ State: _____ ZIP Code: _____

F. DESCRIPTION OF REMEDIATION WASTE:
(check all that apply)

☑ Contaminated Media (check all that apply): ☑ Soil ○ Groundwater ○ Surface Water ○ Other: _____

☑ Contaminated Debris (check all that apply): ○ Vegetation or Organic Debris ○ Demolition/Construction Waste
○ Inorganic Absorbant Materials ☑ Other: Polyethylene Sheeting

☐ Non-hazardous Uncontainerized Waste (check all that apply): ○ Non-aqueous Phase Liquid ○ Other: _____

☐ Non-hazardous Containerized Waste (check all that apply): ○ Tank Bottoms/Sludges ○ Containers ○ Drums
○ Engineered Impoundments ○ Other: _____

Type of Contamination (check all that apply): ☐ Gasoline ☐ Diesel Fuel ☐ #2 Oil ☐ #4 Oil ☐ #6 Oil ☐ Waste Oil
☐ Kerosene ☐ Jet Fuel ☐ Other: Lead

Estimated Volume of Materials: Cubic Yards: 1100 Tons: 1650 Other: _____

Contaminant Source (check one/specify): ☐ Transportation Accident ☐ Underground Storage Tank ☑ Other: fill

Response Action Associated with Bill of Lading (check one): ☐ Immediate Response Action ☑ Release Abatement Measure

☐ Utility-Related Abatement Measure ☐ Limited Removal Action ☐ Comprehensive Response Action ☐ Other _____

Remediation Waste Charcterization Support Documentation attached:
☑ Site History Information ☐ Sampling and Analytical Methods and Procedures ☑ Laboratory Data ☐ Field Screening Data

If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: TRC Environmental Corporation

LSP Name: David Sullivan Title: Senior Project Manager

Telephone: (978) 970-5600 Ext.: 3565

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of

(i) the standard of care in 309 CMR 4.02(1),
(ii) the applicable provisions of 309 CMR 4.02(2) and (3), and
(iii) the provisions of 309 CMR 4.03(5),

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

LSP Signature: _____ Seal: COMMONWEALTH OF MASSACHUSETTS DAVID M. SULLIVAN No. 1488 REGISTERED LICENSED SITE PROFESSIONAL

Date: 5/26/2010

License Number: 1488

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*
4 - 17604

H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: [signature] Date: 5/24/2010

Name of Person (print): SCOTT ALFONSE

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 1 **OF** 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: FP
Date of Shipment: 5/27/2010
Time of Shipment: 7:55 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 8:17 ☑ AM ☐ PM
Load Size (cu. yds./tons): 18.11

Load 2:
Signature of Transporter Representative: FP
Date of Shipment: 5-27-10
Time of Shipment: 8:38 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 8:58 ☑ AM ☐ PM
Load Size (cu. yds./tons): 18.92

Load 3:
Signature of Transporter Representative: FP
Date of Shipment: 5-27-10
Time of Shipment: 9:20 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 9:33 ☑ AM ☐ PM
Load Size (cu. yds./tons): 16.58

Load 4:
Signature of Transporter Representative: FP
Date of Shipment: 5-27-10
Time of Shipment: 10:00 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 10:10 ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.85

Load 5:
Signature of Transporter Representative: FP
Date of Shipment: 5-27-10
Time of Shipment: 10:35 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 10:49 ☑ AM ☐ PM
Load Size (cu. yds./tons): 18.45

Load 6:
Signature of Transporter Representative: FP
Date of Shipment: 5-27-10
Time of Shipment: 11:15 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 11:29 ☑ AM ☐ PM
Load Size (cu. yds./tons): 15.80

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 105.17 TONS
Total Carried Forward (cu. yds./tons): 0
Total Carried Forward and This Page (cu. yds./tons): 105.17 TONS.

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297175
Date: 5/27/2010
Time:08:15:30 - 08:15:52

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

******** Reprinted Ticket ********

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SRC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 65400 LB Scale
Tare: 29180 LB PreTare
Net: 36220 LB

Comment:

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.11 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (506) 763-5924 FAX: (508) 763-8624

Ticket: 297187
Date: 5/27/2010
Time:08:57:45 - 08:58:00

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 67020 LB Scale
Tare: 29180 LB PreTare
Net: 37840 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.92 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297195
Date: 5/27/2010
Time:09:33:21 - 09:33:38

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 62340 LB Scale
Tare: 29180 LB PreTare
Net: 33160 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.58 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297206
Date: 5/27/2010
Time:10:09:18 - 10:09:38

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 64880 LB Scale
Tare: 29180 LB PreTare
Net: 35700 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.85 Tons

Drivers: FP

Deputy Weighmaster: RANDAL FERRY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297218
Date: 5/27/2010
Time:10:48:57 - 10:49:23

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 66080 LB Scale
Tare: 29180 LB PreTare
Net: 36900 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.45 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297233
Date: 5/27/2010
Time:11:28:17 - 11:28:33

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 60780 LB Scale
Tare: 29180 LB PreTare
Net: 31600 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.80 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 2 **OF** 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 6/27/2010
Time of Shipment: 8:00 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 8:21 ☑ AM ☐ PM
Load Size (cu. yds./tons): 11.08

Load 2:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 8:50 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 9:02 ☑ AM ☐ PM
Load Size (cu. yds./tons): 11.33

Load 3:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 10:05 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 10:18 ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.03

Load 4:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 10:45 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 10:58 ☑ AM ☐ PM
Load Size (cu. yds./tons): 18.68

Load 5:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 11:30 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 11:43 ☑ AM ☐ PM
Load Size (cu. yds./tons): 15.14

Load 6:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 12:05 ☐ AM ☑ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 5/27/10
Time of Receipt: 12:18 ☐ AM ☑ PM
Load Size (cu. yds./tons): 20.21

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 93.47 TONS
Total Carried Forward (cu. yds./tons): 105.71 TONS
Total Carried Forward and This Page (cu. yds./tons): 199.18 TONS

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297176
Date: 5/27/2010
Time:08:19:49 - 08:21:18

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 38260 LB Scale
Tare: 16100 LB PreTare
Net: 22160 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
WA/Not Applicable	50/DOMESTIC WASTE	11.08 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297188
Date: 5/27/2010
Time:09:01:39 - 09:02:06

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 38760 LB Scale
Tare: 16100 LB PreTare
Net: 22660 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	11.33 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297208
Date: 5/27/2010
Time:10:17:21 - 10:17:39

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 60620 LB Scale
Tare: 26560 LB PreTare
Net: 34060 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.03 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297220
Date: 5/27/2010
Time:10:58:11 - 10:58:36

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 63920 LB Scale
Tare: 26560 LB PreTare
Net: 37360 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.68 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297237
Date: 5/27/2010
Time:11:42:30 - 11:42:48

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 56840 LB Scale
Tare: 26560 LB PreTare
Net: 30280 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.14 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297246
Date: 5/27/2010
Time:12:19:50 - 12:20:16

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 66980 LB Scale
Tare: 26560 LB PreTare
Net: 40420 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	20.21 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

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Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 3 **OF** 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: Robert
Date of Shipment: 5/27/2010
Time of Shipment: 8:05 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 8:29 ☑ AM ☐ PM
Load Size (cu. yds./tons): 19.36

Load 2:
Signature of Transporter Representative: Robert
Date of Shipment: 5/27/2010
Time of Shipment: 8:56 ☑ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 9:12 ☑ AM ☐ PM
Load Size (cu. yds./tons): 19.71

Load 3:
Signature of Transporter Representative: Robert
Date of Shipment: 5/27/2010
Time of Shipment: 9:35 ☑ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 9:53 ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.15

Load 4:
Signature of Transporter Representative: Robert
Date of Shipment: 5/27/2010
Time of Shipment: 10:16 ☑ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 10:34 ☑ AM ☐ PM
Load Size (cu. yds./tons): 19.89

Load 5:
Signature of Transporter Representative: Robert
Date of Shipment: 5/27/2010
Time of Shipment: 10:58 ☑ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 11:15 ☑ AM ☐ PM
Load Size (cu. yds./tons): 21.12

Load 6:
Signature of Transporter Representative: Robert
Date of Shipment: 5/27/2010
Time of Shipment: 11:39 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 11:55 ☑ AM ☐ PM
Load Size (cu. yds./tons): 21.08

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 119.11 TONS
Total Carried Forward (cu. yds./tons): 199.18 TONS
Total Carried Forward and This Page (cu. yds./tons): 318.29 TONS.

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297179
Date: 5/27/2010
Time:08:20:35 - 08:28:59

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 64360 LB Scale
Tare: 25640 LB PreTare
Net: 38720 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.36 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

JEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

ILL LANDFILL

E PHONE 508-998-5674

Ticket: 297198
Date: 5/27/2010
Time:09:11:29 - 09:11:49

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 65060 LB Scale
Tare: 25640 LB PreTare
Net: 39420 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.71 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297198
Date: 5/27/2010
Time:09:52:04 - 09:52:20

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 59940 LB Scale
Tare: 25640 LB PreTare
Net: 34300 LB

Comments: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.15 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297211
Date: 5/27/2010
Time:10:33:32 - 10:33:51

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 65420 LB Scale
Tare: 25640 LB PreTare
Net: 39780 LB

Comments: river rd.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.89 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297225
Date: 5/27/2010
Time:11:15:06 - 11:15:26

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 67880 LB Scale
Tare: 25640 LB PreTare
Net: 42240 LB

Comments: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	21.12 Tons

Drivers: _____ Deputy Weighmaster: _____
RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297239
Date: 5/27/2010
Time:11:55:10 - 11:55:27

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 69400 LB Scale
Tare: 25640 LB PreTare
Net: 43760 LB

Comments: river rd.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	21.88 Tons

Drivers: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 4 **OF** 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: VM
Date of Shipment: 5/27/2010
Time of Shipment: 8:10 ☑ AM ☐ PM
Truck/Tractor Registration: M76863
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 8:33 ☑ AM ☐ PM
Load Size (cu. yds./tons): 19.03

Load 2:
Signature of Transporter Representative: VM
Date of Shipment: 5/27/2010
Time of Shipment: 9:02 ☑ AM ☐ PM
Truck/Tractor Registration: M76863
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 9:19 ☑ AM ☐ PM
Load Size (cu. yds./tons): 19.12

Load 3:
Signature of Transporter Representative: VM
Date of Shipment: 5/27/2010
Time of Shipment: 9:45 ☐ AM ☐ PM
Truck/Tractor Registration: M76863
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 10:00 ☑ AM ☐ PM
Load Size (cu. yds./tons): 20.77

Load 4:
Signature of Transporter Representative: VM
Date of Shipment: 5/27/2010
Time of Shipment: 10:32 ☑ AM ☐ PM
Truck/Tractor Registration: M76863
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 10:46 ☑ AM ☐ PM
Load Size (cu. yds./tons): 22.49

Load 5:
Signature of Transporter Representative: VM
Date of Shipment: 5/27/2010
Time of Shipment: 11:10 ☑ AM ☐ PM
Truck/Tractor Registration: M76863
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 11:27 ☑ AM ☐ PM
Load Size (cu. yds./tons): 21.05

Load 6:
Signature of Transporter Representative: VM
Date of Shipment: 5/27/2010
Time of Shipment: 11:55 ☑ AM ☐ PM
Truck/Tractor Registration: M76863
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 5/27/10
Time of Receipt: 1209 ☐ AM ☑ PM
Load Size (cu. yds./tons): 19.52

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 122.18 TONS
Total Carried Forward (cu. yds./tons): 318.29 TONS
Total Carried Forward and This Page (cu. yds./tons): 440.47 TONS

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297181
Date: 5/27/2010
Time:08:32:30 - 08:32:47

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 104-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 104/CITY OF NEW BEDFORDTruck Type: DUMP TRUCK

Gross: 64900 LB Scale
Tare: 25640 LB PreTare
Net: 39260 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.63 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297192
Date: 5/27/2010
Time:09:18:29 - 09:18:45

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 104-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 104/CITY OF NEW BEDFORDTruck Type: DUMP TRUCK

Gross: 63880 LB Scale
Tare: 25640 LB PreTare
Net: 38240 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.12 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297202
Date: 5/27/2010
Time: 10:00:09 - 10:00:22

Truck: 104-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 104/CITY OF NEW BEDFORD Truck Type: DUMP TRUCK

Gross: 66380 LB Scale
Tare: 25640 LB PreTare
Net: 40740 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	20.37 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297217
Date: 5/27/2010
Time: 10:46:07 - 10:46:20

Truck: 104-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 104/CITY OF NEW BEDFORD Truck Type: DUMP TRUCK

Gross: 70620 LB Scale
Tare: 25640 LB PreTare
Net: 44980 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	22.49 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297231
Date: 5/27/2010
Time:11:26:36 - 11:26:50

Truck: 104-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 104/CITY OF NEW BEDFORDTruck Type: DUMP TRUCK

Gross: 67740 LB Scale
Tare: 25640 LB PreTare
Net: 42100 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	21.05 Tons

Driver: VM

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297243
Date: 5/27/2010
Time:12:09:44 - 12:10:26

Truck: 104-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 104/CITY OF NEW BEDFORDTruck Type: DUMP TRUCK

Gross: 64600 LB Scale
Tare: 25640 LB PreTare
Net: 39040 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.52 Tons

Driver: VINNIE

Deputy Weighmaster: RANDAL FERRY

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Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 5 OF 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: Felix
Date of Shipment: 5/27/2010
Time of Shipment: 8:15 ☑ AM ☐ PM
Truck/Tractor Registration: M63188
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 5/27/10
Time of Receipt: 8:31 ☑ AM ☐ PM
Load Size (cu. yds./tons): 7.12

Load 2:
Signature of Transporter Representative: Felix
Date of Shipment: 5/27/2010
Time of Shipment: 8:59 ☑ AM ☐ PM
Truck/Tractor Registration: M63188
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 5/27/10
Time of Receipt: 9:14 ☑ AM ☐ PM
Load Size (cu. yds./tons): 7.50

Load 3:
Signature of Transporter Representative: Felix
Date of Shipment: 5/27/2010
Time of Shipment: 9:40 ☑ AM ☐ PM
Truck/Tractor Registration: M63188
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 5/27/10
Time of Receipt: 9:57 ☑ AM ☐ PM
Load Size (cu. yds./tons): 6.29

Load 4:
Signature of Transporter Representative: Felix
Date of Shipment: 5/27/2010
Time of Shipment: 11:05 ☑ AM ☐ PM
Truck/Tractor Registration: M50654
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 5/27/10
Time of Receipt: 11:21 ☑ AM ☐ PM
Load Size (cu. yds./tons): 9.15

Load 5:
Signature of Transporter Representative: Felix
Date of Shipment: 5/27/2010
Time of Shipment: 10:48 ☑ AM ☐ PM
Truck/Tractor Registration: M50654
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 5/27/10
Time of Receipt: 12:00 ☐ AM ☑ PM
Load Size (cu. yds./tons): 11.19

Load 6:
Signature of Transporter Representative: Felix
Date of Shipment: 5/27/2010
Time of Shipment: 12:32 ☐ AM ☑ PM
Truck/Tractor Registration: M50654
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 5/27/10
Time of Receipt: 12:45 ☐ AM ☑ PM
Load Size (cu. yds./tons): 11.74

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 52.99 TONS
Total Carried Forward (cu. yds./tons): 440.47 TONS
Total Carried Forward and This Page (cu. yds./tons): 493.46 TONS

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297180
Date: 5/27/2010
Time:08:30:42 - 08:30:59

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-574
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 28540 LB Scale
Tare: 14300 LB PreTare
Net: 14240 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.12 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297191
Date: 5/27/2010
Time:09:13:40 - 09:13:59

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-574
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 29300 LB Scale
Tare: 14300 LB PreTare
Net: 15000 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.50 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297200
Date: 5/27/2010
Time:09:56:55 - 09:57:10

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-574
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 26880 LB Scale
Tare: 14300 LB PreTare
Net: 12580 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	6.29 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297228
Date: 5/27/2010
Time:11:20:34 - 11:20:53

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-558
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 35620 LB Scale
Tare: 17320 LB PreTare
Net: 18300 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.15 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297241
Date: 5/27/2010
Time:12:01:16 - 12:02:01

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-558
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 39700 LB Scale
Tare: 17320 LB PreTare
Net: 22380 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	11.19 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297252
Date: 5/27/2010
Time:12:44:48 - 12:45:03

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-558
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 40800 LB Scale
Tare: 17320 LB PreTare
Net: 23480 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	11.74 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 6 **OF** 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: WS
Date of Shipment: 5/27/2010
Time of Shipment: 8:20 ☑ AM ☐ PM
Truck/Tractor Registration: M77743
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RC
Date of Receipt: 5/27/10
Time of Receipt: 8:36 ☑ AM ☐ PM
Load Size (cu. yds./tons): 12.07

Load 2:
Signature of Transporter Representative: WS
Date of Shipment: 5/27/2010
Time of Shipment: 10:10 ☑ AM ☐ PM
Truck/Tractor Registration: M76860 ~~M77743~~ 97.
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RC
Date of Receipt: 5/27/10
Time of Receipt: 10:21 ☑ AM ☐ PM
Load Size (cu. yds./tons): 11.00

Load 3:
Signature of Transporter Representative: WS
Date of Shipment: 5/27/2010
Time of Shipment: 10:48 ☑ AM ☐ PM
Truck/Tractor Registration: M76860
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RC
Date of Receipt: 5/27/10
Time of Receipt: 11:00 ☑ AM ☐ PM
Load Size (cu. yds./tons): 10.81

Load 4:
Signature of Transporter Representative: WS
Date of Shipment: 5/27/2010
Time of Shipment: 11:22 ☑ AM ☐ PM
Truck/Tractor Registration: M76860
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RC
Date of Receipt: 5/27/10
Time of Receipt: 11:35 ☑ AM ☐ PM
Load Size (cu. yds./tons): 10.97

Load 5:
Signature of Transporter Representative: WS
Date of Shipment: 5/27/2010
Time of Shipment: 11:59 ☑ AM ☐ PM
Truck/Tractor Registration: M76860
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RC
Date of Receipt: 5/27/10
Time of Receipt: 12:13 ☑ AM ☐ PM
Load Size (cu. yds./tons): 11.86

Load 6:
Signature of Transporter Representative: WS
Date of Shipment: 5/27/2010
Time of Shipment: 12:43 ☐ AM ☑ PM
Truck/Tractor Registration: M76860
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RC
Date of Receipt: 5/27/10
Time of Receipt: 12:55 ☐ AM ☑ PM
Load Size (cu. yds./tons): 11.63

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 73.34 TONS
Total Carried Forward (cu. yds./tons): 493.46 TONS
Total Carried Forward and This Page (cu. yds./tons): 566.8 TONS

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297182
Date: 5/27/2010
Time: 08:35:40 - 08:35:56

Truck: 104-50
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 64900 LB Scale
Tare: 30760 LB PreTare
Net: 34140 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.07 Tons

Driver: WG

Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297210
Date: 5/27/2010
Time: 10:20:35 - 10:20:56

Truck: 104-61
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 38820 LB Scale
Tare: 16820 LB PreTare
Net: 22000 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	11.00 Tons

Driver: WG

Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297221
Date: 5/27/2010
Time: 11:00:22 - 11:00:36

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 104-61
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 38440 LB Scale
Tare: 16820 LB PreTare
Net: 21620 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.81 Tons

Driver: W9 Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297234
Date: 5/27/2010
Time: 11:34:40 - 11:34:57

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 104-61
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 38760 LB Scale
Tare: 16820 LB PreTare
Net: 21940 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.97 Tons

Driver: W9 Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297244
Date: 5/27/2010
Time:12:12:48 - 12:13:06

Truck: 104-61
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 40540 LB Scale
Tare: 16820 LB PreTare
Net: 23720 LB

Comment: RIVER RD,

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	11.86 Tons

Driver: WG

Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297255
Date: 5/27/2010
Time:12:54:52 - 12:55:06

Truck: 104-61
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 40080 LB Scale
Tare: 16820 LB PreTare
Net: 23260 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	11.63 Tons

Driver: WG

Deputy Weighmaster: RANDAL FERRY

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Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 7 **OF** 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 8:25 ☑ AM ☐ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 8:46 ☑ AM ☐ PM
Load Size (cu. yds./tons): 18.00

Load 2:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 9:10 ☑ AM ☐ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 9:27 ☑ AM ☐ PM
Load Size (cu. yds./tons): 16.84

Load 3:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 10:08 ☑ AM ☐ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 10:16 ☑ AM ☐ PM
Load Size (cu. yds./tons): 14.89

Load 4:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 10:40 ☑ AM ☐ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 10:56 ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.61

Load 5:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 12:15 ☐ AM ☑ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 5/27/10
Time of Receipt: 12:27 ☐ AM ☑ PM
Load Size (cu. yds./tons): 11.05

Load 6:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 12:55 ☐ AM ☑ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 1:12 ☐ AM ☑ PM
Load Size (cu. yds./tons): 10.71

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 89.09 TONS
Total Carried Forward (cu. yds./tons): 566.8 TONS
Total Carried Forward and This Page (cu. yds./tons): 655.89 TONS

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297183
Date: 5/27/2010
Time:08:39:18 - 08:39:23

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 66320 LB Scale
Tare: 30320 LB PreTare
Net: 36000 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.00 Tons

Driver: Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297193
Date: 5/27/2010
Time:09:26:41 - 09:26:59

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 64000 LB Scale
Tare: 30320 LB PreTare
Net: 33680 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.84 Tons

Driver: Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297207
Date: 5/27/2010
Time:10:15:52 - 10:16:08

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE.WTruck Type: DUMP TRUCK

Gross: 60080 LB Scale
Tare: 30320 LB PreTare
Net: 29760 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	14.88 Tons

Driver: Jack Pontadio Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297219
Date: 5/27/2010
Time:10:55:58 - 10:56:16

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE.WTruck Type: DUMP TRUCK

Gross: 65540 LB Scale
Tare: 30320 LB PreTare
Net: 35220 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.61 Tons

Driver: Jack Pontadio Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297248
Date: 5/27/2010
Time: 12:27:34 - 12:28:08

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 102/CITY OF NEW BEDFORD Truck Type: DUMP TRUCK

Gross: 38200 LB Scale
Tare: 16100 LB PreTare
Net: 22100 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NA/Not Applicable	50/DOMESTIC WASTE	11.05 Tons

Driver: Jack Pontodio Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297259
Date: 5/27/2010
Time: 13:11:36 - 13:11:57

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE MTruck Type: DUMP TRUCK

Gross: 37520 LB Scale
Tare: 16100 LB PreTare
Net: 21420 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.71 Tons

Driver: Jack Pontodio Deputy Weighmaster: RANDAL FERRY

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Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 8 **OF** 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: MARIO
Date of Shipment: 5/27/2010
Time of Shipment: 8:30 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 8.42 ☑ AM ☐ PM
Load Size (cu. yds./tons): 8.86

Load 2:
Signature of Transporter Representative: MARIO
Date of Shipment: 5/27/2010
Time of Shipment: 9:15 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 9:28 ☑ AM ☐ PM
Load Size (cu. yds./tons): 7.77

Load 3:
Signature of Transporter Representative: MARIO
Date of Shipment: 5/27/2010
Time of Shipment: 9:55 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 10:06 ☑ AM ☐ PM
Load Size (cu. yds./tons): 8.37

Load 4:
Signature of Transporter Representative: MARIO
Date of Shipment: 5/27/2010
Time of Shipment: 10:30 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 10.90 ☑ AM ☐ PM
Load Size (cu. yds./tons): 8.21

Load 5:
Signature of Transporter Representative: MARIO
Date of Shipment: 5/27/2010
Time of Shipment: 11:00 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 11:19 ☑ AM ☐ PM
Load Size (cu. yds./tons): 9.32

Load 6:
Signature of Transporter Representative: MARIO
Date of Shipment: 5/27/2010
Time of Shipment: 11:45 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 11.57 ☑ AM ☐ PM
Load Size (cu. yds./tons): 8.97

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 51.5 TONS
Total Carried Forward (cu. yds./tons): 655.89 TONS
Total Carried Forward and This Page (cu. yds./tons): 707.39 TONS

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297184
Date: 5/27/2010
Time:08:41:21 - 08:41:40

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 31780 LB Scale
Tare: 14060 LB PreTare
Net: 17720 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.86 Tons

Driver: Mario Carvalho Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297194
Date: 5/27/2010
Time:09:28:05 - 09:28:28

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 29600 LB Scale
Tare: 14060 LB PreTare
Net: 15540 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.77 Tons

Driver: Mario Carvalho Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297204
Date: 5/27/2010
Time:10:05:37 - 10:05:53

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 30800 LB Scale
Tare: 14060 LB PreTare
Net: 16740 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.37 Tons

Driver: Mario Carrasco Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297213
Date: 5/27/2010
Time:10:38:29 - 10:38:45

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 30400 LB Scale
Tare: 14060 LB PreTare
Net: 16420 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.21 Tons

Driver: Mario Carrasco Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297227
Date: 5/27/2010
Time: 11:18:24 - 11:18:39

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 32700 LB Scale
Tare: 14060 LB PreTare
Net: 18640 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.32 Tons

Driver: Mario Carvalho Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297240
Date: 5/27/2010
Time: 11:56:38 - 11:56:58

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 32000 LB Scale
Tare: 14060 LB PreTare
Net: 17940 LB

Comment: river rd.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.97 Tons

Driver: Mario Carvalho Deputy Weighmaster: RANDAL FERRY

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Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 9 **OF** 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: FP
Date of Shipment: 5/27/2010
Time of Shipment: 11:50 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: GHL GM
Date of Receipt: 5/27/10
Time of Receipt: 12:01 ☐ AM ☑ PM
Load Size (cu. yds./tons): 19.86

Load 2:
Signature of Transporter Representative: FP
Date of Shipment: 5-27-10
Time of Shipment: 12:30 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 12:40 ☐ AM ☑ PM
Load Size (cu. yds./tons): 14.88

Load 3:
Signature of Transporter Representative: FP
Date of Shipment: 5-27-10
Time of Shipment: 1:10 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RR
Date of Receipt: 5/27/10
Time of Receipt: 1:23 ☐ AM ☑ PM
Load Size (cu. yds./tons): 18.54

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 55.28 TONS
Total Carried Forward (cu. yds./tons): 707.39 TONS
Total Carried Forward and This Page (cu. yds./tons): 762.67 TONS

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8824

Ticket: 297242
Date: 5/27/2010
Time:12:04:00 - 12:04:26

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 68900 LB Scale
Tare: 29180 LB PreTare
Net: 39720 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.86 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 783-5924 FAX: (508) 763-8624

Ticket: 297251
Date: 5/27/2010
Time:12:40:12 - 12:40:31

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WT Truck Type: DUMP TRUCK

Gross: 62940 LB Scale
Tare: 29180 LB PreTare
Net: 33760 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.88 Tons

Driver: FP

Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 237268
Date: 5/27/2010
Time: 13:22:45 - 13:23:11

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 66260 LB Scale
Tare: 29180 LB PreTare
Net: 37080 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.54 Tons

Driver: EP

Deputy Weighmaster: RANDAL FERRY

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Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 10 **OF** 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 12:20 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 5/27/10
Time of Receipt: 12:30 ☐ AM ☑ PM
Load Size (cu. yds./tons): 22.01

Load 2:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 1:00 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 5/27/10
Time of Receipt: 1:16 ☐ AM ☑ PM
Load Size (cu. yds./tons): 21.27

Load 3:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 43.28 TONS
Total Carried Forward (cu. yds./tons): 762.67 TONS
Total Carried Forward and This Page (cu. yds./tons): 805.95 TONS

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297249
Date: 5/27/2010
Time:12:35:23 - 12:35:48

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 69660 LB Scale
Tare: 25640 LB PreTare
Net: 44020 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	22.01 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297260
Date: 5/27/2010
Time:13:15:58 - 13:16:20

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 68180 LB Scale
Tare: 25640 LB PreTare
Net: 42540 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	21.27 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 11 **OF** 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: MARIO
Date of Shipment: 5/27/2010
Time of Shipment: 12:25 ☐ AM ☑ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL MR
Date of Receipt: 5/27/10
Time of Receipt: ☐ AM ☑ PM
Load Size (cu. yds./tons): 9.29

Load 2:
Signature of Transporter Representative: MARIO
Date of Shipment: 5/27/2010
Time of Shipment: 13:03 ☐ AM ☑ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL MR
Date of Receipt: 5/27/10
Time of Receipt: 1:19 ☐ AM ☑ PM
Load Size (cu. yds./tons): 9.91

Load 3:
Signature of Transporter Representative: MARIO
Date of Shipment: 5/27/2010
Time of Shipment: 13:42 ☐ AM ☑ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL MR
Date of Receipt: 5/27/10
Time of Receipt: 1:54 ☐ AM ☑ PM
Load Size (cu. yds./tons): 8.87

Load 4:
Signature of Transporter Representative: MARIO
Date of Shipment: 5/27/2010
Time of Shipment: 2:15 ☐ AM ☑ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL MR
Date of Receipt: 5/27/10
Time of Receipt: 2:31 ☐ AM ☑ PM
Load Size (cu. yds./tons): 8.28

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 36.35 TONS
Total Carried Forward (cu. yds./tons): 805.95 TONS
Total Carried Forward and This Page (cu. yds./tons): 842.3 TONS

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297250
Date: 5/27/2010
Time: 12:38:15 - 12:38:31

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 32640 LB Scale
Tare: 14060 LB PreTare
Net: 18580 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.29 Tons

Driver: Mario Barnes Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297261
Date: 5/27/2010
Time: 13:18:46 - 13:19:09

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 33880 LB Scale
Tare: 14060 LB PreTare
Net: 19820 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.91 Tons

Driver: Mario Barnes Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297272
Date: 5/27/2010
Time: 13:53:50 - 13:54:05

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 31800 LB Scale
Tare: 14060 LB PreTare
Net: 17740 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.87 Tons

Driver: Mario Conrado Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297289
Date: 5/27/2010
Time: 14:30:33 - 14:30:51

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 30620 LB Scale
Tare: 14060 LB PreTare
Net: 16560 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.28 Tons

Driver: Mario Conrado Deputy Weighmaster: RANDAL FERRY

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Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 12 OF 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: VM
Date of Shipment: 5/27/2010
Time of Shipment: 12:40 ☐ AM ☑ PM
Truck/Tractor Registration: M76869
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHLRP
Date of Receipt: 5/27/10
Time of Receipt: 12:54 ☐ AM ☑ PM
Load Size (cu. yds./tons): 18.17

Load 2:
Signature of Transporter Representative: VM
Date of Shipment: 5/27/2010
Time of Shipment: 1:20 ☐ AM ☑ PM
Truck/Tractor Registration: M76869
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHLRP
Date of Receipt: 5/27/10
Time of Receipt: 1:36 ☐ AM ☑ PM
Load Size (cu. yds./tons): 19.70

Load 3:
Signature of Transporter Representative: VM
Date of Shipment: 5/27/2010
Time of Shipment: 2:00 ☐ AM ☑ PM
Truck/Tractor Registration: M76869
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHLRP
Date of Receipt: 5/27/10
Time of Receipt: 2:19 ☐ AM ☑ PM
Load Size (cu. yds./tons): 20.62

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 58.49 TONS
Total Carried Forward (cu. yds./tons): 842.3 TONS
Total Carried Forward and This Page (cu. yds./tons): 900.79 TONS

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297254
Date: 5/27/2010
Time:12:53:43 - 12:53:56

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 104-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 104/CITY OF NEW BEDFORDTruck Type: DUMP TRUCK

Gross: 61980 LB Scale
Tare: 25640 LB PreTare
Net: 36340 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.17 Tons

Driver: VM

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297266
Date: 5/27/2010
Time:13:35:33 - 13:36:00

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 104-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 104/CITY OF NEW BEDFORDTruck Type: DUMP TRUCK

Gross: 65040 LB Scale
Tare: 25640 LB PreTare
Net: 39400 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.70 Tons

Driver: VM

Deputy Weighmaster: RANDAL FERRY

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297280
Date: 5/27/2010
Time: 14:18:39 - 14:18:54

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 104-51
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 104/CITY OF NEW BEDFORD Truck Type: DUMP TRUCK

Gross: 66880 LB Scale
Tare: 25640 LB PreTare
Net: 41240 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	20.62 Tons

Driver: _____ Deputy Weighmaster: RANDAL FERRY

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Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 13 **OF** 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 12:45 ☐ AM ☑ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 5/27/10
Time of Receipt: 1:00 ☐ AM ☑ PM
Load Size (cu. yds./tons): 17.58

Load 2:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 1:25 ☐ AM ☑ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 5/27/10
Time of Receipt: 1:40 ☐ AM ☑ PM
Load Size (cu. yds./tons): 18.48

Load 3:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 2:03 ☐ AM ☑ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL NR
Date of Receipt: 5/27/10
Time of Receipt: 2:20 ☐ AM ☑ PM
Load Size (cu. yds./tons): 17.15

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 53.21 TONS
Total Carried Forward (cu. yds./tons): 900.79 TONS
Total Carried Forward and This Page (cu. yds./tons): 954 TONS

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297257
Date: 5/27/2010
Time:12:59:22 - 12:59:40

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 61720 LB Scale
Tare: 26560 LB PreTare
Net: 35160 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.58 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297267
Date: 5/27/2010
Time:13:39:19 - 13:39:51

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 63520 LB Scale
Tare: 26560 LB PreTare
Net: 36960 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.48 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297281
Date: 5/27/2010
Time: 14:19:57 - 14:20:13

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 60860 LB Scale
Tare: 26560 LB PreTare
Net: 34300 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.15 Tons

Driver: _____ Deputy Weighmaster: RANDAL FERRY

HAULER COPY

Massachusetts Department of Environmental Protection **BWSC-012B**

Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 14 **OF** 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: FEWX
Date of Shipment: 5/27/2010
Time of Shipment: 1:15 ☐ AM ☑ PM
Truck/Tractor Registration: M50654
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL VR
Date of Receipt: 5/27/10
Time of Receipt: 1:27 ☐ AM ☑ PM
Load Size (cu. yds./tons): 11.36

Load 2:
Signature of Transporter Representative: FEWX
Date of Shipment: 5/27/2010
Time of Shipment: 1:45 ☐ AM ☑ PM
Truck/Tractor Registration: M50654
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL VR
Date of Receipt: 5/27/10
Time of Receipt: 2:04 ☐ AM ☑ PM
Load Size (cu. yds./tons): 11.33

Load 3:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 21.63 TONS
Total Carried Forward (cu. yds./tons): 954 TONS
Total Carried Forward and This Page (cu. yds./tons): 975.63

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297263
Date: 5/27/2010
Time:13:26:41 - 13:28:57

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-558
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 39920 LB Scale
Tare: 17320 LB PreTare
Net: 22600 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	11.30 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297278
Date: 5/27/2010
Time:14:03:22 - 14:03:37

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-558
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 37980 LB Scale
Tare: 17320 LB PreTare
Net: 20660 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.33 Tons

Driver: _____ Deputy Weighmaster: _____
RANDAL FERRY

HAULER COPY

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 15 **OF** 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: WS
Date of Shipment: 6/27/2010
Time of Shipment: 1118 ☐ AM ☑ PM
Truck/Tractor Registration: M76860
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 5/27/10
Time of Receipt: 1132 ☐ AM ☑ PM
Load Size (cu. yds./tons): 10.94

Load 2:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 3:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 10.94 TONS
Total Carried Forward (cu. yds./tons): 975.63 TONS
Total Carried Forward and This Page (cu. yds./tons): 986.57 TONS

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 297265
Date: 5/27/2010
Time: 13:32:09 - 13:32:23

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 104-61
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 38700 LB Scale
Tare: 16820 LB PreTare
Net: 21880 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.94 Tons

Driver: W9

Deputy Weighmaster: RANDAL FERRY

HAULER COPY

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 16 **OF** 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 1:55 ☐ AM ☑ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL WR
Date of Receipt: 5/27/10
Time of Receipt: 1:50 ☐ AM ☑ PM
Load Size (cu. yds./tons): 10.89

Load 2:
Signature of Transporter Representative:
Date of Shipment: 5/27/2010
Time of Shipment: 2:08 ☐ AM ☑ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL WR
Date of Receipt: 5/27/10
Time of Receipt: 2:24 ☐ AM ☑ PM
Load Size (cu. yds./tons): 9.62

Load 3:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 20.51 TONS
Total Carried Forward (cu. yds./tons): 986.57 TONS
Total Carried Forward and This Page (cu. yds./tons): 1007.08 TONS

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297271
Date: 5/27/2010
Time:13:48:29 - 13:48:47

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 37880 LB Scale
Tare: 16100 LB PreTare
Net: 21780 LB

Comment:
RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.89 Tons

Driver: [signature] Deputy Weighmaster: RANDAL FERRY

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 297284
Date: 5/27/2010
Time:14:23:30 - 14:23:48

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 35340 LB Scale
Tare: 16100 LB PreTare
Net: 19240 LB

Comment: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.62 Tons

Driver: [signature] Deputy Weighmaster: RANDAL FERRY

HAULER COPY

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 1 OF 1

Release Tracking Number 4 - 17604

K. SUMMARY OF SHIPMENTS:

Date of Shipment:	Date of Receipt:	Number of Loads Shipped:	Daily Volume Shipped (cu. yds/tons):
MAY 27, 2010	MAY 27, 2010	68	1007.08 TONS
Summary Sheet Total Shipped:		68	1007.08
Bill of Lading Total Shipped (only if different):			

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030

SUMMARY SHEET

Release Tracking Number
4 - 17604

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print): Crapo Hill Landfill / Randal Ferry

Title: Scale Operator

Signature:

Date: 5/27/10

M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in herein is, to the best of my knowledge and belief, true, accurate and complete, I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature:

Date: 6/1/2010

Name of Person (print): DAVID FREDETTE

Unnamed Company

Customer/Material Report

Transactions from 05/27/2010 through 05/27/2010
Inbound and Outbound Tickets
Third Party and Intercompany Customers
Recycle and Disposal Waste
Full Details

Ticket	Date	Truck	In / Out	Yards	Units	Tons	Estimated Tons	Tax	Disposal Amount	Amount
104 - CITY OF NEW BEDFORD - D.P.W.										
50 - DOMESTIC WASTE										
297175	05/27/10	105-554	I	0.00	0.00	18.11	0.00	$0.00	$0.00	$0.00
297176	05/27/10	105-557	I	0.00	0.00	11.08	0.00	$0.00	$0.00	$0.00
297179	05/27/10	105-551	I	0.00	0.00	19.36	0.00	$0.00	$0.00	$0.00
297180	05/27/10	105-574	I	0.00	0.00	7.12	0.00	$0.00	$0.00	$0.00
297181	05/27/10	104-51	I	0.00	0.00	19.63	0.00	$0.00	$0.00	$0.00
297182	05/27/10	104-50	I	0.00	0.00	17.07	0.00	$0.00	$0.00	$0.00
297183	05/27/10	105-552	I	0.00	0.00	18.00	0.00	$0.00	$0.00	$0.00
297184	05/27/10	105-559	I	0.00	0.00	8.86	0.00	$0.00	$0.00	$0.00
297187	05/27/10	105-554	I	0.00	0.00	18.92	0.00	$0.00	$0.00	$0.00
297188	05/27/10	105-557	I	0.00	0.00	11.33	0.00	$0.00	$0.00	$0.00
297190	05/27/10	105-551	I	0.00	0.00	19.71	0.00	$0.00	$0.00	$0.00
297191	05/27/10	105-574	I	0.00	0.00	7.50	0.00	$0.00	$0.00	$0.00
297192	05/27/10	104-51	I	0.00	0.00	19.12	0.00	$0.00	$0.00	$0.00
297193	05/27/10	105-552	I	0.00	0.00	16.84	0.00	$0.00	$0.00	$0.00
297194	05/27/10	105-559	I	0.00	0.00	7.77	0.00	$0.00	$0.00	$0.00
297195	05/27/10	105-554	I	0.00	0.00	16.58	0.00	$0.00	$0.00	$0.00
297198	05/27/10	105-551	I	0.00	0.00	17.15	0.00	$0.00	$0.00	$0.00
297200	05/27/10	105-574	I	0.00	0.00	6.29	0.00	$0.00	$0.00	$0.00
297202	05/27/10	104-51	I	0.00	0.00	20.37	0.00	$0.00	$0.00	$0.00
297204	05/27/10	105-559	I	0.00	0.00	8.37	0.00	$0.00	$0.00	$0.00
297206	05/27/10	105-554	I	0.00	0.00	17.85	0.00	$0.00	$0.00	$0.00
297207	05/27/10	105-552	I	0.00	0.00	14.88	0.00	$0.00	$0.00	$0.00
297208	05/27/10	105-553	I	0.00	0.00	17.03	0.00	$0.00	$0.00	$0.00
297210	05/27/10	104-61	I	0.00	0.00	11.00	0.00	$0.00	$0.00	$0.00
297211	05/27/10	105-551	I	0.00	0.00	19.89	0.00	$0.00	$0.00	$0.00

Unnamed Company

Customer/Material Report

Transactions from 05/27/2010 through 05/27/2010
Inbound and Outbound Tickets
Third Party and Intercompany Customers
Recycle and Disposal Waste
Full Details

Ticket	Date	Truck	In / Out	Yards	Units	Tons	Estimated Tons	Tax	Disposal Amount	Amount
104 - CITY OF NEW BEDFORD - D.P.W.										
50 - DOMESTIC WASTE										
297213	05/27/10	105-559	I	0.00	0.00	8.21	0.00	$0.00	$0.00	$0.00
297217	05/27/10	104-51	I	0.00	0.00	22.49	0.00	$0.00	$0.00	$0.00
297218	05/27/10	105-554	I	0.00	0.00	18.45	0.00	$0.00	$0.00	$0.00
297219	05/27/10	105-552	I	0.00	0.00	17.61	0.00	$0.00	$0.00	$0.00
297220	05/27/10	105-553	I	0.00	0.00	18.68	0.00	$0.00	$0.00	$0.00
297221	05/27/10	104-61	I	0.00	0.00	10.81	0.00	$0.00	$0.00	$0.00
297225	05/27/10	105-551	I	0.00	0.00	21.12	0.00	$0.00	$0.00	$0.00
297227	05/27/10	105-559	I	0.00	0.00	9.32	0.00	$0.00	$0.00	$0.00
297228	05/27/10	105-558	I	0.00	0.00	9.15	0.00	$0.00	$0.00	$0.00
297231	05/27/10	104-51	I	0.00	0.00	21.05	0.00	$0.00	$0.00	$0.00
297233	05/27/10	105-554	I	0.00	0.00	15.80	0.00	$0.00	$0.00	$0.00
297234	05/27/10	104-61	I	0.00	0.00	10.97	0.00	$0.00	$0.00	$0.00
297237	05/27/10	105-553	I	0.00	0.00	15.14	0.00	$0.00	$0.00	$0.00
297239	05/27/10	105-551	I	0.00	0.00	21.88	0.00	$0.00	$0.00	$0.00
297240	05/27/10	105-559	I	0.00	0.00	8.97	0.00	$0.00	$0.00	$0.00
297241	05/27/10	105-558	I	0.00	0.00	11.19	0.00	$0.00	$0.00	$0.00
297242	05/27/10	105-554	I	0.00	0.00	19.86	0.00	$0.00	$0.00	$0.00
297243	05/27/10	104-51	I	0.00	0.00	19.52	0.00	$0.00	$0.00	$0.00
297244	05/27/10	104-61	I	0.00	0.00	11.86	0.00	$0.00	$0.00	$0.00
297246	05/27/10	105-553	I	0.00	0.00	20.21	0.00	$0.00	$0.00	$0.00
297248	05/27/10	105-557	I	0.00	0.00	11.05	0.00	$0.00	$0.00	$0.00
297249	05/27/10	105-551	I	0.00	0.00	22.01	0.00	$0.00	$0.00	$0.00
297250	05/27/10	105-559	I	0.00	0.00	9.29	0.00	$0.00	$0.00	$0.00
297251	05/27/10	105-554	I	0.00	0.00	16.88	0.00	$0.00	$0.00	$0.00
297252	05/27/10	105-558	I	0.00	0.00	11.74	0.00	$0.00	$0.00	$0.00

Unnamed Company

Customer/Material Report

Transactions from 05/27/2010 through 05/27/2010
Inbound and Outbound Tickets
Third Party and Intercompany Customers
Recycle and Disposal Waste
Full Details

Ticket	Date	Truck	In / Out	Yards	Units	Tons	Estimated Tons	Tax	Disposal Amount	Amount
104 - CITY OF NEW BEDFORD - D.P.W.										
50 - DOMESTIC WASTE										
297254	05/27/10	104-51	I	0.00	0.00	18.17	0.00	$0.00	$0.00	$0.00
297255	05/27/10	104-61	I	0.00	0.00	11.63	0.00	$0.00	$0.00	$0.00
297257	05/27/10	105-553	I	0.00	0.00	17.58	0.00	$0.00	$0.00	$0.00
297259	05/27/10	105-557	I	0.00	0.00	10.71	0.00	$0.00	$0.00	$0.00
297260	05/27/10	105-551	I	0.00	0.00	21.27	0.00	$0.00	$0.00	$0.00
297261	05/27/10	105-559	I	0.00	0.00	9.91	0.00	$0.00	$0.00	$0.00
297262	05/27/10	105-554	I	0.00	0.00	18.54	0.00	$0.00	$0.00	$0.00
297263	05/27/10	105-558	I	0.00	0.00	11.30	0.00	$0.00	$0.00	$0.00
297265	05/27/10	104-61	I	0.00	0.00	10.94	0.00	$0.00	$0.00	$0.00
297266	05/27/10	104-51	I	0.00	0.00	19.70	0.00	$0.00	$0.00	$0.00
297267	05/27/10	105-553	I	0.00	0.00	18.48	0.00	$0.00	$0.00	$0.00
297271	05/27/10	105-557	I	0.00	0.00	10.89	0.00	$0.00	$0.00	$0.00
297272	05/27/10	105-559	I	0.00	0.00	8.87	0.00	$0.00	$0.00	$0.00
297278	05/27/10	105-558	I	0.00	0.00	10.33	0.00	$0.00	$0.00	$0.00
297280	05/27/10	104-51	I	0.00	0.00	20.62	0.00	$0.00	$0.00	$0.00
297281	05/27/10	105-553	I	0.00	0.00	17.15	0.00	$0.00	$0.00	$0.00
297284	05/27/10	105-557	I	0.00	0.00	9.62	0.00	$0.00	$0.00	$0.00
297289	05/27/10	105-559	I	0.00	0.00	8.28	0.00	$0.00	$0.00	$0.00
50 - DOMESTIC WASTE				0.00	0.00	1,007.08	0.00	$0.00	$0.00	$0.00
68 tickets and 68 transactions										
104 - CITY OF NEW BEDFORD - D.P.W.				0.00	0.00	1,007.08	0.00	$0.00	$0.00	$0.00
68 tickets and 68 transactions										
Report Grand Totals				0.00	0.00	1,007.08	0.00	$0.00	$0.00	$0.00
68 tickets and 68 transactions										

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

Release Tracking Number*
4 - 17604

BILL OF LADING (pursuant to 310 CMR 40.0030)

A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:

Release Name (optional): Former Reliable Truss Site

Street: 246 River Road Location Aid:

City/Town: New Bedford ZIP Code: 02740

Date/Period of Generation: 5/24/2010 to: 6/10/2010

Additional Release Tracking Numbers Associated with this Bill of Lading:

** Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.*

B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

Name of Organization: City of New Bedford, Massachusetts

Name of Contact: Scott Alfonse Title: Director, Dept. of Env. Stewardship

Street: 133 William Street

City/Town: New Bedford State: MA ZIP Code: 02740

Telephone: Ext.:

C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

☐ RP or PRP Specify: ☐ Owner ☐ Operator ☐ Generator ☐ Transporter Other RP or PRP:

☑ Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ Other Person:

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

D. TRANSPORTER OR COMMON CARRIER INFORMATION:

Transporter/Common Carrier Name: New Bedford Department of Public Infrastructure

Contact Person: David Fredette Title: PE

Street: 133 William Street

City/Town: New Bedford State: MA ZIP Code: 02740

Telephone: (508) 979-1528 Ext.:

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:

Operator/Facility Name: Crapo Hill Landfill

Contact Person: Hank Van Laarhoven Title: Director of Operations

Street: 300 Samuel Barnett Boulevard

City/Town: New Bedford State: MA ZIP Code: 02740

Telephone: 508-763-5924 Ext.:

Type of Facility: (check one)

☐ Asphalt Batch/Cold Mix ☐ Landfill/Disposal ☐ Incinerator ☐ Temporary Storage

☐ Asphalt Batch/Hot Mix ☑ Landfill/Daily Cover ☐ Other:

☐ Thermal Processing ☐ Landfill/Structural Fill

EPA Identification #:

Division of Hazardous Waste/Class A Permit #: Division of Solid Waste Management Permit #: 93537

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): to:

Reason for Temporary Storage:

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*
4 - 17604

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued) :

Temporary Storage Address:

Street: _____

City/Town: _____ State: _____ ZIP Code: _____

F. DESCRIPTION OF REMEDIATION WASTE:
(check all that apply)

☑ Contaminated Media (check all that apply): ☑ Soil ○ Groundwater ○ Surface Water ○ Other: _____

☑ Contaminated Debris (check all that apply): ○ Vegetation or Organic Debris ○ Demolition/Construction Waste
○ Inorganic Absorbant Materials ☑ Other: Polyethylene Sheeting

☐ Non-hazardous Uncontainerized Waste (check all that apply): ○ Non-aqueous Phase Liquid ○ Other: _____

☐ Non-hazardous Containerized Waste (check all that apply): ○ Tank Bottoms/Sludges ○ Containers ○ Drums
○ Engineered Impoundments ○ Other: _____

Type of Contamination (check all that apply): ☐ Gasoline ☐ Diesel Fuel ☐ #2 Oil ☐ #4 Oil ☐ #6 Oil ☐ Waste Oil
☐ Kerosene ☐ Jet Fuel ☐ Other: Lead

Estimated Volume of Materials: Cubic Yards: 1000 Tons: 1500 Other: _____

Contaminant Source (check one/specify): ☐ Transportation Accident ☐ Underground Storage Tank ☑ Other: fill

Response Action Associated with Bill of Lading (check one): ☐ Immediate Response Action ☑ Release Abatement Measure

☐ Utility-Related Abatement Measure ☐ Limited Removal Action ☐ Comprehensive Response Action ☐ Other _____

Remediation Waste Charcterization Support Documentation attached:
☑ Site History Information ☐ Sampling and Analytical Methods and Procedures ☑ Laboratory Data ☐ Field Screening Data

If supporting documentation is not appended, provide an attachment stating thedate and in connection with what document such information was previously submitted to DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: TRC Environmental Corporation

LSP Name: David Sullivan Title: Senior Project Manager

Telephone: (978) 970-5600 Ext.: 3565

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of

(i) the standard of care in 309 CMR 4.02(1),
(ii) the applicable provisions of 309 CMR 4.02(2) and (3), and
(iii) the provisions of 309 CMR 4.03(5),

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

LSP Signature: _____ Seal:

Date: June 11, 2010

License Number: 1488

COMMONWEALTH OF MASSACHUSETTS
DAVID M. SULLIVAN No. 1488
REGISTERED LICENSED SITE PROFESSIONAL

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING **(pursuant to 310 CMR 40.0030)**

Release Tracking Number*
4 - 17604

H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: _____ Date: 6/17/2010

Name of Person (print): DAVID FRESETTE

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 1 **OF** 8

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: RG
Date of Shipment: 6/17/2010
Time of Shipment: 8:00 ☑ AM ☐ PM
Truck/Tractor Registration: 554 / M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 8:24 Am ☒ AM ☐ PM
Load Size (cu. yds./tons): 19.76 tons

Load 2:
Signature of Transporter Representative: RG
Date of Shipment: 6/17/2010
Time of Shipment: 8:48 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 9:12 ☒ AM ☐ PM
Load Size (cu. yds./tons): 17.78 tons

Load 3:
Signature of Transporter Representative: RG
Date of Shipment: 6/17
Time of Shipment: 9:35 ☑ AM ☐ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 9:52 ☒ AM ☐ PM
Load Size (cu. yds./tons): 18.62 tons

Load 4:
Signature of Transporter Representative: RG
Date of Shipment: 6/17
Time of Shipment: 12:45 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 12:55 ☐ AM ☒ PM
Load Size (cu. yds./tons): 16.24 tons

Load 5:
Signature of Transporter Representative: RG
Date of Shipment: 6/17
Time of Shipment: 13:15 ☐ AM ☑ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt: Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment: Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration: Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt: Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:
Total Volume Recorded This Page (cu. yds./tons) 72.4
Total Carried Forward (cu. yds./tons):
Total Carried Forward and This Page (cu. yds./tons) 72.4

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 2 **OF** 8

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 6/17/2010
Time of Shipment: 8:05 ☑ AM ☐ PM
Truck/Tractor Registration: 559 / M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt: 6/17/10
Time of Receipt: 8:29 ☒ AM ☐ PM
Load Size (cu. yds./tons): 7.97 tons

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 9:00 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10
Time of Receipt: 9:16 ☒ AM ☐ PM
Load Size (cu. yds./tons): 7.69 tons

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 9:38 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10
Time of Receipt: 9:54 ☒ AM ☐ PM
Load Size (cu. yds./tons): 8.37

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 10:20 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10
Time of Receipt: 10:33 ☒ AM ☐ PM
Load Size (cu. yds./tons): 8.31 tons

Load 5:
Signatiure of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 11:00 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10
Time of Receipt: 11:18 ☒ AM ☐ PM
Load Size (cu. yds./tons): 8.90 tons

Load 6:
Signatiure of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 11:50 ☑ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10
Time of Receipt: 12:59 ☐ AM ☒ PM
Load Size (cu. yds./tons): 7.81 tons

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 49.05
Total Carried Forward (cu. yds./tons): 72.4
Total Carried Forward and This Page (cu. yds./tons): 121.45

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 3 **OF** 8

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative:
Date of Shipment: 6/17/2010
Time of Shipment: 8:10 ☑ AM ☐ PM
Truck/Tractor Registration: 551 / M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 8:30 ☒ AM ☐ PM
Load Size (cu. yds./tons): 20.25

Load 2:
Signature of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 9:05 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 9:21 ☒ AM ☐ PM
Load Size (cu. yds./tons): 16.60 tons

Load 3:
Signature of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 9:55 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 10:14 ☒ AM ☐ PM
Load Size (cu. yds./tons): 19.48 tons

Load 4:
Signature of Transporter Representative:
Date of Shipment: 6/17/2010
Time of Shipment: 10:50 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 11:02 ☒ AM ☐ PM
Load Size (cu. yds./tons): 19.06 tons

Load 5:
Signature of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 11:35 ☑ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 12:32 ☐ AM ☒ PM
Load Size (cu. yds./tons): 18.45 tons

Load 6:
Signature of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 13:00 ☐ AM ☑ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 1:20 ☐ AM ☒ PM
Load Size (cu. yds./tons): 18.75 Tons

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 112.59
Total Carried Forward (cu. yds./tons): 121.45
Total Carried Forward and This Page (cu. yds./tons) 234.04

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 4 **OF** 8

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 8:15 ☑ AM ☐ PM
Truck/Tractor Registration: 575 / M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt: 6/17/10 Time of Receipt: 8:32 ☒ AM ☐ PM
Load Size (cu. yds./tons): 6.94 tons

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 9:10 ☑ AM ☐ PM
Truck/Tractor Registration: M73774
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt: 6/17/10 Time of Receipt: 9:24 ☒ AM ☐ PM
Load Size (cu. yds./tons): 6.83 tons

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 10:15 ☑ AM ☐ PM
Truck/Tractor Registration: 557 / M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt: 6/17/10 Time of Receipt: 10:30 ☒ AM ☐ PM
Load Size (cu. yds./tons): 9.91 tons

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 10:58 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt: 6/17/10 Time of Receipt: 11:15 ☒ AM ☐ PM
Load Size (cu. yds./tons): 11.18 ton

Load 5:
Signatiure of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 11:45 ☑ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 34.86
Total Carried Forward (cu. yds./tons): 234.04
Total Carried Forward and This Page (cu. yds./tons) 268.90

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 5 **OF** 8

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 8:18 ☑ AM ☐ PM
Truck/Tractor Registration: 558 / M50654
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: MF
Date of Receipt: 6/17/10 Time of Receipt: 8:34 ☒ AM ☐ PM
Load Size (cu. yds./tons): 9.73 tons

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 9:03 ☑ AM ☐ PM
Truck/Tractor Registration: M50654
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 9:18 ☒ AM ☐ PM
Load Size (cu. yds./tons): 9.58 tons

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 9:43 ☑ AM ☐ PM
Truck/Tractor Registration: M50654
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 10:02 ☒ AM ☐ PM
Load Size (cu. yds./tons): 10.01 tons

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 6/17
Time of Shipment: 10:30 ☑ AM ☐ PM
Truck/Tractor Registration: M50654
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 10:44 ☒ AM ☐ PM
Load Size (cu. yds./tons): 11.61 tons

Load 5:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 40.93
Total Carried Forward (cu. yds./tons): 268.90
Total Carried Forward and This Page (cu. yds./tons): 309.83

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 6 **OF** 8

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: RA
Date of Shipment: 6/17/2010
Time of Shipment: 8:20 ☑ AM ☐ PM
Truck/Tractor Registration: 553/M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 8:37 ☒ AM ☐ PM
Load Size (cu. yds./tons): 19.42 tons

Load 2:
Signature of Transporter Representative: RA
Date of Shipment: 6/17
Time of Shipment: 9:15 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 9:32 ☒ AM ☐ PM
Load Size (cu. yds./tons): 18.45 tons

Load 3:
Signature of Transporter Representative: RA
Date of Shipment: 6/17
Time of Shipment: 9:59 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 10:18 ☒ AM ☐ PM
Load Size (cu. yds./tons): 20.39 tons

Load 4:
Signature of Transporter Representative: RA
Date of Shipment: 6/17
Time of Shipment: 10:52 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 11:10 ☒ AM ☐ PM
Load Size (cu. yds./tons): 18.97 tons

Load 5:
Signature of Transporter Representative: RA
Date of Shipment: 6/17/2010
Time of Shipment: 12:40 ☑ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 12:51 ☐ AM ☒ PM
Load Size (cu. yds./tons): 16.72 tons

Load 6:
Signature of Transporter Representative: RA
Date of Shipment: 6/17/2010
Time of Shipment: 13:20 ☐ AM ☑ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 1:42 ☐ AM ☒ PM
Load Size (cu. yds./tons): 16.99

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 110.94
Total Carried Forward (cu. yds./tons): 309.83
Total Carried Forward and This Page (cu. yds./tons): 420.77

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 7 **OF** 8

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 6/17/2010
Time of Shipment: 8:23 ☑ AM ☐ PM
Truck/Tractor Registration: 552/M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CF
Date of Receipt: 6/17/10 Time of Receipt: 8:39 ☒ AM ☐ PM
Load Size (cu. yds./tons): 15.35 tons

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 6/17/2010
Time of Shipment: 9:20 ☑ AM ☐ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 9:35 ☒ AM ☐ PM
Load Size (cu. yds./tons): 13.94 tons

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 6/17/2010
Time of Shipment: 10:10 ☑ AM ☐ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 10:26 ☒ AM ☐ PM
Load Size (cu. yds./tons): 17.24 tons

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 6/17/2010
Time of Shipment: 10:55 ☑ AM ☐ PM
Truck/Tractor Registration: M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 11:13 ☒ AM ☐ PM
Load Size (cu. yds./tons): 16.69 tons

Load 5:
Signatiure of Transporter Representative:
Date of Shipment: 6/17/2010
Time of Shipment: 12:56 ☑ AM ☐ PM
Truck/Tractor Registration: 552/M62800
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10 Time of Receipt: 1:09 ☐ AM ☒ PM
Load Size (cu. yds./tons): 15.84 tons

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 79.06
Total Carried Forward (cu. yds./tons): 420.77
Total Carried Forward and This Page (cu. yds./tons): 499.83

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number 4 - 17604

SUMMARY SHEET 8 **OF** 8

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 6/17/2010
Time of Shipment: 8:45 ☑ AM ☐ PM
Truck/Tractor Registration: T-1 / 83087
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10
Time of Receipt: 9:15 ☒ AM ☐ PM
Load Size (cu. yds./tons): 24.88 tons

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 6/17/2010
Time of Shipment: 9:50 ☑ AM ☐ PM
Truck/Tractor Registration: T-1 / 83887
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10
Time of Receipt: 10:20 ☒ AM ☐ PM
Load Size (cu. yds./tons): 27.78 tons

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 6/17/2010
Time of Shipment: 10:45 ☑ AM ☐ PM
Truck/Tractor Registration: T-1 / 83887
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10
Time of Receipt: 10:59 ☒ AM ☐ PM
Load Size (cu. yds./tons): 28.23 tons

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 6/17/2010
Time of Shipment: 11:30 ☑ AM ☐ PM
Truck/Tractor Registration: T-1 / 83887
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10
Time of Receipt: 11:49 ☒ AM ☐ PM
Load Size (cu. yds./tons): 30.06 tons

Load 5:
Signatiure of Transporter Representative:
Date of Shipment: 6/17/2010
Time of Shipment: 13:25 ☐ AM ☑ PM
Truck/Tractor Registration: 559 / M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: LF
Date of Receipt: 6/17/10
Time of Receipt: 1:47 ☐ AM ☒ PM
Load Size (cu. yds./tons): 6.03 tons

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration: ~~559~~
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 116.98
Total Carried Forward (cu. yds./tons): 499.83
Total Carried Forward and This Page (cu. yds./tons) 616.81

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 1 **OF** 1

Release Tracking Number
4 - 17604

K. SUMMARY OF SHIPMENTS:

Date of Shipment:	Date of Receipt:	Number of Loads Shipped:	Daily Volume Shipped (cu. yds./tons):
6/17/2010	6/17/2010	40	616.81 TONS
Summary Sheet Total Shipped:		40	616.81 TONS
Bill of Lading Total Shipped (only if different):			

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030

SUMMARY SHEET

Release Tracking Number
4 - 17604

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print): Crapo Hill Landfill - GNBRRMD

Title: Sect.

Signature: Marie E Allen

Date: 7/1/2010

M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in herein is, to the best of my knowledge and belief, true, accurate and complete, I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: David J Fredette

Date: 7/1/2010

Name of Person (print): DAVID J FREDETTE

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298247
Date: 6/17/2010
Time:08:24:11 - 08:25:09

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 68700 LB Scale
Tare: 29180 LB PreTare
Net: 39520 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.76 Tons

Driver: _____ Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 298257
Date: 6/17/2010
Time:09:12:52 - 09:13:11

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 64740 LB Scale
Tare: 29180 LB PreTare
Net: 35560 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.78 Tons

Drivers: _____ Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 298266
Date: 6/17/2010
Time:09:52:53 - 09:53:02

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 66420 LB Scale
Tare: 29180 LB PreTare
Net: 37240 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.62 Tons

Driver: _____

Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298299
Date: 6/17/2010
Time:12:55:26 - 12:55:30

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 61660 LB Scale
Tare: 29180 LB PreTare
Net: 32480 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.24 Tons

Driver: _____ Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 298248
Date: 6/17/2010
Time:08:29:21 - 08:29:33

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 30000 LB Scale
Tare: 14060 LB PreTare
Net: 15940 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.97 Tons

Driver: _____ Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 298258
Date: 6/17/2010
Time:09:16:17 - 09:16:26

Truck: 105-559
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 29440 LB Scale
Tare: 14060 LB PreTare
Net: 15380 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.69 Tons

Driver: _____

Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 290267
Date: 6/17/2010
Time:09:54:42 - 09:54:53

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 30800 LB Scale
Tare: 14060 LB PreTare
Net: 16740 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.37 Tons

Driver: _____ Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 290200
Date: 6/17/2010
Time:10:33:41 - 10:33:58

CROWO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 30680 LB Scale
Tare: 14060 LB PreTare
Net: 16620 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.31 Tons

Driver: Deputy Weighmasters: LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298291
Date: 6/17/2010
Time: 11:18:41 - 11:18:55

CRAPO HILL LANDFILL

SCALE PHONE 508-998-3674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 31860 LB Scale
Tare: 14060 LB PreTare
Net: 17800 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.90 Tons

Driver: _____ Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298300
Date: 6/17/2010
Time: 12:59:34 - 12:59:42

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 29680 LB Scale
Tare: 14060 LB PreTare
Net: 15620 LB

Comment:

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.81 Tons

Driver: _____ Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 290249
Date: 6/17/2010
Time:08:30:52 - 08:31:15

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 66140 LB Scale
Tare: 25640 LB PreTare
Net: 40500 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	20.25 Tons

Driver: _____ Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298260
Date: 6/17/2010
Time:09:21:53 - 09:22:04

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 5AC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 58040 LB Scale
Tare: 25640 LB PreTare
Net: 33200 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.60 Tons

Driver: _____

Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298273
Date: 6/17/2010
Time:10:14:38 - 10:14:53

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 64600 LB Scale
Tare: 25640 LB PreTare
Net: 38960 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.48 Tons

Driver: _____

Deputy Weighmaster: LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298285
Date: 6/17/2010
Time:11:02:29 - 11:02:40

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 63760 LB Scale
Tare: 25640 LB PreTare
Net: 38120 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.06 Tons

Driver: _____

Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298296
Date: 6/17/2010
Time:12:32:42 - 12:32:55

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 62540 LB Scale
Tare: 25640 LB PreTare
Net: 36900 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.45 Tons

Driver: _____

Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 296307
Date: 6/17/2010
Time:13:20:26 - 13:20:36

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 63140 LB Scale
Tare: 25640 LB PreTare
Net: 37500 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.75 Tons

Driver: _____

Deputy Weighmaster: LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 298250
Date: 6/17/2010
Time:08:32:36 - 08:32:51

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross: 29680 LB Scale
Tare: 15800 LB PreTare
Net: 13880 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	6.94 Tons

Driver: B. 11 DAYS

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-990-5674

Ticket: 298261
Date: 6/17/2010
Time:09:24:25 - 09:24:37

Truck: 105-575
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 105/NEW BEDFORD WASTE WTruck Type: DUMP TRUCK

Gross:	29460 LB	Scale
Tare:	15800 LB	PreTare
Net:	13660 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	6.83 Tons

Driver: Bob Davis

Deputy Weighmaster: LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298279
Date: 6/17/2010
Time: 10:30:23 - 10:30:37

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 35920 LB Scale
Tare: 16100 LB PreTare
Net: 19820 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.91 Tons

Drivers: Bill Davis

Deputy Weighmaster: LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298290
Date: 6/17/2010
Time: 11:15:35 - 11:15:46

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 38460 LB Scale
Tare: 16100 LB PreTare
Net: 22360 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	11.18 Tons

Driver: B-11 DAYS

Deputy Weighmaster: LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298251
Date: 6/17/2010
Time:08:34:06 - 08:34:16

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-558
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 36780 LB Scale
Tare: 17320 LB PreTare
Net: 19460 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.73 Tons

Driver: _____

Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-996-5674

Ticket: 298259
Date: 6/17/2010
Time:09:18:16 - 09:18:27

Truck: 105-55A
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 36480 LB Scale
Tare: 17320 LB PreTare
Net: 19160 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.58 Tons

Driver: _____

Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 290270
Date: 6/17/2010
Time:10:02:31 - 10:02:43

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-558
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 37340 LB Scale
Tare: 17320 LB PreTare
Net: 20020 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	10.01 Tons

Driver: _____

Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 290282
Date: 6/17/2010
Time:10:44:01 - 10:44:11

Truck: 105-55A
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 40540 LB Scale
Tare: 17320 LB PreTare
Net: 23220 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	11.61 Tons

Driver: _____

Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 298252
Date: 6/17/2010
Time:08:37:04 - 08:37:24

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 65400 LB Scale
Tare: 26560 LB PreTare
Net: 38840 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.42 Tons

Driver: _____

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298264
Date: 6/17/2010
Time:09:32:40 - 09:32:50

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	63460 LB	Scale
Tare:	26560 LB	PreTare
Net:	36900 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.45 Tons

Driver: _____

Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298274
Date: 6/17/2010
Time:10:18:47 - 10:18:50

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 67340 LB Scale
Tare: 26560 LB PreTare
Net: 40780 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	20.39 Tons

Driver: _____

Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298288
Date: 6/17/2010
Time: 11:10:30 - 11:10:42

CRAPO HILL LANDFILL

SCALE PHONE 508-990-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 64500 LB Scale
Tare: 26560 LB PreTare
Net: 37940 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.97 Tons

Driver: _____

Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CROPO HILL LANDFILL

SCALE PHONE 508-996-5674

Ticket: 298297
Date: 6/17/2010
Time:12:51:38 - 12:51:51

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 60000 LB Scale
Tare: 26560 LB PreTare
Net: 33440 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.72 Tons

Driver: _____

Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298311
Date: 6/17/2010
Time: 13:42:29 - 13:42:39

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 60540 LB Scale
Tare: 26560 LB PreTare
Net: 33980 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.99 Tons

Driver: _____

Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 298253
Date: 6/17/2010
Time: 08:39:59 - 08:40:11

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 61020 LB Scale
Tare: 30320 LB PreTare
Net: 30700 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.35 Tons

Driver: Jose R. Silva

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 290265
Date: 6/17/2010
Time: 09:35:33 - 09:35:44

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 58200 LB Scale
Tare: 30320 LB PreTare
Net: 27880 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	13.94 Tons

Driver: Joel Silva

Deputy Weighmaster: LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298277
Date: 6/17/2010
Time: 10:26:46 - 10:26:57

CRAPO HILL LANDFILL -

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 64800 LB Scale
Tare: 30320 LB PreTare
Net: 34480 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.24 Tons

Driver: Joe B. Silva Deputy Weighmaster: LEE FERREIRA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298289
Date: 6/17/2010
Time: 11:13:13 - 11:13:23

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 63700 LB Scale
Tare: 30320 LB PreTare
Net: 33380 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.69 Tons

Driver: Jose B. Silva

Deputy Weighmaster: LEE FERREIRA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298306
Date: 6/17/2010
Time:13:09:38 - 13:09:49

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-552
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 62000 LB Scale
Tare: 30320 LB PreTare
Net: 31680 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.84 Tons

Driver: Joao B. Ferreira

Deputy Weighmaster: LEE FERREIRA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 290263
Date: 6/17/2010
Time:09:15:09 - 09:28:58

Truck: 600-LAL
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 600/MISCELLANEOUS Truck Type: TRACTOR TRAILER

Gross: 87140 LB Scale
Tare: 37380 LB Scale
Net: 49760 LB

Comments: RIVER RD.

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	24.88 Tons

Driver: _____ Deputy Weighmaster: LEE FERREIRA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CROPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 298272
Date: 6/17/2010
Time:10:10:20 - 10:10:33

Truck: 600-LAL
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 600/MISCELLANEOUS Truck Type: TRACTOR TRAILER

Gross: 92760 LB Scale
Tare: 37200 LB PreTare
Net: 55560 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	27.78 Tons

Driver: _____ Deputy Weighmaster: _____
LEE FERREIRA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298204
Date: 6/17/2010
Time:10:59:21 - 10:59:34

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 600-LAL
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 600/MISCELLANEOUS Truck Type: TRACTOR TRAILER

Gross: 93660 LB Scale
Tare: 37200 LB PreTare
Net: 56460 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	28.23 Tons

Driver: _____ Deputy Weighmaster: _____
LEE FERREIRA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298293
Date: 6/17/2010
Time:11:49:24 - 11:49:40

CRAPO HILL LANDFILL

SCALE PHONE 508-994-5674

Truck: 600-LAL
Customer: 104/CITY OF NEW BEDFORD -
Carrier: 600/MISCELLANEOUS Truck Type: TRACTOR TRAILER

Gross: 97320 LB Scale
Tare: 37200 LB PreTare
Net: 60120 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	30.06 Tons

Driver: J M Avin

Deputy Weighmaster: LEE FERREIRA

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

Ticket: 298314
Date: 6/17/2010
Time:13:47:29 - 13:47:40

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 104/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 26120 LB Scale
Tare: 14060 LB PreTare
Net: 12060 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	6.03 Tons

Driver: Deputy Weighmaster: LEE FERREIRA

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Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*
4 - 17604

A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:

Release Name (optional): Former Reliable Truss Site

Street: 246 River Road Location Aid:

City/Town: New Bedford ZIP Code: 02740

Date/Period of Generation: 6/11/2010 to: 6/17/2010

Additional Release Tracking Numbers Associated with this Bill of Lading:

** Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.*

B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

Name of Organization: City of New Bedford, Massachusetts

Name of Contact: Scott Alfonse Title: Director, Dept. of Env. Stewardship

Street: 133 William Street

City/Town: New Bedford State: MA ZIP Code: 02740

Telephone: Ext.:

C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

☐ RP or PRP Specify: ☐ Owner ☐ Operator ☐ Generator ☐ Transporter Other RP or PRP:

☑ Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☐ Other Person:

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

D. TRANSPORTER OR COMMON CARRIER INFORMATION:

Transporter/Common Carrier Name: New Bedford Department of Public Infrastructure

Contact Person: David Fredette Title: PE

Street: 133 William Street

City/Town: New Bedford State: MA ZIP Code: 02740

Telephone: (508) 979-1528 Ext.:

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:

Operator/Facility Name: Crapo Hill Landfill

Contact Person: Hank Van Laarhoven Title: Director of Operations

Street: 300 Samuel Barnett Boulevard

City/Town: New Bedford State: MA ZIP Code: 02740

Telephone: 508-763-5924 Ext.:

Type of Facility: (check one)

☐ Asphalt Batch/Cold Mix ☐ Landfill/Disposal ☐ Incinerator ☐ Temporary Storage

☐ Asphalt Batch/Hot Mix ☑ Landfill/Daily Cover ☐ Other:

☐ Thermal Processing ☐ Landfill/Structural Fill

EPA Identification #:

Division of Hazardous Waste/Class A Permit #: Division of Solid Waste Management Permit #: 93537

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): to:

Reason for Temporary Storage:

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*
4 - 17604

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued) :

Temporary Storage Address:

Street: _____

City/Town: _____ State: _____ ZIP Code: _____

F. DESCRIPTION OF REMEDIATION WASTE:
(check all that apply)

☑ Contaminated Media (check all that apply): ☑ Soil ○ Groundwater ○ Surface Water ○ Other: _____

☑ Contaminated Debris (check all that apply): ○ Vegetation or Organic Debris ○ Demolition/Construction Waste
○ Inorganic Absorbant Materials ☑ Other: Polyethylene Sheeting

☐ Non-hazardous Uncontainerized Waste (check all that apply): ○ Non-aqueous Phase Liquid ○ Other: _____

☐ Non-hazardous Containerized Waste (check all that apply): ○ Tank Bottoms/Sludges ○ Containers ○ Drums
○ Engineered Impoundments ○ Other: _____

Type of Contamination (check all that apply): ☐ Gasoline ☐ Diesel Fuel ☐ #2 Oil ☐ #4 Oil ☐ #6 Oil ☐ Waste Oil
☐ Kerosene ☐ Jet Fuel ☐ Other: Lead

Estimated Volume of Materials: Cubic Yards: <500 Tons: <750 Other: _____

Contaminant Source (check one/specify): ☐ Transportation Accident ☐ Underground Storage Tank ☑ Other: fill

Response Action Associated with Bill of Lading (check one): ☐ Immediate Response Action ☑ Release Abatement Measure

☐ Utility-Related Abatement Measure ☐ Limited Removal Action ☐ Comprehensive Response Action ☐ Other _____

Remediation Waste Charcterization Support Documentation attached:
☑ Site History Information ☐ Sampling and Analytical Methods and Procedures ☑ Laboratory Data ☐ Field Screening Data

If supporting documentation is not appended, provide an attachment stating thedate and in connection with what document such information was previously submitted to DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: TRC Environmental Corporation

LSP Name: David Sullivan Title: Senior Project Manager

Telephone: (978) 970-5600 Ext.: 3565

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of

(i) the standard of care in 309 CMR 4.02(1),
(ii) the applicable provisions of 309 CMR 4.02(2) and (3), and
(iii) the provisions of 309 CMR 4.03(5),

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

LSP Signature: D. M. Sullivan

Date: 7/8/2010

License Number: 1488

Seal: COMMONWEALTH OF MASSACHUSETTS DAVID M. SULLIVAN No. 1488 REGISTERED LICENSED SITE PROFESSIONAL

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING **(pursuant to 310 CMR 40.0030)**

Release Tracking Number*
4 - 17604

H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: _____ Date: 8/4/2010

Name of Person (print): DAVID J FREDETTE

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Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 1 **OF** _____

Release Tracking Number: 4 - 17604

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 8/4/10
Time of Shipment: 1:00 ☐ AM ☒ PM
Truck/Tractor Registration: M75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 8/4/10
Time of Receipt: 114 ☐ AM ☒ PM
Load Size (cu. yds./tons): 19.61

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 8/4/2010
Time of Shipment: 1:35 ☐ AM ☒ PM
Truck/Tractor Registration: 554 75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 8/4/10
Time of Receipt: 145 ☐ AM ☒ PM
Load Size (cu. yds./tons): 20.98

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 8/4/2010
Time of Shipment: 2:15 ☐ AM ☒ PM
Truck/Tractor Registration: 554 75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 8/4/10
Time of Receipt: 229 ☐ AM ☒ PM
Load Size (cu. yds./tons): 19.54

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 8/4/2010
Time of Shipment: 2:50 ☐ AM ☒ PM
Truck/Tractor Registration: 554 75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 8/4/10
Time of Receipt: 301 ☐ AM ☒ PM
Load Size (cu. yds./tons): 19.44

Load 5:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/2010
Time of Shipment: 7:45 ☒ AM ☐ PM
Truck/Tractor Registration: 554 75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 7:39 ☒ AM ☐ PM
Load Size (cu. yds./tons): 16.51

Load 6:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/2010
Time of Shipment: 8:22 ☒ AM ☐ PM
Truck/Tractor Registration: 554 75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 8/5/10
Time of Receipt: 9:34 ☒ AM ☐ PM
Load Size (cu. yds./tons): 18.30

J. LOG SHEET VOLUME INFORMATION:
Total Volume Recorded This Page (cu. yds./tons) 114.38
Total Carried Forward (cu. yds./tons): 0
Total Carried Forward and This Page (cu. yds./tons): 114.38

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Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 2 **OF** _____

Release Tracking Number: 4 - 17604

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative: WD
Date of Shipment: 8/4/10
Time of Shipment: 1:00 ☐ AM ☒ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 8/4/10
Time of Receipt: 122 ☐ AM ☑ PM
Load Size (cu. yds./tons): 20.97

Load 2:
Signatiure of Transporter Representative: WD
Date of Shipment: 8/4/10
Time of Shipment: 1:45 ☐ AM ☒ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 8/4/10
Time of Receipt: 200 ☐ AM ☑ PM
Load Size (cu. yds./tons): 21.57

Load 3:
Signatiure of Transporter Representative: WD
Date of Shipment: 8/4/10
Time of Shipment: 2:40 ☐ AM ☒ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 8/4/10
Time of Receipt: 241 ☐ AM ☑ PM
Load Size (cu. yds./tons): 22.00

Load 4:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:
Total Volume Recorded This Page (cu. yds./tons) 64.54
Total Carried Forward (cu. yds./tons): 114.38
Total Carried Forward and This Page (cu. yds./tons): 178.92

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Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 3 **OF** _____

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: RG
Date of Shipment: 8/4/10
Time of Shipment: 1:15 ☐ AM ☒ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 8/4/10
Time of Receipt: 1:25 ☐ AM ☑ PM
Load Size (cu. yds./tons): 19.93

Load 2:
Signature of Transporter Representative: RG
Date of Shipment: 8/4/10
Time of Shipment: 1:50 ☐ AM ☒ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 8/4/10
Time of Receipt: ☐ AM ☑ PM
Load Size (cu. yds./tons): 20.15

Load 3:
Signature of Transporter Representative: RG
Date of Shipment: 8/4/10
Time of Shipment: 2:30 ☐ AM ☒ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 8/4/10
Time of Receipt: 2:45 ☐ AM ☑ PM
Load Size (cu. yds./tons): 18.90

Load 4:
Signature of Transporter Representative: RG
Date of Shipment: 8/5/10
Time of Shipment: 0755 ☒ AM ☐ PM
Truck/Tractor Registration: ~~M500~~ M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 8:07 ☑ AM ☐ PM
Load Size (cu. yds./tons): 19.19

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Load 5:
Signature of Transporter Representative: RG
Date of Shipment: 8/5/10
Time of Shipment: 0835 ☒ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 9:46 ☑ AM ☐ PM
Load Size (cu. yds./tons): 18.69

Load 6:
Signature of Transporter Representative: RG
Date of Shipment: 8/5/10
Time of Shipment: 0915 ☒ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 9:25 ☑ AM ☐ PM
Load Size (cu. yds./tons): 18.90

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 115.76
Total Carried Forward (cu. yds./tons): 178.92
Total Carried Forward and This Page (cu. yds./tons): 294.68

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Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 4 **OF** _____

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative: [signature]
Date of Shipment: 8/4/10
Time of Shipment: 13:15 (1:15) ☐ AM ☒ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHC
Date of Receipt: 8/4/10
Time of Receipt: 127 ☐ AM ☒ PM
Load Size (cu. yds./tons): 13.13

Load 2:
Signatiure of Transporter Representative: [signature]
Date of Shipment: 8/4/10
Time of Shipment: 13:55 ☐ AM ☒ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHC
Date of Receipt: 8/4/10
Time of Receipt: 210 ☐ AM ☒ PM
Load Size (cu. yds./tons): 12.44

Load 3:
Signatiure of Transporter Representative: [signature]
Date of Shipment: 8/4/10
Time of Shipment: 1435 ☐ AM ☒ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHC
Date of Receipt: 8/4/10
Time of Receipt: 248 ☐ AM ☒ PM
Load Size (cu. yds./tons): 12.36

Load 4:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration: M
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 37.93
Total Carried Forward (cu. yds./tons): 294.68
Total Carried Forward and This Page (cu. yds./tons): 332.61

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Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 5 **OF** _____

Release Tracking Number: 4 - 17604

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 8/4/10
Time of Shipment: 1:20 ☐ AM ☒ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 8/4/10
Time of Receipt: 1:29 ☐ AM ☒ PM
Load Size (cu. yds./tons): 9.07

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 8/4/10
Time of Shipment: 2:00 ☐ AM ☒ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 8/4/10
Time of Receipt: 2:13 ☐ AM ☒ PM
Load Size (cu. yds./tons): 8.65

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 8/4/10
Time of Shipment: 2:40 ☐ AM ☒ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL
Date of Receipt: 8/4/10
Time of Receipt: 2:53 ☐ AM ☒ PM
Load Size (cu. yds./tons): 7.82

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/10
Time of Shipment: 07:40 ☒ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 7:57 ☒ AM ☐ PM
Load Size (cu. yds./tons): 6.62

Load 5:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/10
Time of Shipment: 0820 ☒ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 8:39 ☒ AM ☐ PM
Load Size (cu. yds./tons): 7.51

Load 6:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/10
Time of Shipment: 0855 ☒ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 9:10 ☒ AM ☐ PM
Load Size (cu. yds./tons): 7.69

J. LOG SHEET VOLUME INFORMATION:
Total Volume Recorded This Page (cu. yds./tons) 47.36
Total Carried Forward (cu. yds./tons): 332.61
Total Carried Forward and This Page (cu. yds./tons): 379.97

553

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 6 **OF** _____

Release Tracking Number: 4 - 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: [signature]
Date of Shipment: 8/5/10
Time of Shipment: 0800 ☒ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 8:13 ☒ AM ☐ PM
Load Size (cu. yds./tons): 16.77

Load 2:
Signature of Transporter Representative: [signature]
Date of Shipment: 8/5/10
Time of Shipment: 0840 ☒ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 8:55 ☒ AM ☐ PM
Load Size (cu. yds./tons): 17.82

Load 3:
Signature of Transporter Representative: [signature]
Date of Shipment: 8/5/10
Time of Shipment: 0920 ☒ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 9:35 ☒ AM ☐ PM
Load Size (cu. yds./tons): 16.34

Load 4:
Signature of Transporter Representative: [signature]
Date of Shipment: 8/5/10
Time of Shipment: 10:05 ☒ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 10:18 ☒ AM ☐ PM
Load Size (cu. yds./tons): 17.30

Load 5:
Signature of Transporter Representative: [signature]
Date of Shipment: 8/5/10
Time of Shipment: 1040 ☒ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 10:58 ☒ AM ☐ PM
Load Size (cu. yds./tons): 17.66

Load 6:
Signature of Transporter Representative: [signature]
Date of Shipment: 8/5/10
Time of Shipment: 1120 ☒ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: ☒ AM ☐ PM
Load Size (cu. yds./tons): 17.39

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 103.28
Total Carried Forward (cu. yds./tons): 379.97
Total Carried Forward and This Page (cu. yds./tons): 483.25

554

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number: 4 - 17604

SUMMARY SHEET 7 **OF** _____

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/10
Time of Shipment: 0900 ☒ AM ☐ PM
Truck/Tractor Registration: 554 M 75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 9:13 ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.11

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/2010
Time of Shipment: 9:45 ☑ AM ☐ PM
Truck/Tractor Registration: 554 75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 9:58 ☑ AM ☐ PM
Load Size (cu. yds./tons): 19.90

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/2010
Time of Shipment: 10:15 ☑ AM ☐ PM
Truck/Tractor Registration: 554 75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 10:35 ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.77

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/2010
Time of Shipment: 11:00 ☑ AM ☐ PM
Truck/Tractor Registration: 554 75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.29

Load 5:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/2010
Time of Shipment: 11:40 ☑ AM ☐ PM
Truck/Tractor Registration: 554 75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 11:56 ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.80

Load 6:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/2010
Time of Shipment: 12:20 ☐ AM ☑ PM
Truck/Tractor Registration: 554 75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 12:40 ☐ AM ☑ PM
Load Size (cu. yds./tons): 9.45

J. LOG SHEET VOLUME INFORMATION:
Total Volume Recorded This Page (cu. yds./tons) 99.3
Total Carried Forward (cu. yds./tons): 483.25
Total Carried Forward and This Page (cu. yds./tons): 582.55

Revised 10/3/94

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Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 8 **OF** _____

Release Tracking Number: 4 - 17604

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/10
Time of Shipment: 0950 ☒ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 9:50 ☒ AM ☐ PM
Load Size (cu. yds./tons): 9.93

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/10
Time of Shipment: 1015 ☒ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 10:25 ☒ AM ☐ PM
Load Size (cu. yds./tons): 6.83

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/10
Time of Shipment: 10:50 ☒ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 11:00 ☒ AM ☐ PM
Load Size (cu. yds./tons): 7.48

Load 4:
Signatiure of Transporter Representative:
Date of Shipment: 8/5/10
Time of Shipment: 1130 ☒ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 11:45 ☒ AM ☐ PM
Load Size (cu. yds./tons): 8.17

Load 5:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 31.41
Total Carried Forward (cu. yds./tons): 582.55
Total Carried Forward and This Page (cu. yds./tons): 613.96

551

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 9 **OF** _____

Release Tracking Number: 4 - 17604

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative: RG
Date of Shipment: 8/5/10
Time of Shipment: 0955 ☒ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 10:10 ☒ AM ☐ PM
Load Size (cu. yds./~~tons~~): 20.92

Load 2:
Signatiure of Transporter Representative: RG
Date of Shipment: 8/5/10
Time of Shipment: ~~1055~~ 1035 ☒ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 10:50 ☒ AM ☐ PM
Load Size (cu. yds./~~tons~~): 19.01

Load 3:
Signatiure of Transporter Representative: RG
Date of Shipment: 8/5/10
Time of Shipment: 11:15 ☒ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 11:35 ☒ AM ☐ PM
Load Size (cu. yds./~~tons~~): 19.89

Load 4:
Signatiure of Transporter Representative: RG
Date of Shipment: 8/5/10
Time of Shipment: 1200 ☒ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/5/10
Time of Receipt: 12:08 ☐ AM ☒ PM
Load Size (cu. yds./~~tons~~): 18.38

Load 5:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:
Total Volume Recorded This Page (cu. yds./tons) 78.20
Total Carried Forward (cu. yds./tons): 613.96
Total Carried Forward and This Page (cu. yds./tons): 692.16

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 10 **OF** _____

Release Tracking Number: 4 - 17604

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: [signature]
Date of Shipment: 8/5/10
Time of Shipment: 1210 ☐ AM ☐ PM
Truck/Tractor Registration: M 50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/6/10
Time of Receipt: 12:25 ☐ AM ☑ PM
Load Size (cu. yds./tons): 16.44

Load 2:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 3:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 16.44
Total Carried Forward (cu. yds./tons): 692.16
Total Carried Forward and This Page (cu. yds./tons): 708.60

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 1 **OF** 1

Release Tracking Number
4 - 17604

K. SUMMARY OF SHIPMENTS:

Date of Shipment:	Date of Receipt:	Number of Loads Shipped:	Daily Volume Shipped (cu. yds./tons):
8/4/2010 to 8/5/2010	8/4/2010 to 8/5/2010	45	708.60
Summary Sheet Total Shipped:		45	708.60
Bill of Lading Total Shipped (only if different):			

River Road.

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030

SUMMARY SHEET

Release Tracking Number
4 - 17604

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print): Crapo Hill Landfill - GNBBRRMA Title: Sect.

Signature: Marie-Alice Date: 8/4/2010.

M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in herein is, to the best of my knowledge and belief, true, accurate and complete, I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: Date: 9/3/2010

Name of Person (print): DAVID J FREDETTE

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 300551
Date: 8/4/2010
Time:14:47:52 - 14:48:10

Truck: 105-557
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 40820 LB Scale
Tare: 16100 LB PreTare
Net: 24720 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	12.36 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300542
Date: 8/4/2010
Time:14:10:10 - 14:10:20

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 40980 LB Scale
Tare: 16100 LB PreTare
Net: 24880 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	12.44 Tons

Driver: M.S.

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300528
Date: 8/4/2010
Time:13:27:05 - 13:27:21

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 42360 LB Scale
Tare: 16100 LB PreTare
Net: 26260 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	13.13 Tons

Driver: M S

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300594
Date: 8/5/2010
Time:11:46:24 - 11:46:45

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 30400 LB Scale
Tare: 14060 LB Prelare
Net: 16340 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.17 Tons

Driver: _____

Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300587
Date: 8/5/2010
Time:11:00:29 - 11:00:43

SCALE PHONE 508-990-5674

Truck: 105-559
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 29020 LB Scale
Tare: 14060 LB PreTare
Net: 14960 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.48 Tons

Driver: _____ Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300580
Date: 8/5/2010
Time:10:25:25 - 10:25:38

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 27720 LB Scale
Tare: 14060 LB PreTare
Net: 13660 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	6.83 Tons

Driver: _____

Deputy Weighmaster: _____
GEORGE MACIEL

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GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998.5674

Ticket: 300576
Date: 8/5/2010
Time:09:50:57 - 09:51:24

Truck: 105-559
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	31920 LB	Scale
Tare:	14060 LB	PreTare
Net:	17860 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
RDW/NEW BEDFORD	50/DOMESTIC WASTE	8.93 Tons

Driver: _____ Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300525
Date: 8/4/2010
Time:13:22:19 - 13:22:30

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	67580 LB	Scale
Tare:	25640 LB	PreTare
Net:	41940 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	20.97 Tons

Driver: Bill Davis

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CROPO HILL LANDFILL

Ticket: 300548
Date: 8/4/2010
Time: 14:40:43 - 14:40:55

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 195/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 69640 LB Scale
Tare: 25640 LB PreTare
Net: 44000 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	22.00 Tons

Driver: Bill Doxo

Deputy Weighmaster: RICHARD ROTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CROPO HILL LANDFILL

Ticket: 300536
Date: 8/4/2010
Time: 14:00:21 -- 14:00:29

SCALE PHONE 508-998-5574

Truck: 105-551
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAG/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 68780 LB Scale
Tare: 25640 LB PreTare
Net: 43140 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	21.57 Tons

Driver: Bill Jones

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300572
Date: 8/5/2010
Time:09:08:02 - 09:08:24

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 29440 LB Scale
Tare: 14060 LB PreTare
Net: 15380 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.69 Tons

Driver: _____

Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300557
Date: 8/5/2010
Time:07:52:10 - 07:52:16

SCALE PHONE 508-990-5674

Truck: 105-559
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 27300 LB Scale
Tare: 14060 LB PreTare
Net: 13240 LB

Comment:

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	6.62 Tons

Driver: _____

Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300552
Date: 8/4/2010
Time: 14:53:40 - 14:53:40

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	29700 LB	Scale
Tare:	14060 LB	PreTare
Net:	15640 LB	

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.82 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300530
Date: 8/4/2010
Time: 13:29:19 - 13:29:29

SCALE PHONE 508-990-5674

Truck: 105-559
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 32200 LB Scale
Tare: 14060 LB PreTare
Net: 18140 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.07 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CROPO HILL LANDFILL

Ticket: 300543
Date: 8/4/2010
Time:14:13:18 - 14:13:28

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 31360 LB Scale
Tare: 14060 LB PreTare
Net: 17300 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.65 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300562
Date: 8/5/2010
Time:08:31:29 - 08:32:14

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 105/CITY OF NEW BEDFORD
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 29080 LB Scale
Tare: 14060 LB PreTare
Net: 15020 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	7.51 tons

Driver: Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 300555
Date: 8/4/2010
Time: 15:00:49 - 15:00:50

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 68060 LB Scale
Tare: 29100 LB PreTare
Net: 38880 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.44 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300545
Date: 8/4/2010
Time:14:29:00 - 14:29:09

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	68260 LB	Scale
Tare:	29100 LB	PreTare
Net:	39000 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.54 Tons

Driver: FP

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300522
Date: 8/4/2010
Time:13:14:02 - 13:14:12

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 68400 LB Scale
Tare: 29180 LB PreTare
Net: 39220 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.61 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300533
Date: 8/4/2010
Time:13:47:55 - 13:48:09

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 71140 LB Scale
Tare: 29180 LB PreTare
Net: 41960 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	20.98 Tons

Driver: FP

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DIST.

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300559
Date: 8/5/2010
Time:07:58:22 - 07:58:58

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 62200 LB Scale
Tare: 29180 LB PreTare
Net: 33020 LB

Comment:

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.51 Tons

Driver: _____

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300563
Date: 8/5/2010
Time:08:35:22 - 08:35:51

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 65780 LB Scale
Tare: 29180 LB PreTare
Net: 36600 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.30 Tons

Driver: FP

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300604
Date: 8/5/2010
Time:12:40:06 - 12:40:24

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 48040 LB Scale
Tare: 29180 LB PreTare
Net: 18860 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.43 Tons

Driver: FP

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300577
Date: 8/5/2010
Time:09:58:11 - 09:58:32

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 68980 LB Scale
Tare: 29180 LB PreTare
Net: 39800 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.90 Tons

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300573
Date: 8/5/2010
Time:09:13:09 - 09:13:33

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 63400 LB Scale
Tare: 29180 LB PreTare
Net: 34220 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.11 Tons

Driver: FP

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL RE[illegible]

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300581
Date: 8/5/2010
Time:10:35:31 - 10:35:44

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross:	64720 LB	Scale
Tare:	29180 LB	PreTare
Net:	35540 LB	

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.77 Tons

Driver: FP

Deputy Weighmaster: GEORGE MACIEL

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GREATER NEW BEDFORD REGIONAL RE...

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300589
Date: 8/5/2010
Time:11:14:32 - 11:14:46

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 63760 LB Scale
Tare: 29180 LB PreTare
Net: 34580 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.29 Tons

Driver: FP

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL RE

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300596
Date: 8/5/2010
Time:11:52:16 - 11:52:38

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 64780 LB Scale
Tare: 29180 LB PreTare
Net: 35600 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.80 Tons

Driver: _____

Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300603
Date: 8/5/2010
Time:12:24:53 - 12:25:18

SCALE PHONE 508-990-5674

Truck: 105-553
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 59440 LB Scale
Tare: 26560 LB PreTare
Net: 32880 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.44 Tons

Driver: NS.

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 300592
Date: 8/5/2010
Time: 11:40:49 - 11:41:29

Truck: 105-553
Customer: 105/CITY OF NEW BEDFORD
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 61340 LB Scale
Tare: 26560 LB PreTare
Net: 34780 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.39 Tons

Driver: MS

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

[illegible] LANDFILL

SCALE PHONE 508-998-[illegible]

Ticket: 395-[illegible]
Customer: [illegible] OF NEW BEDFORD
Operator: [illegible] Truck Type: [illegible]

Ticket: [illegible]
Date: [illegible]
Time: [illegible] - [illegible]

Gross: [illegible] LB Scale
Tare: [illegible] LB Profare
Net: [illegible] LB

Comments: PAYER RB

Origin	Materials & Services	Quantity
[illegible]	[illegible]	[illegible]

Drivers: [illegible] Deputy Weighmaster: [illegible]

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 300575
Date: 8/5/2010
Time:09:34:26 - 09:34:59

Truck: 105-553
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 59240 LB Scale
Tare: 26560 LB PreTare
Net: 32680 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.34 Tons

Driver: _____

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300586
Date: 8/5/2010
Time:10:58:11 - 10:58:30

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 61880 LB Scale
Tare: 26560 LB PreTare
Net: 35320 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.66 Tons

Driver: M.S.

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300579
Date: 8/5/2010
Time:10:19:17 - 10:19:31

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 61160 LB Scale
Tare: 26560 LB PreTare
Net: 34600 LB

Comments: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.30 Tons

Driver: _____

Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8614

CROPO HILL LANDFILL

Ticket: 300569
Date: 8/5/2010
Time:08:53:20 - 08:53:56

SCALE PHONE 508-990-5674

Truck: 105-553
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 62200 LB Scale
Tare: 26560 LB PreTare
Net: 35640 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.82 Tons

Driver: M.S.

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300578
Date: 8/5/2010
Time:10:10:29 - 10:10:44

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 67480 LB Scale
Tare: 25640 LB PreTare
Net: 41840 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	20.92 Tons

Driver: _____ Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300591
Date: 8/5/2010
Time:11:33:02 - 11:33:18

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 105/CITY OF NEW BEDFORD
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 65420 LB Scale
Tare: 25640 LB PreTare
Net: 39780 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.89 Tons

Driver: _____

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300566
Date: 8/5/2010
Time:08:46:55 - 08:47:12

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 63020 LB Scale
Tare: 25640 LB PreTare
Net: 37380 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.69 Tons

Driver: _____

Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300560
Date: 8/5/2010
Time:08:07:30 - 08:07:52

SCALE PHONE 508-990-5674

Truck: 105-551
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 64020 LB Scale
Tare: 25640 LB PreTare
Net: 38380 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.19 Tons

Driver: _____ Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300574
Date: 8/5/2010
Time:09:26:27 - 09:27:09

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 63440 LB Scale
Tare: 25640 LB PreTare
Net: 37800 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.90 Tons

Driver: _____ Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300585
Date: 8/5/2010
Time: 10:50:01 - 10:50:16

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 63660 LB Scale
Tare: 25640 LB Prelare
Net: 38020 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	19.01 Tons

Driver: _____ Deputy Weighmaster: _____
GEORGE MACIEL

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300599
Date: 8/5/2010
Time:12:12:59 - 12:14:20

SCALE PHONE 508-990-5674

Truck: 105-551
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 62400 LB Scale
Tare: 25640 LB PreTare
Net: 36760 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	18.38 Tons

Driver: Rla

Deputy Weighmaster: GEORGE MACIEL

HAULER COPY

APPENDIX 6

TRC
Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

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

Memorandum

To: Daniel Watton, NSTAR Electric & Gas

From: David Sullivan, LSP, TRC Environmental Corporation

Subject: Soil Investigation Data
River's End Park, New Bedford, Massachusetts

Date: March 6, 2012

CC: D. Pettit, TRC Environmental Corporation

This memorandum details the results of the soil investigation program at the 246 River Road Site (the "Site", a.k.a. "River's End Park") in New Bedford, Massachusetts described in TRC's proposal to NSTAR dated December 1, 2010, and as modified based on subsequent correspondence with NSTAR.

Soil sample locations were located in the field by surveyors from the City of New Bedford via coordination with Beals & Thomas. TRC advanced ten (10) soil borings at the Site to depths of up to ten feet. Soil cores were visually screened in the field by a TRC geologist and results were recorded in soil boring logs.

Soil samples were screened in the field for the presence of volatile organic compounds (VOCs) using a photo-ionization detector and the Massachusetts Department of Environmental Protection (MassDEP) jar headspace method. Soil samples collected for VOC analysis were collected from a discrete depth using a disposable cut-off syringe. These samples were immediately and carefully placed (in a manner to minimize volatilization) into preserved vials upon collection, and then immediately placed on ice in a cooler.

Soil samples collected for the remaining analysis parameters were collected over the zero- to ten-foot depth interval (NS-1 through NS-8) or the zero- to eighteen-inch interval (NS-9A and NS-9B) and homogenized in stainless steel bowls. The homogenized samples were transferred to the appropriate containers with a stainless steel spoon and immediately placed on ice.

Two samples were submitted to Alpha for laboratory analysis of the parameters listed in 314 Code of Massachusetts Regulations (CMR) 9.07(2)(b)6. To meet the requirements of 314 CMR 9.07(2)(b)4., TRC collected two samples (NS-9A and NS-9B) from land seaward of the high tide line using a hand auger.

Eight soil samples were submitted to Alpha Analytical Laboratories (Alpha) for laboratory analysis solely in accordance with the MassDEP Policy #COMM-97-001: Reuse & Disposal of Contaminated Soil at Massachusetts Landfills. Together with the results from sample NS-9A and NS-9B, sample NS-9 represents a ninth sample analyzed for the COMM-97-001 suite of parameters.

Toxicity Characteristic Leaching Procedure (TCLP) analysis for lead was authorized for one sample (NS-5), because total lead analytical results indicated a concentration twenty times greater than the threshold stipulated in 310 CMR 30.125 Table 1 (i.e., the "twenty times rule").

A table summarizing the laboratory analytical results is included in Table 1. Results are compared to Massachusetts Contingency Plan (MCP) Reportable Concentrations, Massachusetts Soil Recycling Facility Summary Levels, and concentrations included in MassDEP Policy #COMM-97-001.

Laboratory data reports and a Data Usability Assessment are also attached. VOC samples included in the laboratory data package dated January 6, 2012 were inadvertently analyzed by the laboratory using low-level VOC analyses. This resulted in significant quality control issues for the VOC results associated with certain samples. Therefore, these samples required re-collection so that the proper high-level VOC analysis could be performed. High-level VOC results are included in the laboratory data package dated February 17, 2012.

Attachments:

Table 1 – Summary of Analytical Results for Soil Samples
Data Usability Assessment
Laboratory Data Packages

Summary of Analytical Results for Soil Samples -- November 2011 and February 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	RC S-1	RC S-2	Reuse Level* Lined Landfills	Reuse Level* Unlined Landfill	Soil Recycling Facility Summary Levels** Hot Mix Asphalt Plants	Soil Recycling Facility Summary Levels** Thermal Processing Plant	Soil Recycling Facility Summary Levels** Cold Mix Emulsion Plant	NS-1	NS-2	NS-3				NS-4		NS-5		
	Sample ID:								NS-1	NS-2	NS-3				NS-4		NS-5		
	Sample Depth (ft.)^:								0-10/2	0-10/6	0-10/2	0-10/2	2	2	0-10/3.5	3.5	0-10/2	2	0-10
	Sample Date:								11/22/2011	11/22/2011	11/22/2011	11/22/2011	2/2/2012	2/2/2012	11/22/2011	2/2/2012	11/22/2011	2/2/2012	2/21/2012
												Field Dup		Field Dup					
VOCs (mg/kg)	Methylene chloride	0.1	20	N/A	N/A	N/A	N/A	N/A	4.1 U	0.0061 U	NA	NA	0.63 U	0.66 U	NA	0.67 U	NA	1.2 U	NA
	1,1-Dichloroethane	0.4	5	N/A	N/A	N/A	N/A	N/A	0.62 U	0.00092 U	NA	NA	0.094 U	0.099 U	NA	0.10 U	NA	0.18 U	NA
	Chloroform	0.3	0.3	N/A	N/A	N/A	N/A	N/A	0.62 U	0.00092 U	NA	NA	0.094 U	0.099 U	NA	0.10 U	NA	0.18 U	NA
	Carbon tetrachloride	5	5	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	1,2-Dichloropropane	0.1	0.1	N/A	N/A	N/A	N/A	N/A	1.4 U	0.0021 U	NA	NA	0.22 U	0.23 U	NA	0.23 U	NA	0.42 U	NA
	Dibromochloromethane	0.005	0.03	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	1,1,2-Trichloroethane	0.1	2	N/A	N/A	N/A	N/A	N/A	0.62 U	0.00092 U	NA	NA	0.094 U	0.099 U	NA	0.10 U	NA	0.18 U	NA
	Tetrachloroethene	1	10	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	Chlorobenzene	1	3	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	Trichlorofluoromethane	1,000	10,000	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	1,2-Dichloroethane	0.1	0.1	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	1,1,1-Trichloroethane	30	600	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	Bromodichloromethane	0.1	0.1	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	trans-1,3-Dichloropropene	0.01(4)	0.4(4)	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	cis-1,3-Dichloropropene	0.01(4)	0.4(4)	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	1,1-Dichloropropene	0.01(3)	0.1(3)	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	Bromoform	0.1	1	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	1,1,2,2-Tetrachloroethane	0.005	0.02	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	Benzene	2	200	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	Toluene	30	1,000	N/A	N/A	N/A	N/A	N/A	0.62 U	0.00092 U	NA	NA	0.094 U	0.099 U	NA	0.10 U	NA	0.18 U	NA
	Ethylbenzene	40	1,000	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	Chloromethane	100	1,000	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	Bromomethane	0.5	0.5	N/A	N/A	N/A	N/A	N/A	0.82 U	0.0012 U	NA	NA	0.12 U	0.13 U	NA	0.13 U	NA	0.24 U	NA
	Vinyl chloride	0.6	0.7	N/A	N/A	N/A	N/A	N/A	0.82 U	0.0012 U	NA	NA	0.12 U	0.13 U	NA	0.13 U	NA	0.24 U	NA
	Chloroethane	100	1,000	N/A	N/A	N/A	N/A	N/A	0.82 U	0.0012 U	NA	NA	0.12 U	0.13 U	NA	0.13 U	NA	0.24 U	NA
	1,1-Dichloroethene	3	40	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	trans-1,2-Dichloroethene	1	1	N/A	N/A	N/A	N/A	N/A	0.62 U	0.00092 U	NA	NA	0.094 U	0.099 U	NA	0.10 U	NA	0.18 U	NA
	Trichloroethene	0.3	2	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	1,2-Dichlorobenzene	9	30	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	1,3-Dichlorobenzene	1	40	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	1,4-Dichlorobenzene	0.7	4	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	Methyl tert butyl ether	0.1	100	N/A	N/A	N/A	N/A	N/A	0.82 U	0.0012 U	NA	NA	0.12 U	0.13 U	NA	0.13 U	NA	0.24 U	NA
	p/m-Xylene	300	300	N/A	N/A	N/A	N/A	N/A	0.82 U	0.0012 U	NA	NA	0.12 U	0.13 U	NA	0.13 U	NA	0.24 U	NA
	o-Xylene	300	300	N/A	N/A	N/A	N/A	N/A	0.82 U	0.0012 U	NA	NA	0.12 U	0.13 U	NA	0.13 U	NA	0.24 U	NA
	cis-1,2-Dichloroethene	0.3	0.4	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	Dibromomethane	500	5,000	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	1,2,3-Trichloropropane	100	1,000	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	Styrene	3	4	N/A	N/A	N/A	N/A	N/A	0.82 U	0.0012 U	NA	NA	0.12 U	0.13 U	NA	0.13 U	NA	0.24 U	NA
	Dichlorodifluoromethane	1,000	10,000	N/A	N/A	N/A	N/A	N/A	4.1 U	0.0061 U	NA	NA	0.63 U	0.66 U	NA	0.67 U	NA	1.2 U	NA
	Acetone	6	50	N/A	N/A	N/A	N/A	N/A	15 U	**0.091**	NA	NA	2.2 U	2.4 U	NA	2.4 U	NA	4.3 U	NA
	Carbon disulfide	100	1,000	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	2-Butanone	4	50	N/A	N/A	N/A	N/A	N/A	4.1 U	**0.021**	NA	NA	0.63 U	0.66 U	NA	0.67 U	NA	1.2 U	NA
	4-Methyl-2-pentanone	0.4	50	N/A	N/A	N/A	N/A	N/A	4.1 U	0.0061 U	NA	NA	0.63 U	0.66 U	NA	0.67 U	NA	1.2 U	NA
	2-Hexanone	100	1,000	N/A	N/A	N/A	N/A	N/A	4.1 U	0.0061 U	NA	NA	0.63 U	0.66 U	NA	0.67 U	NA	1.2 U	NA
	Bromochloromethane	NS	NS	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	Tetrahydrofuran	500	5000	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	2,2-Dichloropropane	0.1(2)	0.2(2)	N/A	N/A	N/A	N/A	N/A	2.0 U	0.0030 U	NA	NA	0.31 U	0.33 U	NA	0.34 U	NA	0.59 U	NA
	1,2-Dibromoethane	0.1	0.1	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA

Summary of Analytical Results for Soil Samples -- November 2011 and February 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	RC S-1	RC S-2	Reuse Level* Lined Landfills	Reuse Level* Unlined Landfill	Soil Recycling Facility Summary Levels** Hot Mix Asphalt Plants	Soil Recycling Facility Summary Levels** Thermal Processing Plant	Soil Recycling Facility Summary Levels** Cold Mix Emulsion Plant	NS-1	NS-2	NS-3				NS-4		NS-5		
								Sample Depth (ft.)^:	0-10/2	0-10/6	0-10/2	0-10/2	2	2	0-10/3.5	3.5	0-10/2	2	0-10
								Sample Date:	11/22/2011	11/22/2011	11/22/2011	11/22/2011	2/2/2012	2/2/2012	11/22/2011	2/2/2012	11/22/2011	2/2/2012	2/21/2012
												Field Dup		Field Dup					
	1,3-Dichloropropane	500	5000	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	1,1,1,2-Tetrachloroethane	0.1	0.1	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	Bromobenzene	100	1,000	N/A	N/A	N/A	N/A	N/A	2.0 U	0.0030 U	NA	NA	0.31 U	0.33 U	NA	0.34 U	NA	0.59 U	NA
	n-Butylbenzene	100(1)	500(1)	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	sec-Butylbenzene	100(1)	500(1)	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	tert-Butylbenzene	100(1)	500(1)	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	o-Chlorotoluene	100	1,000	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	p-Chlorotoluene	100	1,000	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	1,2-Dibromo-3-chloropropane	10	100	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	Hexachlorobutadiene	6	90	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	Isopropylbenzene	1,000	10,000	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	p-Isopropyltoluene	100(1)	500(1)	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	Naphthalene	4	40	N/A	N/A	N/A	N/A	N/A	**42**	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	n-Propylbenzene	100	1,000	N/A	N/A	N/A	N/A	N/A	0.41 U	0.00061 U	NA	NA	0.063 U	0.066 U	NA	0.067 U	NA	0.12 U	NA
	1,2,3-Trichlorobenzene	NS	NS	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	1,2,4-Trichlorobenzene	2	70	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	1,3,5-Trimethylbenzene	10	100	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	1,2,4-Trimethylbenzene	1,000	10,000	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	Ethyl ether	100	1,000	N/A	N/A	N/A	N/A	N/A	2.0 U	0.0030 U	NA	NA	0.31 U	0.33 U	NA	0.34 U	NA	0.59 U	NA
	Isopropyl Ether	100	1,000	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	Ethyl-Tert-Butyl-Ether	NS	NS	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	Tertiary-Amyl Methyl Ether	NS	NS	N/A	N/A	N/A	N/A	N/A	1.6 U	0.0024 U	NA	NA	0.25 U	0.26 U	NA	0.27 U	NA	0.47 U	NA
	1,4-Dioxane	0.2	6	N/A	N/A	N/A	N/A	N/A	41 U	0.024 U	NA	NA	6.3 U	6.6 U	NA	6.7 U	NA	12 U	NA
	Acrylonitrile	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl acetate	1,000	10,000	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobutane	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,4-Dichloro-2-butene	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl methacrylate	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total VOCs	N/A	N/A	10	4	30 to 1,800			***42***	***0.112***	*NA*	*NA*	*ND*	*ND*	*NA*	*ND*	*NA*	*ND*	*NA*
EPH																			
(mg/kg)	C9-C18 Aliphatics	1,000	3,000	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C19-C36 Aliphatics	3,000	5,000	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C11-C22 Aromatics	1,000	3,000	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																			
(mg/kg)	Acenaphthene	4	3,000	N/A	N/A	N/A	N/A	N/A	**2.8**	0.28 U	0.28 U	0.28 U	NA	NA	0.28 U	NA	0.29 U	NA	NA
	1,2,4-Trichlorobenzene	2	70	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Hexachlorobenzene	0.7	5	N/A	N/A	N/A	N/A	N/A	0.22 U	0.21 U	0.21 U	0.21 U	NA	NA	0.21 U	NA	0.22 U	NA	NA
	Bis(2-chloroethyl)ether	0.7	0.7	N/A	N/A	N/A	N/A	N/A	0.33 U	0.31 U	0.32 U	0.32 U	NA	NA	0.32 U	NA	0.32 U	NA	NA
	2-Chloronaphthalene	1,000	10,000	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	1,2-Dichlorobenzene	9	30	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	1,3-Dichlorobenzene	1	40	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	1,4-Dichlorobenzene	0.7	4	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	3,3'-Dichlorobenzidine	1	10	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	2,4-Dinitrotoluene	0.7	10	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	2,6-Dinitrotoluene	100	1,000	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Azobenzene	50	500	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Fluoranthene	1,000	3,000	N/A	N/A	N/A	N/A	N/A	**23**	0.21 U	0.21 U	**0.21**	NA	NA	0.21 U	NA	0.22 U	NA	NA
	4-Bromophenyl phenyl ether	100	1,000	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Bis(2-chloroisopropyl)ether	0.7	0.7	N/A	N/A	N/A	N/A	N/A	0.44 U	0.41 U	0.43 U	0.43 U	NA	NA	0.42 U	NA	0.43 U	NA	NA

Summary of Analytical Results for Soil Samples -- November 2011 and February 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	RC S-1	RC S-2	Reuse Level* Lined Landfills	Reuse Level* Unlined Landfill	Soil Recycling Facility Summary Levels** Hot Mix Asphalt Plants	Soil Recycling Facility Summary Levels** Thermal Processing Plant	Soil Recycling Facility Summary Levels** Cold Mix Emulsion Plant	NS-1	NS-2	NS-3				NS-4		NS-5		
	Sample ID:								NS-1	NS-2	NS-3				NS-4		NS-5		
	Sample Depth (ft.)^:								0-10/2	0-10/6	0-10/2	0-10/2	2	2	0-10/3.5	3.5	0-10/2	2	0-10
	Sample Date:								11/22/2011	11/22/2011	11/22/2011	11/22/2011	2/2/2012	2/2/2012	11/22/2011	2/2/2012	11/22/2011	2/2/2012	2/21/2012
												Field Dup		Field Dup					
	Bis(2-chloroethoxy)methane	500	5,000	N/A	N/A	N/A	N/A	N/A	0.40 U	0.37 U	0.38 U	0.38 U	NA	NA	0.38 U	NA	0.39 U	NA	NA
	Hexachlorobutadiene	6	90	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Hexachloroethane	0.7	3	N/A	N/A	N/A	N/A	N/A	0.29 U	0.28 U	0.28 U	0.28 U	NA	NA	0.28 U	NA	0.29 U	NA	NA
	Isophorone	100	1,000	N/A	N/A	N/A	N/A	N/A	0.33 U	0.31 U	0.32 U	0.32 U	NA	NA	0.32 U	NA	0.32 U	NA	NA
	Naphthalene	4	40	N/A	N/A	N/A	N/A	N/A	**2.0**	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Nitrobenzene	500	5,000	N/A	N/A	N/A	N/A	N/A	0.33 U	0.31 U	0.32 U	0.32 U	NA	NA	0.32 U	NA	0.32 U	NA	NA
	Bis(2-Ethylhexyl)phthalate	200	700	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Butyl benzyl phthalate	100	1,000	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Di-n-butylphthalate	50	500	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Di-n-octylphthalate	1,000	10,000	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Diethyl phthalate	10	200	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Dimethyl phthalate	30	50	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Benzo(a)anthracene	7	40	N/A	N/A	N/A	N/A	N/A	**11**	0.21 U	0.21 U	0.21 U	NA	NA	0.21 U	NA	0.22 U	NA	NA
	Benzo(a)pyrene	2	4	N/A	N/A	N/A	N/A	N/A	**10**	0.28 U	0.28 U	0.28 U	NA	NA	0.28 U	NA	0.29 U	NA	NA
	Benzo(b)fluoranthene	7	40	N/A	N/A	N/A	N/A	N/A	**10**	0.21 U	0.21 U	0.21 U	NA	NA	0.21 U	NA	0.22 U	NA	NA
	Benzo(k)fluoranthene	70	400	N/A	N/A	N/A	N/A	N/A	**6.5**	0.21 U	0.21 U	0.21 U	NA	NA	0.21 U	NA	0.22 U	NA	NA
	Chrysene	70	400	N/A	N/A	N/A	N/A	N/A	**10**	0.21 U	0.21 U	0.21 U	NA	NA	0.21 U	NA	0.22 U	NA	NA
	Acenaphthylene	1	10	N/A	N/A	N/A	N/A	N/A	**1.4**	0.28 U	0.28 U	0.28 U	NA	NA	0.28 U	NA	0.29 U	NA	NA
	Anthracene	1,000	3,000	N/A	N/A	N/A	N/A	N/A	**8.1**	0.21 U	0.21 U	0.21 U	NA	NA	0.21 U	NA	0.22 U	NA	NA
	Benzo(ghi)perylene	1,000	3,000	N/A	N/A	N/A	N/A	N/A	**5.7**	0.28 U	0.28 U	0.28 U	NA	NA	0.28 U	NA	0.29 U	NA	NA
	Fluorene	1,000	3,000	N/A	N/A	N/A	N/A	N/A	**3.5**	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Phenanthrene	10	1,000	N/A	N/A	N/A	N/A	N/A	**21**	0.21 U	0.21 U	0.21 U	NA	NA	0.21 U	NA	0.22 U	NA	NA
	Dibenzo(a,h)anthracene	0.7	4	N/A	N/A	N/A	N/A	N/A	**2.0**	0.21 U	0.21 U	0.21 U	NA	NA	0.21 U	NA	0.22 U	NA	NA
	Indeno(1,2,3-cd)Pyrene	7	40	N/A	N/A	N/A	N/A	N/A	**5.4**	0.28 U	0.28 U	0.28 U	NA	NA	0.28 U	NA	0.29 U	NA	NA
	Pyrene	1,000	3,000	N/A	N/A	N/A	N/A	N/A	**19**	0.21 U	0.21 U	0.21 U	NA	NA	0.21 U	NA	0.22 U	NA	NA
	Aniline	1,000	10,000	N/A	N/A	N/A	N/A	N/A	0.44 U	0.41 U	0.43 U	0.43 U	NA	NA	0.42 U	NA	0.43 U	NA	NA
	4-Chloroaniline	1	3	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Dibenzofuran	100	1,000	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	2-Methylnaphthalene	0.7	80	N/A	N/A	N/A	N/A	N/A	**1.6**	0.41 U	0.43 U	0.43 U	NA	NA	0.42 U	NA	0.43 U	NA	NA
	Acetophenone	1,000	10,000	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	2,4,6-Trichlorophenol	0.7	20	N/A	N/A	N/A	N/A	N/A	0.22 U	0.21 U	0.21 U	0.21 U	NA	NA	0.21 U	NA	0.22 U	NA	NA
	2-Chlorophenol	0.7	100	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	2,4-Dichlorophenol	0.7	40	N/A	N/A	N/A	N/A	N/A	0.33 U	0.31 U	0.32 U	0.32 U	NA	NA	0.32 U	NA	0.32 U	NA	NA
	2,4-Dimethylphenol	0.7	100	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	2-Nitrophenol	100	1,000	N/A	N/A	N/A	N/A	N/A	0.79 U	0.74 U	0.77 U	0.77 U	NA	NA	0.76 U	NA	0.78 U	NA	NA
	4-Nitrophenol	100	1,000	N/A	N/A	N/A	N/A	N/A	0.51 U	0.48 U	0.50 U	0.50 U	NA	NA	0.49 U	NA	0.50 U	NA	NA
	2,4-Dinitrophenol	3	50	N/A	N/A	N/A	N/A	N/A	1.8 U	1.6 U	1.7 U	1.7 U	NA	NA	1.7 U	NA	1.7 U	NA	NA
	Pentachlorophenol	3	10	N/A	N/A	N/A	N/A	N/A	0.73 U	0.69 U	0.71 U	0.71 U	NA	NA	0.70 U	NA	0.72 U	NA	NA
	Phenol	1	20	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	2-Methylphenol	500	5,000	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	3-Methylphenol/4-Methylphenol	500	5,000	N/A	N/A	N/A	N/A	N/A	0.53 U	0.50 U	0.51 U	0.51 U	NA	NA	0.50 U	NA	0.52 U	NA	NA
	2,4,5-Trichlorophenol	4	600	N/A	N/A	N/A	N/A	N/A	0.37 U	0.34 U	0.36 U	0.36 U	NA	NA	0.35 U	NA	0.36 U	NA	NA
	Total SVOCs	N/A	N/A	100	100	N/A	N/A	N/A	***143***	*ND*	*ND*	***0.21***	*NA*	*NA*	*ND*	*NA*	*ND*	*NA*	*NA*
PCB Aroclors																			
(mg/kg)	Aroclor 1016	2	3	N/A	N/A	N/A	N/A	N/A	0.0362 U	0.0347 U	0.0355 U	0.0358 U	NA	NA	0.035 U	NA	0.0358 U	NA	NA
	Aroclor 1221	2	3	N/A	N/A	N/A	N/A	N/A	0.0362 U	0.0347 U	0.0355 U	0.0358 U	NA	NA	0.035 U	NA	0.0358 U	NA	NA
	Aroclor 1232	2	3	N/A	N/A	N/A	N/A	N/A	0.0362 U	0.0347 U	0.0355 U	0.0358 U	NA	NA	0.035 U	NA	0.0358 U	NA	NA
	Aroclor 1242	2	3	N/A	N/A	N/A	N/A	N/A	0.0362 U	0.0347 U	0.0355 U	0.0358 U	NA	NA	0.035 U	NA	0.0358 U	NA	NA
	Aroclor 1248	2	3	N/A	N/A	N/A	N/A	N/A	0.0362 U	0.0347 U	0.0355 U	0.0358 U	NA	NA	0.035 U	NA	0.0358 U	NA	NA

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Analysis	Analyte	RC S-1	RC S-2	Reuse Level* Lined Landfills	Reuse Level* Unlined Landfill	Soil Recycling Facility Summary Levels** Hot Mix Asphalt Plants	Soil Recycling Facility Summary Levels** Thermal Processing Plant	Soil Recycling Facility Summary Levels** Cold Mix Emulsion Plant	NS-1	NS-2	NS-3				NS-4		NS-5		
	Sample ID:								NS-1	NS-2	NS-3				NS-4		NS-5		
	Sample Depth (ft.)^:								0-10/2	0-10/6	0-10/2	0-10/2	2	2	0-10/3.5	3.5	0-10/2	2	0-10
	Sample Date:								11/22/2011	11/22/2011	11/22/2011	11/22/2011	2/2/2012	2/2/2012	11/22/2011	2/2/2012	11/22/2011	2/2/2012	2/21/2012
												Field Dup		Field Dup					
	Aroclor 1254	2	3	N/A	N/A	N/A	N/A	N/A	0.0362 U	0.0347 U	0.0355 U	0.0358 U	NA	NA	0.035 U	NA	0.0358 U	NA	NA
	Aroclor 1260	2	3	N/A	N/A	N/A	N/A	N/A	0.0362 U	0.0347 U	0.0355 U	0.0358 U	NA	NA	0.035 U	NA	0.0358 U	NA	NA
	Aroclor 1262	2	3	N/A	N/A	N/A	N/A	N/A	0.0362 U	0.0347 U	0.0355 U	0.0358 U	NA	NA	0.035 U	NA	0.0358 U	NA	NA
	Aroclor 1268	2	3	N/A	N/A	N/A	N/A	N/A	0.0362 U	0.0347 U	0.0355 U	0.0358 U	NA	NA	0.035 U	NA	0.0358 U	NA	NA
	Total PCBs	2	3	< 2	< 2	< 2	< 2	< 2	*ND*	*ND*	*ND*	*ND*	*NA*	*NA*	*ND*	*NA*	*ND*	*NA*	*NA*
PCB Congeners																			
(mg/kg)	Cl2-BZ#8~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl3-BZ#18~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl3-BZ#28~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl4-BZ#44~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl4-BZ#49	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl4-BZ#52~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl4-BZ#66~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl5-BZ#87	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl5-BZ#101~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl5-BZ#105~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl5-BZ#118~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl6-BZ#128~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl6-BZ#138~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl6-BZ#153~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl7-BZ#170~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl7-BZ#180~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl7-BZ#183	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl7-BZ#184	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl7-BZ#187~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl8-BZ#195~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl9-BZ#206~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cl10-BZ#209~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs [(*)]	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																			
(mg/kg)	TPH	1,000	3,000	5,000	2,500	5,000 to 60,000			**255**	35.6 U	**114**	**57.7**	NA	NA	35.2 U	NA	35.4 U	NA	NA
Metals, total																			
(mg/kg)	Arsenic	20	20	40	40	30	30	30	**1.53**	**1.21**	**1.61**	**1.57**	NA	NA	**1.38**	NA	**2.02**	NA	NA
	Barium	1,000	3,000	N/A	N/A	N/A	N/A	N/A	**73.4**	**19.4**	**48.7**	**52.6**	NA	NA	**24.4**	NA	**73.6**	NA	NA
	Cadmium	2	30	80	30	30	11	30	**0.0759**	**0.0407**	**0.0573**	**0.0723**	NA	NA	**0.0616**	NA	0.0312 U	NA	NA
	Chromium	30	200	1,000	1,000	500	500	500	**31.3**	**13.8**	**21.3**	**23.1**	NA	NA	**15.5**	NA	**20**	NA	NA
	Copper	1,000	10,000	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	2,000	1,000	1,000	1,000	1,000	**14.9**	**7.12**	**20.5**	**30.4**	NA	NA	**9.47**	NA	**283**	NA	NA
	Mercury	20	30	10	10	10	3	10	**0.014**	**0.013**	**0.040**	**0.023**	NA	NA	0.0050 U	NA	**0.019**	NA	NA
	Nickel	20	700	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	800	N/A	N/A	N/A	N/A	N/A	**0.145**	**0.13**	**0.195**	**0.185**	NA	NA	**0.166**	NA	**0.267**	NA	NA
	Silver	100	200	N/A	N/A	N/A	N/A	N/A	**0.051**	0.036 U	**0.047**	**0.044**	NA	NA	**0.037**	NA	**0.108**	NA	NA
	Zinc	2,500	3,000	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP																			
(mg/L)	Lead	N/A	N/A	5[(a)]	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.50 U
Total Organic Carbon																			
(%)	Total Organic Carbon (Rep1)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total Organic Carbon (Rep2)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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	Sample ID:								NS-1	NS-2	NS-3		NS-3		NS-4		NS-5		
	Sample Depth (ft.)^:								0-10/2	0-10/6	0-10/2	0-10/2	2	2	0-10/3.5	3.5	0-10/2	2	0-10
	Sample Date:								11/22/2011	11/22/2011	11/22/2011	11/22/2011	2/2/2012	2/2/2012	11/22/2011	2/2/2012	11/22/2011	2/2/2012	2/21/2012
General Chemistry																			
(umhos/cm)	Specific Conductance	N/A	N/A	8,000	4,000	N/A	N/A	N/A	**54**	**15**	**12**	**11**	NA	NA	10 U	NA	**17**	NA	NA
(s.u.)	pH	N/A	N/A	>2 <12.5	>2 <12.5	N/A	N/A	N/A	**8.3**	**7.4**	**7.1**	**7.3**	NA	NA	**6.7**	NA	**6.9**	NA	NA
(mg/kg)	Cyanide, Reactive	N/A	N/A	< 250	< 250	N/A	N/A	N/A	10 U	10 U	10 U	10 U	NA	NA	10 U	NA	10 U	NA	NA
(mg/kg)	Sulfide, Reactive	N/A	N/A	< 500	< 500	N/A	N/A	N/A	10 U	10 U	10 U	10 U	NA	NA	10 U	NA	10 U	NA	NA
	Ignitability	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NI	NI	NI	NI	NA	NA	NI	NA	NI	NA	NA
Grains																			
(%)	Cobbles	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	% Coarse Gravel	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	% Fine Gravel	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	% Coarse Sand	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	% Medium Sand	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	% Fine Sand	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	% Total Fines	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter.
s.u. - Standard unit.
umhos/cm - Micro-mhos per centimeter.
NA - Sample not analyzed for the listed analyte.
N/A - Not available/applicable.
ND - Not detected.
NS - No MassDEP RC exist for this analyte.
NI - Not ignitable.
R - Rejected data points due to internal standard recoveries <20%.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed one or more of the listed criteria.
VOCs - Volatile Organic Compounds.
EPH - Extractable Petroleum Hydrocarbons.
SVOCs - Semivolatile Organic Compounds.
PCBs - Polychlorinated Biphenyls.
RC - Reportable concentation.
TCLP - Toxicity Characteristic Leaching Procedure.
(+) - Total PCBs for congeners are estimated using NOAA method: Total = 2 x (sum of 18 NOAA summation congeners indicated with a ~);
For non-detect, half of the quantitation limit is used in the summation.
(-) - Total VOCs cannot be accurately determined due to rejected VOC data points.
* - Reuse and Disposal of Contaminated Soil at Massachusetts Landfills, Department of Environmental Protection Policy
# COMM-97-001, August 1997.
** - Massachusetts Soil Recycling Facility Summary Levels,
^ - Sample depth for other/VOCs analysis; otherwise the sample depth applies to all listed analyses.
(a) - EPA SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic.
(1) - MassDEP 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.

Summary of Analytical Results for Soil Samples -- November 2011 and February 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	RC S-1	RC S-2	Reuse Level* Lined Landfills	Reuse Level* Unlined Landfill	Soil Recycling Facility Summary Levels** Hot Mix Asphalt Plants	Soil Recycling Facility Summary Levels** Thermal Processing Plant	Soil Recycling Facility Summary Levels** Cold Mix Emulsion Plant	NS-6	NS-6	NS-7	NS-8	NS-9	NS-9	NS-9A	NS-9B
	Sample Depth (ft.)^:								0-8/1.5	1.5	0-10/2	0-10/2	0-1.5	0-1.5	0-1.5/0.5	0-1.5/0.5
	Sample Date:								11/22/2011	2/2/2012	11/22/2011	11/22/2011	11/22/2011	2/21/2012	11/22/2011	11/22/2011
VOCs																
(mg/kg)	Methylene chloride	0.1	20	N/A	N/A	N/A	N/A	N/A	NA	0.78 U	0.0080 U	0.0066 U	NA	NA	0.0060 U	0.0072 U
	1,1-Dichloroethane	0.4	5	N/A	N/A	N/A	N/A	N/A	NA	0.12 U	0.0012 U	0.00099 U	NA	NA	0.00091 U	0.0011 U
	Chloroform	0.3	0.3	N/A	N/A	N/A	N/A	N/A	NA	0.12 U	0.0012 U	0.00099 U	NA	NA	0.00091 U	0.0011 U
	Carbon tetrachloride	5	5	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	1,2-Dichloropropane	0.1	0.1	N/A	N/A	N/A	N/A	N/A	NA	0.27 U	0.0028 U	0.0023 U	NA	NA	0.0021 U	0.0025 U
	Dibromochloromethane	0.005	0.03	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	1,1,2-Trichloroethane	0.1	2	N/A	N/A	N/A	N/A	N/A	NA	0.12 U	0.0012 U	0.00099 U	NA	NA	0.00091 U	0.0011 U
	Tetrachloroethene	1	10	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	Chlorobenzene	1	3	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	Trichlorofluoromethane	1,000	10,000	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	1,2-Dichloroethane	0.1	0.1	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	1,1,1-Trichloroethane	30	600	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	Bromodichloromethane	0.1	0.1	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	trans-1,3-Dichloropropene	0.01(4)	0.4(4)	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	cis-1,3-Dichloropropene	0.01(4)	0.4(4)	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	1,1-Dichloropropene	0.01(3)	0.1(3)	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	Bromoform	0.1	1	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0024 U	0.0029 U
	1,1,2,2-Tetrachloroethane	0.005	0.02	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	Benzene	2	200	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	Toluene	30	1,000	N/A	N/A	N/A	N/A	N/A	NA	0.12 U	0.0012 U	0.00099 U	NA	NA	0.00091 U	0.0011 U
	Ethylbenzene	40	1,000	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	Chloromethane	100	1,000	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	Bromomethane	0.5	0.5	N/A	N/A	N/A	N/A	N/A	NA	0.16 U	0.0016 U	0.0013 U	NA	NA	0.0012 U	0.0014 U
	Vinyl chloride	0.6	0.7	N/A	N/A	N/A	N/A	N/A	NA	0.16 U	0.0016 U	0.0013 U	NA	NA	0.0012 U	0.0014 U
	Chloroethane	100	1,000	N/A	N/A	N/A	N/A	N/A	NA	0.16 U	0.0016 U	0.0013 U	NA	NA	0.0012 U	0.0014 U
	1,1-Dichloroethene	3	40	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	trans-1,2-Dichloroethene	1	1	N/A	N/A	N/A	N/A	N/A	NA	0.12 U	0.0012 U	0.00099 U	NA	NA	0.00091 U	0.0011 U
	Trichloroethene	0.3	2	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	**0.0046**	NA	NA	0.00060 U	0.00072 U
	1,2-Dichlorobenzene	9	30	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	1,3-Dichlorobenzene	1	40	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	1,4-Dichlorobenzene	0.7	4	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	Methyl tert butyl ether	0.1	100	N/A	N/A	N/A	N/A	N/A	NA	0.16 U	0.0016 U	0.0013 U	NA	NA	0.0012 U	0.0014 U
	p/m-Xylene	300	300	N/A	N/A	N/A	N/A	N/A	NA	0.16 U	0.0016 U	0.0013 U	NA	NA	0.0012 U	0.0014 U
	o-Xylene	300	300	N/A	N/A	N/A	N/A	N/A	NA	0.16 U	0.0016 U	0.0013 U	NA	NA	0.0012 U	0.0014 U
	cis-1,2-Dichloroethene	0.3	0.4	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	**0.0011**	NA	NA	0.00060 U	0.00072 U
	Dibromomethane	500	5,000	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0060 U	0.0072 U
	1,2,3-Trichloropropane	100	1,000	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0060 U	0.0072 U
	Styrene	3	4	N/A	N/A	N/A	N/A	N/A	NA	0.16 U	0.0016 U	0.0013 U	NA	NA	0.0012 U	0.0014 U
	Dichlorodifluoromethane	1,000	10,000	N/A	N/A	N/A	N/A	N/A	NA	0.78 U	0.0080 U	0.0066 U	NA	NA	0.0060 U	0.0072 U
	Acetone	6	50	N/A	N/A	N/A	N/A	N/A	NA	2.8 U	0.029 U	0.024 U	NA	NA	0.022 U	0.026 U
	Carbon disulfide	100	1,000	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0060 U	0.0072 U
	2-Butanone	4	50	N/A	N/A	N/A	N/A	N/A	NA	0.78 U	0.0080 U	0.0066 U	NA	NA	0.0060 U	0.0072 U
	4-Methyl-2-pentanone	0.4	50	N/A	N/A	N/A	N/A	N/A	NA	0.78 U	0.0080 U	0.0066 U	NA	NA	0.0060 U	0.0072 U
	2-Hexanone	100	1,000	N/A	N/A	N/A	N/A	N/A	NA	0.78 U	0.0080 U	0.0066 U	NA	NA	0.0060 U	0.0072 U
	Bromochloromethane	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	Tetrahydrofuran	500	5000	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0120 U	0.0140 U
	2,2-Dichloropropane	0.1(2)	0.2(2)	N/A	N/A	N/A	N/A	N/A	NA	0.39 U	0.0040 U	0.0033 U	NA	NA	0.0030 U	0.0036 U
	1,2-Dibromoethane	0.1	0.1	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0024 U	0.0029 U

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246 River Road
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Analysis	Analyte	RC S-1	RC S-2	Reuse Level* Lined Landfills	Reuse Level* Unlined Landfill	Soil Recycling Facility Summary Levels** Hot Mix Asphalt Plants	Soil Recycling Facility Summary Levels** Thermal Processing Plant	Soil Recycling Facility Summary Levels** Cold Mix Emulsion Plant	NS-6	NS-6	NS-7	NS-8	NS-9	NS-9	NS-9A	NS-9B
	Sample Depth (ft.)^:								0-8/1.5	1.5	0-10/2	0-10/2	0-1.5	0-1.5	0-1.5/0.5	0-1.5/0.5
	Sample Date:								11/22/2011	2/2/2012	11/22/2011	11/22/2011	11/22/2011	2/21/2012	11/22/2011	11/22/2011
	1,3-Dichloropropane	500	5000	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	1,1,1,2-Tetrachloroethane	0.1	0.1	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	Bromobenzene	100	1,000	N/A	N/A	N/A	N/A	N/A	NA	0.39 U	0.0040 U	0.0033 U	NA	NA	0.0030 U	0.0036 U
	n-Butylbenzene	100(1)	500(1)	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	sec-Butylbenzene	100(1)	500(1)	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	tert-Butylbenzene	100(1)	500(1)	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	o-Chlorotoluene	100	1,000	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	p-Chlorotoluene	100	1,000	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	1,2-Dibromo-3-chloropropane	10	100	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	Hexachlorobutadiene	6	90	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	Isopropylbenzene	1,000	10,000	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	p-Isopropyltoluene	100(1)	500(1)	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	Naphthalene	4	40	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	n-Propylbenzene	100	1,000	N/A	N/A	N/A	N/A	N/A	NA	0.078 U	0.00080 U	0.00066 U	NA	NA	0.00060 U	0.00072 U
	1,2,3-Trichlorobenzene	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	1,2,4-Trichlorobenzene	2	70	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	1,3,5-Trimethylbenzene	10	100	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	1,2,4-Trimethylbenzene	1,000	10,000	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	0.0030 U	0.0036 U
	Ethyl ether	100	1,000	N/A	N/A	N/A	N/A	N/A	NA	0.39 U	0.0040 U	0.0033 U	NA	NA	0.0030 U	0.0036 U
	Isopropyl Ether	100	1,000	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	NA	0.0072 U
	Ethyl-Tert-Butyl-Ether	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	NA	0.0036 U
	Tertiary-Amyl Methyl Ether	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	0.31 U	0.0032 U	0.0026 U	NA	NA	NA	0.0036 U
	1,4-Dioxane	0.2	6	N/A	N/A	N/A	N/A	N/A	NA	7.8 U	0.032 U	0.026 U	NA	NA	NA	0.0072 U
	Acrylonitrile	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	0.0024 U	0.0029 U
	Vinyl acetate	1,000	10,000	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	0.0060 U	0.0072 U
	1,4-Dichlorobutane	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	0.0060 U	0.0072 U
	trans-1,4-Dichloro-2-butene	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	0.0030 U	0.0036 U
	Ethyl methacrylate	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	0.0060 U	0.0072 U
	Total VOCs	N/A	N/A	10	4	30 to 1,800			*NA*	*ND*	*ND*	***0.006***	*NA*	*NA*	*ND*	*ND*
EPH																
(mg/kg)	C9-C18 Aliphatics	1,000	3,000	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	7.54 U	8.42 U
	C19-C36 Aliphatics	3,000	5,000	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	7.54 U	8.42 U
	C11-C22 Aromatics	1,000	3,000	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**9.42**	**11.0**
SVOCs																
(mg/kg)	Acenaphthene	4	3,000	N/A	N/A	N/A	N/A	N/A	0.29 U	NA	0.31 U	0.29 U	0.32 U	NA	**0.0137**	**0.0208**
	1,2,4-Trichlorobenzene	2	70	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	Hexachlorobenzene	0.7	5	N/A	N/A	N/A	N/A	N/A	0.22 U	NA	0.23 U	0.22 U	0.24 U	NA	NA	NA
	Bis(2-chloroethyl)ether	0.7	0.7	N/A	N/A	N/A	N/A	N/A	0.33 U	NA	0.35 U	0.32 U	0.36 U	NA	NA	NA
	2-Chloronaphthalene	1,000	10,000	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	1,2-Dichlorobenzene	9	30	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	1,3-Dichlorobenzene	1	40	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	1,4-Dichlorobenzene	0.7	4	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	3,3'-Dichlorobenzidine	1	10	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	2,4-Dinitrotoluene	0.7	10	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	2,6-Dinitrotoluene	100	1,000	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	Azobenzene	50	500	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	Fluoranthene	1,000	3,000	N/A	N/A	N/A	N/A	N/A	0.22 U	NA	0.23 U	0.22 U	0.24 U	NA	**1.2**	**1.43**
	4-Bromophenyl phenyl ether	100	1,000	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	Bis(2-chloroisopropyl)ether	0.7	0.7	N/A	N/A	N/A	N/A	N/A	0.44 U	NA	0.46 U	0.43 U	0.48 U	NA	NA	NA

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Analysis	Analyte	RC S-1	RC S-2	Reuse Level* Lined Landfills	Reuse Level* Unlined Landfill	Soil Recycling Facility Summary Levels** Hot Mix Asphalt Plants	Soil Recycling Facility Summary Levels** Thermal Processing Plant	Soil Recycling Facility Summary Levels** Cold Mix Emulsion Plant	NS-6	NS-6	NS-7	NS-8	NS-9	NS-9	NS-9A	NS-9B
	Sample Depth (ft.)^:								0-8/1.5	1.5	0-10/2	0-10/2	0-1.5	0-1.5	0-1.5/0.5	0-1.5/0.5
	Sample Date:								11/22/2011	2/2/2012	11/22/2011	11/22/2011	11/22/2011	2/21/2012	11/22/2011	11/22/2011
	Bis(2-chloroethoxy)methane	500	5,000	N/A	N/A	N/A	N/A	N/A	0.40 U	NA	0.42 U	0.39 U	0.43 U	NA	NA	NA
	Hexachlorobutadiene	6	90	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	Hexachloroethane	0.7	3	N/A	N/A	N/A	N/A	N/A	0.29 U	NA	0.31 U	0.29 U	0.32 U	NA	NA	NA
	Isophorone	100	1,000	N/A	N/A	N/A	N/A	N/A	0.33 U	NA	0.35 U	0.32 U	0.36 U	NA	NA	NA
	Naphthalene	4	40	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	0.00882 U	0.0191 U
	Nitrobenzene	500	5,000	N/A	N/A	N/A	N/A	N/A	0.33 U	NA	0.35 U	0.32 U	0.36 U	NA	NA	NA
	Bis(2-Ethylhexyl)phthalate	200	700	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	Butyl benzyl phthalate	100	1,000	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	Di-n-butylphthalate	50	500	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	Di-n-octylphthalate	1,000	10,000	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	Diethyl phthalate	10	200	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	Dimethyl phthalate	30	50	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	Benzo(a)anthracene	7	40	N/A	N/A	N/A	N/A	N/A	0.22 U	NA	0.23 U	0.22 U	0.24 U	NA	**0.556**	**0.618**
	Benzo(a)pyrene	2	4	N/A	N/A	N/A	N/A	N/A	0.29 U	NA	0.31 U	0.29 U	0.32 U	NA	**0.656**	**0.663**
	Benzo(b)fluoranthene	7	40	N/A	N/A	N/A	N/A	N/A	0.22 U	NA	0.23 U	0.22 U	0.24 U	NA	**0.75**	**0.797**
	Benzo(k)fluoranthene	70	400	N/A	N/A	N/A	N/A	N/A	0.22 U	NA	0.23 U	0.22 U	0.24 U	NA	**0.556**	**0.669**
	Chrysene	70	400	N/A	N/A	N/A	N/A	N/A	0.22 U	NA	0.23 U	0.22 U	0.24 U	NA	**0.682**	**0.762**
	Acenaphthylene	1	10	N/A	N/A	N/A	N/A	N/A	0.29 U	NA	0.31 U	0.29 U	0.32 U	NA	**0.0114**	0.0191 U
	Anthracene	1,000	3,000	N/A	N/A	N/A	N/A	N/A	0.22 U	NA	0.23 U	0.22 U	0.24 U	NA	**0.058**	**0.0764**
	Benzo(ghi)perylene	1,000	3,000	N/A	N/A	N/A	N/A	N/A	0.29 U	NA	0.31 U	0.29 U	0.32 U	NA	**0.452**	**0.505**
	Fluorene	1,000	3,000	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	**0.0192**	**0.0293**
	Phenanthrene	10	1,000	N/A	N/A	N/A	N/A	N/A	0.22 U	NA	0.23 U	0.22 U	0.24 U	NA	**0.383**	**0.504**
	Dibenzo(a,h)anthracene	0.7	4	N/A	N/A	N/A	N/A	N/A	0.22 U	NA	0.23 U	0.22 U	0.24 U	NA	**0.112**	**0.132**
	Indeno(1,2,3-cd)Pyrene	7	40	N/A	N/A	N/A	N/A	N/A	0.29 U	NA	0.31 U	0.29 U	0.32 U	NA	**0.513**	**0.614**
	Pyrene	1,000	3,000	N/A	N/A	N/A	N/A	N/A	0.22 U	NA	0.23 U	0.22 U	0.24 U	NA	**0.96**	**1.11**
	Aniline	1,000	10,000	N/A	N/A	N/A	N/A	N/A	0.44 U	NA	0.46 U	0.43 U	0.48 U	NA	NA	NA
	4-Chloroaniline	1	3	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	Dibenzofuran	100	1,000	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	2-Methylnaphthalene	0.7	80	N/A	N/A	N/A	N/A	N/A	0.44 U	NA	0.46 U	0.43 U	0.48 U	NA	NA	NA
	Acetophenone	1,000	10,000	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	2,4,6-Trichlorophenol	0.7	20	N/A	N/A	N/A	N/A	N/A	0.22 U	NA	0.23 U	0.22 U	0.24 U	NA	NA	NA
	2-Chlorophenol	0.7	100	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	2,4-Dichlorophenol	0.7	40	N/A	N/A	N/A	N/A	N/A	0.33 U	NA	0.35 U	0.32 U	0.36 U	NA	NA	NA
	2,4-Dimethylphenol	0.7	100	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	2-Nitrophenol	100	1,000	N/A	N/A	N/A	N/A	N/A	0.80 U	NA	0.84 U	0.78 U	0.86 U	NA	NA	NA
	4-Nitrophenol	100	1,000	N/A	N/A	N/A	N/A	N/A	0.52 U	NA	0.54 U	0.51 U	0.56 U	NA	NA	NA
	2,4-Dinitrophenol	3	50	N/A	N/A	N/A	N/A	N/A	1.8 U	NA	1.8 U	1.7 U	1.9 U	NA	NA	NA
	Pentachlorophenol	3	10	N/A	N/A	N/A	N/A	N/A	0.74 U	NA	0.77 U	0.72 U	0.79 U	NA	NA	NA
	Phenol	1	20	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	2-Methylphenol	500	5,000	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	3-Methylphenol/4-Methylphenol	500	5,000	N/A	N/A	N/A	N/A	N/A	0.53 U	NA	0.56 U	0.52 U	0.57 U	NA	NA	NA
	2,4,5-Trichlorophenol	4	600	N/A	N/A	N/A	N/A	N/A	0.37 U	NA	0.39 U	0.36 U	0.40 U	NA	NA	NA
	Total SVOCs	N/A	N/A	100	100	N/A	N/A	N/A	*ND*	*NA*	*ND*	*ND*	*ND*	*NA*	*NA*	*NA*
PCB Aroclors																
(mg/kg)	Aroclor 1016	2	3	N/A	N/A	N/A	N/A	N/A	0.0368 U	NA	0.0382 U	0.0366 U	NA	NA	NA	NA
	Aroclor 1221	2	3	N/A	N/A	N/A	N/A	N/A	0.0368 U	NA	0.0382 U	0.0366 U	NA	NA	NA	NA
	Aroclor 1232	2	3	N/A	N/A	N/A	N/A	N/A	0.0368 U	NA	0.0382 U	0.0366 U	NA	NA	NA	NA
	Aroclor 1242	2	3	N/A	N/A	N/A	N/A	N/A	**0.041**	NA	0.0382 U	0.0366 U	NA	NA	NA	NA
	Aroclor 1248	2	3	N/A	N/A	N/A	N/A	N/A	0.0368 U	NA	0.0382 U	0.0366 U	NA	NA	NA	NA

Summary of Analytical Results for Soil Samples -- November 2011 and February 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	RC S-1	RC S-2	Reuse Level* Lined Landfills	Reuse Level* Unlined Landfill	Soil Recycling Facility Summary Levels** Hot Mix Asphalt Plants	Soil Recycling Facility Summary Levels** Thermal Processing Plant	Soil Recycling Facility Summary Levels** Cold Mix Emulsion Plant	NS-6 0-8/1.5 11/22/2011	NS-6 1.5 2/2/2012	NS-7 0-10/2 11/22/2011	NS-8 0-10/2 11/22/2011	NS-9 0-1.5 11/22/2011	NS-9 0-1.5 2/21/2012	NS-9A 0-1.5/0.5 11/22/2011	NS-9B 0-1.5/0.5 11/22/2011
	Aroclor 1254	2	3	N/A	N/A	N/A	N/A	N/A	**0.0649**	NA	0.0382 U	0.0366 U	NA	NA	NA	NA
	Aroclor 1260	2	3	N/A	N/A	N/A	N/A	N/A	0.0368 U	NA	0.0382 U	0.0366 U	NA	NA	NA	NA
	Aroclor 1262	2	3	N/A	N/A	N/A	N/A	N/A	0.0368 U	NA	0.0382 U	0.0366 U	NA	NA	NA	NA
	Aroclor 1268	2	3	N/A	N/A	N/A	N/A	N/A	0.0368 U	NA	0.0382 U	0.0366 U	NA	NA	NA	NA
	Total PCBs	2	3	< 2	< 2	< 2	< 2	< 2	***0.1059***	*NA*	*ND*	*ND*	*NA*	*NA*	*NA*	*NA*
PCB Congeners																
(mg/kg)	Cl2-BZ#8~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.00245**	**0.0101**
	Cl3-BZ#18~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.00944**	**0.0402**
	Cl3-BZ#28~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.0238**	**0.134**
	Cl4-BZ#44~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.0173**	**0.066**
	Cl4-BZ#49	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.0522**	**0.193**
	Cl4-BZ#52~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.0625**	**0.218**
	Cl4-BZ#66~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.00964**	**0.0414**
	Cl5-BZ#87	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.00532**	**0.0166**
	Cl5-BZ#101~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.0241**	**0.101**
	Cl5-BZ#105~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.00292**	**0.0127**
	Cl5-BZ#118~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.0167**	**0.0752**
	Cl6-BZ#128~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.00396**	**0.0170**
	Cl6-BZ#138~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.0189**	**0.0672**
	Cl6-BZ#153~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.0163**	**0.0828**
	Cl7-BZ#170~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.00247**	**0.0118**
	Cl7-BZ#180~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.00301**	**0.0147**
	Cl7-BZ#183	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	0.000882 U	**0.00488**
	Cl7-BZ#184	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	0.000882 U	0.00191 U
	Cl7-BZ#187~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.00254**	**0.0147**
	Cl8-BZ#195~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	0.000882 U	**0.00275**
	Cl9-BZ#206~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	0.000882 U	**0.0037**
	Cl10-BZ#209~	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	0.000882 U	**0.00253**
	Total PCBs [(*)]	NS	NS	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	***0.43206***	***1.8316***
Total Petroleum Hydrocarbons																
(mg/kg)	TPH	1,000	3,000	5,000	2,500	5,000 to 60,000			37.1 U	NA	37.5 U	36.9 U	NA	**53.1**	NA	NA
Metals, total																
(mg/kg)	Arsenic	20	20	40	40	30	30	30	**1.45**	NA	**3.27**	**1.69**	NA	NA	**1.06**	**1.88**
	Barium	1,000	3,000	N/A	N/A	N/A	N/A	N/A	**75.9**	NA	**176**	**44.2**	**9.09**	NA	NA	NA
	Cadmium	2	30	80	30	30	11	30	**0.2431**	NA	**0.2983**	**0.2217**	NA	NA	**0.051**	**0.043**
	Chromium	30	200	1,000	1,000	500	500	500	**24.8**	NA	**25.2**	**12**	NA	NA	**29.6**	**32.6**
	Copper	1,000	10,000	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**16.7**	**19.8**
	Lead	300	300	2,000	1,000	1,000	1,000	1,000	**28.9**	NA	**81.7**	**56.4**	NA	NA	**12.6**	**20.6**
	Mercury	20	30	10	10	10	3	10	**0.021**	NA	**0.055**	**0.053**	NA	NA	0.014 U	0.0160 U
	Nickel	20	700	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**16.6**	**16.6**
	Selenium	400	800	N/A	N/A	N/A	N/A	N/A	**0.151**	NA	**0.347**	**0.294**	**0.253**	NA	NA	NA
	Silver	100	200	N/A	N/A	N/A	N/A	N/A	**0.047**	NA	**0.101**	**0.044**	0.036 U	NA	NA	NA
	Zinc	2,500	3,000	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**46.1**	**66.4**
Metals, TCLP																
(mg/L)	Lead	N/A	N/A	5[(a)]	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon																
(%)	Total Organic Carbon (Rep1)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.384**	**0.815**
	Total Organic Carbon (Rep2)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**0.424**	**0.757**

Summary of Analytical Results for Soil Samples -- November 2011 and February 2012
246 River Road
New Bedford, Massachusetts

Analysis	Analyte	RC S-1	RC S-2	Reuse Level* Lined Landfills	Reuse Level* Unlined Landfill	Soil Recycling Facility Summary Levels** Hot Mix Asphalt Plants	Soil Recycling Facility Summary Levels** Thermal Processing Plant	Soil Recycling Facility Summary Levels** Cold Mix Emulsion Plant	NS-6	NS-6	NS-7	NS-8	NS-9	NS-9	NS-9A	NS-9B
	Sample Depth (ft.)^:								0-8/1.5	1.5	0-10/2	0-10/2	0-1.5	0-1.5	0-1.5/0.5	0-1.5/0.5
	Sample Date:								11/22/2011	2/2/2012	11/22/2011	11/22/2011	11/22/2011	2/21/2012	11/22/2011	11/22/2011
General Chemistry																
(umhos/cm)	Specific Conductance	N/A	N/A	8,000	4,000	N/A	N/A	N/A	**12**	NA	**54**	**68**	**240**	NA	NA	NA
(s.u.)	pH	N/A	N/A	>2 <12.5	>2 <12.5	N/A	N/A	N/A	**7.0**	NA	**7.5**	**7.1**	**7.1**	NA	NA	NA
(mg/kg)	Cyanide, Reactive	N/A	N/A	< 250	< 250	N/A	N/A	N/A	10 U	NA	10 U	10 U	10 U	NA	NA	NA
(mg/kg)	Sulfide, Reactive	N/A	N/A	< 500	< 500	N/A	N/A	N/A	10 U	NA	10 U	10 U	10 U	NA	NA	NA
	Ignitability	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NI	NA	NI	NI	NI	NA	NA	NA
Grains																
(%)	Cobbles	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	0.10 U	0.10 U
	% Coarse Gravel	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**50.4**	**54.5**
	% Fine Gravel	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**37.4**	**32.1**
	% Coarse Sand	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**2.97**	**4.08**
	% Medium Sand	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**3.82**	**4.55**
	% Fine Sand	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**3.67**	**3.81**
	% Total Fines	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NA	NA	NA	NA	NA	NA	**1.67**	**0.95**

Notes:

mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter.
s.u. - Standard unit.
umhos/cm - Micro-mhos per centimeter.
NA - Sample not analyzed for the listed analyte.
N/A - Not available/applicable.
ND - Not detected.
NS - No MassDEP RC exist for this analyte.
NI - Not ignitable.
R - Rejected data points due to internal standard recoveries <20%.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed one or more of the listed criteria.
VOCs - Volatile Organic Compounds.
EPH - Extractable Petroleum Hydrocarbons.
SVOCs - Semivolatile Organic Compounds.
PCBs - Polychlorinated Biphenyls.
RC - Reportable concentation.
TCLP - Toxicity Characteristic Leaching Procedure.
(+) - Total PCBs for congeners are estimated using NOAA method: Total = 2 x (sum of 18 NOAA summation congeners indicated with a ~);
For non-detect, half of the quantitation limit is used in the summation.
(-) - Total VOCs cannot be accurately determined due to rejected VOC data points.
* - Reuse and Disposal of Contaminated Soil at Massachusetts Landfills, Department of Environmental Protection Policy
# COMM-97-001, August 1997.
** - Massachusetts Soil Recycling Facility Summary Levels,
^ - Sample depth for other/VOCs analysis; otherwise the sample depth applies to all listed analyses.
(a) - EPA SW-846 Chapter 7, Table 7-1, Maximum Concentration of Contaminants for Toxicity Characteristic.
(1) - MassDEP 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.

Data Usability Assessment

246 River Road
New Bedford, MA
Prepared: February 20, 2012

A. Overall Summary

The data associated with soil samples collected on November 22, 2011, February 2 and 21, 2012 were reviewed. In general, data are usable for MCP decisions based on a review of accuracy, precision, and sensitivity of the data. Although there were select quality control (QC) nonconformances, the data are valid as reported and may be used for decision-making purposes with no cautions or limitations.

Soil Samples Included in the Data Usability Assessment:

NS-1/0-10, NS-2/0-10, NS-3/0-10, NS-4/0-10, NS-5/0-10, NS-6/0-8, NS-7/0-10, NS-8/0-10, NS-9/0-1.5, NS-9A/0-1.5, NS-9B/0-1.5

NOTE: Samples NS-3/2, NS-4/3.5, NS-5/2, NS-6/1.5 and NS-10/2 were originally collected for VOCs in November 2011 using low-level protocols (deionized water preservation). The results of these low-level VOC analyses exhibited significant internal standard nonconformances, resulting in the rejection of many VOC results. These samples were recollected for VOCs on February 2, 2012 using the high-level protocols (methanol preservation) which were adequate to achieve the project action levels. Only the VOC results from the February 2, 2012 event are being utilized as there were no significant QC issues with these analyses; therefore, the VOC results from the November 2011 event were not included in this data usability assessment.

Field Duplicates: NS-3/0-10 (SVOCs, PCB Aroclors, TPH, metals, ignitability, specific conductance, pH, reactivity)

MS/MSDs or MS/DUPs: NS-9A/0-1.5 (metals), NS-5/0-10 (TCLP lead)

Soil Analyses Performed: VOCs, SVOCs, PAHs, TPH, EPH, PCB congeners, PCB Aroclors, metals, TCLP lead, ignitability, TOC, specific conductance, pH, reactivity, grain size

B. Sensitivity Evaluation

Sensitivity was acceptable for all analyses of soil samples (i.e., quantitation limits [QLs] for all nondetect results were below the applicable MassDEP Reuse Levels and Massachusetts Soil Recycling Facility Levels).

C. Evaluation of Accuracy and Precision

There were no biases or uncertainty associated with the PAH, PCB congener, TPH, EPH, PCB Aroclor, metals, TCLP lead, ignitability, TOC, specific conductance, pH and grain size analyses of soil samples. Biases associated with the VOC, SVOC, and reactivity analyses of the soil samples are discussed below.

C-1. Low-Biased Results

Potential low bias exists for select results due to various QC nonconformances. In general, the overall data usability and decision-making process were not affected by these QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for Low Bias	Reason Data Usability or Decision-making Process Not Affected
NS-1/0-10, NS-2/0-10, NS-3/0-10, NS-4/0-10, NS-5/0-10, NS-6/0-8, NS-7/0-10, NS-8/0-10, NS-9/0-1.5, NS-10/0-10	Aniline, 2,4-dinitrophenol	Low recoveries in LCS Duplicate	Nondetect results for affected analytes significantly below project action levels in affected samples.
NS-1/0-10, NS-2/0-10, NS-3/0-10, NS-4/0-10, NS-5/0-10, NS-6/0-8, NS-7/0-10, NS-8/0-10, NS-9/0-1.5, NS-10/0-10	Reactive sulfide, reactive cyanide	Holding time exceedance	Nondetect results for affected analytes significantly below project action levels in affected samples.
NS-2/6, NS-7/2, NS-8/2	Dichlorodifluoromethane	Low recoveries in LCS and LCS Duplicate	Nondetect results for dichlorodifluoromethane significantly below project action levels in affected samples.

C-2. High-Biased Results

Potential high bias exists for select results due to various QC nonconformances. In general, the overall data usability and decision-making process were not affected by these QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for High Bias	Reason Data Usability or Decision-making Process Not Affected
NS-1/2, NS-2/6, NS-7/2, NS-8/2	Trichlorofluoromethane, chloroethane	High recoveries in LCS and/or LCS Duplicate	Affected VOCs not detected in affected samples.
NS-3/2, NS-4/34.5, NS-5/2, NS-6/1.5, NS-10/2	Bromomethane	High recovery in LCS	Bromomethane not detected in affected samples.

C-3. Potential Uncertainty

Potential uncertainty exists for select results due to various QC nonconformances. In general, the overall data usability and decision-making process were not affected by these QC nonconformances, as shown in the table below.

Samples Affected	Analytes Affected	Reason for Uncertainty	Reason Data Usability or Decision-making Process Not Affected
NS-1/0-10, NS-2/0-10, NS-3/0-10, NS-4/0-10, NS-5/0-10, NS-6/0-8, NS-7/0-10, NS-8/0-10, NS-9/0-1.5, NS-10/0-10	2,4-Dinitrophenol	LCS/LCS Duplicate variability	Nondetect results for 2,4-dinitrophenol significantly below project action levels in affected samples.
NS-7/2, NS-8/2	Select VOCs	Low internal standard recoveries	Nondetect results for affected VOCs significantly below project action levels.

ANALYTICAL REPORT

Lab Number:	L1119650
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	David Pettit
Phone:	(978) 656-3682
Project Name:	RIVER ROAD
Project Number:	181437
Report Date:	01/06/12

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1119650-01	NS-9A 0-1.5 (VOC 0.5')	NEW BEDFORD, MA	11/22/11 10:00
L1119650-02	NS-9B 0-1.5 (VOC 0.5')	NEW BEDFORD, MA	11/22/11 10:15
L1119650-03	NS-9 0.15	NEW BEDFORD, MA	11/22/11 10:15
L1119650-04	NS-7 0-10' (VOC 2')	NEW BEDFORD, MA	11/22/11 10:55
L1119650-05	NS-8 0-10' (VOC 2')	NEW BEDFORD, MA	11/22/11 11:20
L1119650-06	NS-5 0-10' (VOC 2')	NEW BEDFORD, MA	11/22/11 12:00
L1119650-07	NS-6 0-8' (VOC 1.5')	NEW BEDFORD, MA	11/22/11 13:08
L1119650-08	NS-3 0-10' (VOC 1.5')	NEW BEDFORD, MA	11/22/11 13:50
L1119650-09	NS-4 0-10' (VOC 3.5')	NEW BEDFORD, MA	11/22/11 14:30
L1119650-10	NS-1 0-10' (VOC 2')	NEW BEDFORD, MA	11/22/11 15:20
L1119650-11	NS-2 0-10' (VOC 6')	NEW BEDFORD, MA	11/22/11 16:00
L1119650-12	NS-10 0-10' (VOC 2')	NEW BEDFORD, MA	11/22/11 14:00
L1119650-13	TRIP BLANK	NEW BEDFORD, MA	11/22/11 00:00

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	NO
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	YES
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Report Submission

This report replaces the report issued on December 15, 2011. The Volatile Organics narrative has been amended, and an LCS is now reported for pH analysis of L1119650-04 through -12.

MCP Related Narratives

Report Submission

In reference to question B:

At the client's request, the analytical methods specified in the CAM protocol were not followed for samples "NS-9A 0-1.5 (VOC 0.5')" and "NS-9B 0-1.5 (VOC 0.5')" in order to meet 401 Water Quality Standards.

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Project Number: 181437 **Report Date:** 01/06/12

Case Narrative (continued)

Volatile Organics

L1119650-10 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

In reference to question G:

L1119650-10: All of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

L1119650-04: The internal standard (IS) responses for Chlorobenzene-d5 (45%) and 1,4-Dichlorobenzene-d4 (25%) and the surrogate recovery for 1,2-Dichloroethane-d4 (133%) were outside the acceptance criteria; however, re-analysis achieved similar results internal standard (IS) responses for Chlorobenzene-d5 (45%) and 1,4-Dichlorobenzene-d4 (27%) and a high surrogate recovery for 1,2-Dichloroethane-d4 (133%). The results of both analyses are reported; however, since the IS response was below method criteria, all associated compounds and surrogate recoveries are considered to have a potentially high bias.

L1119650-05: The internal standard (IS) responses for Chlorobenzene (46%) and 1,4-Dichlorobenzene (29%) were below the acceptance criteria; however, re-analysis achieved similar results 1,4-Dichlorobenzene (32%). The results of both analyses are reported; however, since the IS response was below method criteria, all associated compounds are considered to have a potentially high bias.

L1119650-06: The internal standard (IS) responses for Fluorobenzene (39%), Chlorobenzene (17%) and 1,4-Dichlorobenzene (8%) and the surrogate recoveries for 1,2-Dichloroethane-d4 (150%), Toluene-d8 (150%) and Dibromofluoromethane (158%) were outside the acceptance criteria; however, re-analysis achieved similar results internal standard (IS) responses for Fluorobenzene (30%), Chlorobenzene (15%) and 1,4-Dichlorobenzene (8%) and high surrogate recoveries for 1,2-Dichloroethane-d4 (145%), Toluene-d8 (139%) and Dibromofluoromethane (151%). The results of both analyses are reported; however, since the IS response was below method criteria, all associated compounds and surrogate recoveries are considered to have a potentially high bias.

L1119650-07: The internal standard (IS) responses for Chlorobenzene (28%) and 1,4-Dichlorobenzene (14%) and the surrogate recoveries for 1,2-Dichloroethane-d4 (134%), Toluene-d8 (142%) and Dibromofluoromethane (132%) were outside the acceptance criteria; however, re-analysis achieved similar results internal standard (IS) responses for Chlorobenzene (27%) and 1,4-Dichlorobenzene (14%) and a high

Case Narrative (continued)

surrogate recovery for Toluene-d8 (138%). The results of both analyses are reported; however, since the IS response was below method criteria, all associated compounds and surrogate recoveries are considered to have a potentially high bias.

L1119650-08: The internal standard (IS) responses for Fluorobenzene (36%), Chlorobenzene (16%) and 1,4-Dichlorobenzene (7%) and the surrogate recoveries for Toluene-d8 (153%) and Dibromofluoromethane (140%) were outside the acceptance criteria; however, re-analysis achieved similar results internal standard (IS) responses for Fluorobenzene (23%), Chlorobenzene (11%) and 1,4-Dichlorobenzene (6%) and high surrogate recoveries for 1,2-Dichloroethane (136%), Toluene-d8 (139%) and Dibromofluoromethane (143%). The results of both analyses are reported; however, since the IS response was below method criteria, all associated compounds and surrogate recoveries are considered to have a potentially high bias.

L1119650-09: The internal standard (IS) responses for Fluorobenzene (36%), Chlorobenzene (18%) and 1,4-Dichlorobenzene (11%) and the surrogate recoveries for 1,2-Dichloroethane-d4 (135%), Toluene-d8 (140%) and Dibromofluoromethane (143%) were outside the acceptance criteria; however, re-analysis achieved similar results internal standard (IS) responses for Fluorobenzene (34%), Chlorobenzene (18%) and 1,4-Dichlorobenzene (9%) and high surrogate recoveries for Toluene-d8 (142%) and Dibromofluoromethane (137%). The results of both analyses are reported; however, since the IS response was below method criteria, all associated compounds and surrogate recoveries are considered to have a potentially high bias.

L1119650-11: The internal standard (IS) responses for Chlorobenzene (45%) and 1,4-Dichlorobenzene (27%) were below the acceptance criteria; however, re-analysis achieved similar results Chlorobenzene (44%) and 1,4-Dichlorobenzene (29%). The results of both analyses are reported; however, since the IS response was below method criteria (but not <20% of applicable calibration standard area counts), all associated compounds are considered to have a potentially high bias.

L1119650-12: The internal standard (IS) responses for Fluorobenzene (35%), Chlorobenzene (17%) and 1,4-Dichlorobenzene (9%) and the surrogate recoveries for 1,2-Dichloroethane-d4 (133%), Toluene-d8 (143%) and Dibromofluoromethane (143%) were outside the acceptance criteria; however, re-analysis achieved similar results internal standard (IS) responses for Fluorobenzene (31%), Chlorobenzene (15%) and 1,4-Dichlorobenzene (8%) and high surrogate recoveries for Toluene-d8 (148%) and Dibromofluoromethane (139%). The results of both analyses are reported; however, since the IS response was below method criteria,

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Case Narrative (continued)

all associated compounds and surrogate recoveries are considered to have a potentially high bias.
L1119650-04 through -09, -11, and -12: A table listing the Volatile Organics Internal Standards with their corresponding target compounds and surrogates has been included as an addendum.
The WG505492-1/-2 LCS/LCSD recoveries, associated with L1119650-10, are above the individual acceptance criteria for Trichlorofluoromethane (140%/131%) and Chloroethane (LCS at 132%), but within the overall method allowances. The results of the associated sample are reported; however, all positive detects are considered to have a potentially high bias for these compounds.
The WG505778-1 LCS/LCSD recoveries, associated with L1119650-04 through -09, -11 and - 12 are above the individual acceptance criteria for Trichlorofluoromethane (140%/131%) and Chloroethane (LCS at 132%), but within the overall method allowances. The results of the associated samples are reported; however, all positive detects are considered to have a potentially high bias for these compounds.
The WG505778-4/-5 LCS/LCSD recoveries, associated with L1119650-04 through -09, -11 and -12, are below the acceptance criteria for Dichlorodifluoromethane (54%/53%); however, it has been identified as a "difficult" analyte and is within the 40-160% acceptance limits. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.
A truncated list of compounds was utilized for the WG505483-1/-2 LCS/LCSD, associated with L1119650-01, 02 and -13.
A truncated list of compounds was utilized for the WG505484-1/-3 LCS/LCSD, associated with L1119650-13.
The initial calibration, associated with L1119650-04 through -12, did not meet the method required minimum response factors on the lowest calibration standards for Chloroethane (0.08118), Bromodichloromethane (0.19593), 1,4-Dioxane (0.00165), cis-1,3-Dichloropropene (0.17856), 4-Methyl-2-Pentanone (0.05671) and o-Xylene (0.28812), as well as the average response factor for Chloroethane, Acetone, 1,4-Dioxane and 4-Methyl-2-Pentanone.
The continuing calibration standards, associated with L1119650-04 through -12, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as an addendum to this report.
In reference to question I:
L1119650-01, -02 and -13 TAL reported meets CAM and 401 Water Quality Objectives.

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Case Narrative (continued)

Semivolatile Organics

L1119650-10 was re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

In reference to question H:

The WG504965-3 LCSD recoveries, associated with L1119650-03 through -12, are below the individual acceptance criteria for Aniline (38%) and 2,4-Dinitrophenol (25%), but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for these compounds. In addition the associated WG504965-2/-3 LCS/LCSD RPD is above the acceptance criteria for 2,4-Dinitrophenol (41%).

PAHs/PCB Congeners

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

EPH

In reference to question I:

All samples were analyzed for a subset of MCP compounds per the Chain of Custody.

Metals

In reference to question H:

The WG505322-3 Laboratory Duplicate RPD, performed on L1119650-01, is above the acceptance criteria for Cadmium (21%); however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

The WG505322-5 serial dilution test, associated with L1119650-01, had a %D above the acceptance criteria for Lead (22%).

In reference to question I:

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Case Narrative (continued)

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative

Date: 01/06/12

ORGANICS

VOLATILES

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-01	Date Collected:	11/22/11 10:00
Client ID:	NS-9A 0-1.5 (VOC 0.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	11/30/11 11:05		
Analyst:	BN		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	--	1
1,1-Dichloroethane	ND		ug/kg	0.91	--	1
Chloroform	ND		ug/kg	0.91	--	1
Carbon tetrachloride	ND		ug/kg	0.60	--	1
1,2-Dichloropropane	ND		ug/kg	2.1	--	1
Dibromochloromethane	ND		ug/kg	0.60	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	--	1
Tetrachloroethene	ND		ug/kg	0.60	--	1
Chlorobenzene	ND		ug/kg	0.60	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.60	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	--	1
Bromodichloromethane	ND		ug/kg	0.60	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.60	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	--	1
1,1-Dichloropropene	ND		ug/kg	3.0	--	1
Bromoform	ND		ug/kg	2.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	--	1
Benzene	ND		ug/kg	0.60	--	1
Toluene	ND		ug/kg	0.91	--	1
Ethylbenzene	ND		ug/kg	0.60	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.2	--	1
Vinyl chloride	ND		ug/kg	1.2	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.60	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.91	--	1
Trichloroethene	ND		ug/kg	0.60	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

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SAMPLE RESULTS

Lab ID: L1119650-01 Date Collected: 11/22/11 10:00

Client ID: NS-9A 0-1.5 (VOC 0.5') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.2	--	1
p/m-Xylene	ND		ug/kg	1.2	--	1
o-Xylene	ND		ug/kg	1.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.60	--	1
Dibromomethane	ND		ug/kg	6.0	--	1
1,4-Dichlorobutane	ND		ug/kg	6.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	6.0	--	1
Styrene	ND		ug/kg	1.2	--	1
Dichlorodifluoromethane	ND		ug/kg	6.0	--	1
Acetone	ND		ug/kg	22	--	1
Carbon disulfide	ND		ug/kg	6.0	--	1
2-Butanone	ND		ug/kg	6.0	--	1
Vinyl acetate	ND		ug/kg	6.0	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.0	--	1
2-Hexanone	ND		ug/kg	6.0	--	1
Ethyl methacrylate	ND		ug/kg	6.0	--	1
Acrylonitrile	ND		ug/kg	2.4	--	1
Bromochloromethane	ND		ug/kg	3.0	--	1
Tetrahydrofuran	ND		ug/kg	12	--	1
2,2-Dichloropropane	ND		ug/kg	3.0	--	1
1,2-Dibromoethane	ND		ug/kg	2.4	--	1
1,3-Dichloropropane	ND		ug/kg	3.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	--	1
Bromobenzene	ND		ug/kg	3.0	--	1
n-Butylbenzene	ND		ug/kg	0.60	--	1
sec-Butylbenzene	ND		ug/kg	0.60	--	1
tert-Butylbenzene	ND		ug/kg	3.0	--	1
o-Chlorotoluene	ND		ug/kg	3.0	--	1
p-Chlorotoluene	ND		ug/kg	3.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.60	--	1
p-Isopropyltoluene	ND		ug/kg	0.60	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.60	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-01	Date Collected:	11/22/11 10:00
Client ID:	NS-9A 0-1.5 (VOC 0.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.0	--	1
Ethyl ether	ND		ug/kg	3.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	109		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-02	Date Collected:	11/22/11 10:15
Client ID:	NS-9B 0-1.5 (VOC 0.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	11/30/11 11:40		
Analyst:	BN		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.2	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.72	--	1
1,2-Dichloropropane	ND		ug/kg	2.5	--	1
Dibromochloromethane	ND		ug/kg	0.72	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.72	--	1
Chlorobenzene	ND		ug/kg	0.72	--	1
Trichlorofluoromethane	ND		ug/kg	3.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.72	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.72	--	1
Bromodichloromethane	ND		ug/kg	0.72	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.72	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.72	--	1
1,1-Dichloropropene	ND		ug/kg	3.6	--	1
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.72	--	1
Benzene	ND		ug/kg	0.72	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	0.72	--	1
Chloromethane	ND		ug/kg	3.6	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	1.4	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.72	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
Trichloroethene	ND		ug/kg	0.72	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-02 Date Collected: 11/22/11 10:15

Client ID: NS-9B 0-1.5 (VOC 0.5') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	1.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.72	--	1
Dibromomethane	ND		ug/kg	7.2	--	1
1,4-Dichlorobutane	ND		ug/kg	7.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	7.2	--	1
Styrene	ND		ug/kg	1.4	--	1
Dichlorodifluoromethane	ND		ug/kg	7.2	--	1
Acetone	ND		ug/kg	26	--	1
Carbon disulfide	ND		ug/kg	7.2	--	1
2-Butanone	ND		ug/kg	7.2	--	1
Vinyl acetate	ND		ug/kg	7.2	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.2	--	1
2-Hexanone	ND		ug/kg	7.2	--	1
Ethyl methacrylate	ND		ug/kg	7.2	--	1
Acrylonitrile	ND		ug/kg	2.9	--	1
Bromochloromethane	ND		ug/kg	3.6	--	1
Tetrahydrofuran	ND		ug/kg	14	--	1
2,2-Dichloropropane	ND		ug/kg	3.6	--	1
1,2-Dibromoethane	ND		ug/kg	2.9	--	1
1,3-Dichloropropane	ND		ug/kg	3.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.72	--	1
Bromobenzene	ND		ug/kg	3.6	--	1
n-Butylbenzene	ND		ug/kg	0.72	--	1
sec-Butylbenzene	ND		ug/kg	0.72	--	1
tert-Butylbenzene	ND		ug/kg	3.6	--	1
o-Chlorotoluene	ND		ug/kg	3.6	--	1
p-Chlorotoluene	ND		ug/kg	3.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	--	1
Hexachlorobutadiene	ND		ug/kg	3.6	--	1
Isopropylbenzene	ND		ug/kg	0.72	--	1
p-Isopropyltoluene	ND		ug/kg	0.72	--	1
Naphthalene	ND		ug/kg	3.6	--	1
n-Propylbenzene	ND		ug/kg	0.72	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.6	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-02	Date Collected:	11/22/11 10:15
Client ID:	NS-9B 0-1.5 (VOC 0.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.6	--	1
Ethyl ether	ND		ug/kg	3.6	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-04	Date Collected:	11/22/11 10:55
Client ID:	NS-7 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	11/30/11 13:32		
Analyst:	BN		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	8.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.80	--	1
1,2-Dichloropropane	ND		ug/kg	2.8	--	1
Dibromochloromethane	ND		ug/kg	0.80	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.80	--	1
Chlorobenzene	ND		ug/kg	0.80	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.80	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.80	--	1
Bromodichloromethane	ND		ug/kg	0.80	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.80	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.80	--	1
1,1-Dichloropropene	ND		ug/kg	3.2	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.80	--	1
Benzene	ND		ug/kg	0.80	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.80	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.80	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Trichloroethene	ND		ug/kg	0.80	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-04 Date Collected: 11/22/11 10:55

Client ID: NS-7 0-10' (VOC 2') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.80	--	1
Dibromomethane	ND		ug/kg	3.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.2	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	8.0	--	1
Acetone	ND		ug/kg	29	--	1
Carbon disulfide	ND		ug/kg	3.2	--	1
2-Butanone	ND		ug/kg	8.0	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.0	--	1
2-Hexanone	ND		ug/kg	8.0	--	1
Bromochloromethane	ND		ug/kg	3.2	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	4.0	--	1
1,2-Dibromoethane	ND		ug/kg	3.2	--	1
1,3-Dichloropropane	ND		ug/kg	3.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.80	--	1
Bromobenzene	ND		ug/kg	4.0	--	1
n-Butylbenzene	ND		ug/kg	0.80	--	1
sec-Butylbenzene	ND		ug/kg	0.80	--	1
tert-Butylbenzene	ND		ug/kg	3.2	--	1
o-Chlorotoluene	ND		ug/kg	3.2	--	1
p-Chlorotoluene	ND		ug/kg	3.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.80	--	1
p-Isopropyltoluene	ND		ug/kg	0.80	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.80	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	--	1
Ethyl ether	ND		ug/kg	4.0	--	1
Isopropyl Ether	ND		ug/kg	3.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.2	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-04	Date Collected:	11/22/11 10:55
Client ID:	NS-7 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	32	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**133**	Q	70-130
Toluene-d8	125		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	126		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-04 R	Date Collected:	11/22/11 10:55
Client ID:	NS-7 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	12/01/11 12:56		
Analyst:	BN		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.9	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.79	--	1
1,2-Dichloropropane	ND		ug/kg	2.8	--	1
Dibromochloromethane	ND		ug/kg	0.79	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.79	--	1
Chlorobenzene	ND		ug/kg	0.79	--	1
Trichlorofluoromethane	ND		ug/kg	3.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.79	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.79	--	1
Bromodichloromethane	ND		ug/kg	0.79	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.79	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.79	--	1
1,1-Dichloropropene	ND		ug/kg	3.2	--	1
Bromoform	ND		ug/kg	3.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.79	--	1
Benzene	1.0		ug/kg	0.79	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.79	--	1
Chloromethane	ND		ug/kg	3.2	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.79	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Trichloroethene	ND		ug/kg	0.79	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.2	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-04 R Date Collected: 11/22/11 10:55

Client ID: NS-7 0-10' (VOC 2') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.79	--	1
Dibromomethane	ND		ug/kg	3.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.2	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	7.9	--	1
Acetone	ND		ug/kg	28	--	1
Carbon disulfide	ND		ug/kg	3.2	--	1
2-Butanone	ND		ug/kg	7.9	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.9	--	1
2-Hexanone	ND		ug/kg	7.9	--	1
Bromochloromethane	ND		ug/kg	3.2	--	1
Tetrahydrofuran	ND		ug/kg	3.2	--	1
2,2-Dichloropropane	ND		ug/kg	4.0	--	1
1,2-Dibromoethane	ND		ug/kg	3.2	--	1
1,3-Dichloropropane	ND		ug/kg	3.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.79	--	1
Bromobenzene	ND		ug/kg	4.0	--	1
n-Butylbenzene	ND		ug/kg	0.79	--	1
sec-Butylbenzene	ND		ug/kg	0.79	--	1
tert-Butylbenzene	ND		ug/kg	3.2	--	1
o-Chlorotoluene	ND		ug/kg	3.2	--	1
p-Chlorotoluene	ND		ug/kg	3.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	--	1
Hexachlorobutadiene	ND		ug/kg	3.2	--	1
Isopropylbenzene	ND		ug/kg	0.79	--	1
p-Isopropyltoluene	ND		ug/kg	0.79	--	1
Naphthalene	ND		ug/kg	3.2	--	1
n-Propylbenzene	ND		ug/kg	0.79	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.2	--	1
Ethyl ether	ND		ug/kg	4.0	--	1
Isopropyl Ether	ND		ug/kg	3.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.2	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-04 R	Date Collected:	11/22/11 10:55
Client ID:	NS-7 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	32	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**133**	Q	70-130
Toluene-d8	124		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	126		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-05	Date Collected:	11/22/11 11:20
Client ID:	NS-8 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	11/30/11 14:01		
Analyst:	BN		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.99	--	1
Chloroform	ND		ug/kg	0.99	--	1
Carbon tetrachloride	ND		ug/kg	0.66	--	1
1,2-Dichloropropane	ND		ug/kg	2.3	--	1
Dibromochloromethane	ND		ug/kg	0.66	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	--	1
Tetrachloroethene	ND		ug/kg	0.66	--	1
Chlorobenzene	ND		ug/kg	0.66	--	1
Trichlorofluoromethane	ND		ug/kg	2.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.66	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	--	1
Bromodichloromethane	ND		ug/kg	0.66	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.66	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	--	1
1,1-Dichloropropene	ND		ug/kg	2.6	--	1
Bromoform	ND		ug/kg	2.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	--	1
Benzene	ND		ug/kg	0.66	--	1
Toluene	ND		ug/kg	0.99	--	1
Ethylbenzene	ND		ug/kg	0.66	--	1
Chloromethane	ND		ug/kg	2.6	--	1
Bromomethane	ND		ug/kg	1.3	--	1
Vinyl chloride	ND		ug/kg	1.3	--	1
Chloroethane	ND		ug/kg	1.3	--	1
1,1-Dichloroethene	ND		ug/kg	0.66	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.99	--	1
Trichloroethene	4.6		ug/kg	0.66	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-05 Date Collected: 11/22/11 11:20

Client ID: NS-8 0-10' (VOC 2') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.3	--	1
p/m-Xylene	ND		ug/kg	1.3	--	1
o-Xylene	ND		ug/kg	1.3	--	1
cis-1,2-Dichloroethene	1.1		ug/kg	0.66	--	1
Dibromomethane	ND		ug/kg	2.6	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	--	1
Styrene	ND		ug/kg	1.3	--	1
Dichlorodifluoromethane	ND		ug/kg	6.6	--	1
Acetone	ND		ug/kg	24	--	1
Carbon disulfide	ND		ug/kg	2.6	--	1
2-Butanone	ND		ug/kg	6.6	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.6	--	1
2-Hexanone	ND		ug/kg	6.6	--	1
Bromochloromethane	ND		ug/kg	2.6	--	1
Tetrahydrofuran	ND		ug/kg	2.6	--	1
2,2-Dichloropropane	ND		ug/kg	3.3	--	1
1,2-Dibromoethane	ND		ug/kg	2.6	--	1
1,3-Dichloropropane	ND		ug/kg	2.6	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	--	1
Bromobenzene	ND		ug/kg	3.3	--	1
n-Butylbenzene	ND		ug/kg	0.66	--	1
sec-Butylbenzene	ND		ug/kg	0.66	--	1
tert-Butylbenzene	ND		ug/kg	2.6	--	1
o-Chlorotoluene	ND		ug/kg	2.6	--	1
p-Chlorotoluene	ND		ug/kg	2.6	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	--	1
Hexachlorobutadiene	ND		ug/kg	2.6	--	1
Isopropylbenzene	ND		ug/kg	0.66	--	1
p-Isopropyltoluene	ND		ug/kg	0.66	--	1
Naphthalene	ND		ug/kg	2.6	--	1
n-Propylbenzene	ND		ug/kg	0.66	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	--	1
Ethyl ether	ND		ug/kg	3.3	--	1
Isopropyl Ether	ND		ug/kg	2.6	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.6	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.6	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-05	Date Collected:	11/22/11 11:20
Client ID:	NS-8 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	26	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	114		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-05 R	Date Collected:	11/22/11 11:20
Client ID:	NS-8 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	12/01/11 13:25		
Analyst:	BN		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.68	--	1
1,2-Dichloropropane	ND		ug/kg	2.4	--	1
Dibromochloromethane	ND		ug/kg	0.68	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.68	--	1
Chlorobenzene	ND		ug/kg	0.68	--	1
Trichlorofluoromethane	ND		ug/kg	2.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.68	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	--	1
Bromodichloromethane	ND		ug/kg	0.68	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.68	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	--	1
1,1-Dichloropropene	ND		ug/kg	2.7	--	1
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	--	1
Benzene	ND		ug/kg	0.68	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	0.68	--	1
Chloromethane	ND		ug/kg	2.7	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	1.4	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.68	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Trichloroethene	3.6		ug/kg	0.68	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-05 R Date Collected: 11/22/11 11:20

Client ID: NS-8 0-10' (VOC 2') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	1.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.68	--	1
Dibromomethane	ND		ug/kg	2.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	--	1
Styrene	ND		ug/kg	1.4	--	1
Dichlorodifluoromethane	ND		ug/kg	6.8	--	1
Acetone	ND		ug/kg	25	--	1
Carbon disulfide	ND		ug/kg	2.7	--	1
2-Butanone	ND		ug/kg	6.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.8	--	1
2-Hexanone	ND		ug/kg	6.8	--	1
Bromochloromethane	ND		ug/kg	2.7	--	1
Tetrahydrofuran	ND		ug/kg	2.7	--	1
2,2-Dichloropropane	ND		ug/kg	3.4	--	1
1,2-Dibromoethane	ND		ug/kg	2.7	--	1
1,3-Dichloropropane	ND		ug/kg	2.7	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	--	1
Bromobenzene	ND		ug/kg	3.4	--	1
n-Butylbenzene	ND		ug/kg	0.68	--	1
sec-Butylbenzene	ND		ug/kg	0.68	--	1
tert-Butylbenzene	ND		ug/kg	2.7	--	1
o-Chlorotoluene	ND		ug/kg	2.7	--	1
p-Chlorotoluene	ND		ug/kg	2.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	--	1
Hexachlorobutadiene	ND		ug/kg	2.7	--	1
Isopropylbenzene	ND		ug/kg	0.68	--	1
p-Isopropyltoluene	ND		ug/kg	0.68	--	1
Naphthalene	ND		ug/kg	2.7	--	1
n-Propylbenzene	ND		ug/kg	0.68	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	--	1
Ethyl ether	ND		ug/kg	3.4	--	1
Isopropyl Ether	ND		ug/kg	2.7	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.7	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-05 R	Date Collected:	11/22/11 11:20
Client ID:	NS-8 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	27	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	113		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-06	Date Collected:	11/22/11 12:00
Client ID:	NS-5 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	11/30/11 14:30		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.2	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.72	--	1
1,2-Dichloropropane	ND		ug/kg	2.5	--	1
Dibromochloromethane	ND		ug/kg	0.72	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.72	--	1
Chlorobenzene	ND		ug/kg	0.72	--	1
Trichlorofluoromethane	ND		ug/kg	2.9	--	1
1,2-Dichloroethane	ND		ug/kg	0.72	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.72	--	1
Bromodichloromethane	ND		ug/kg	0.72	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.72	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.72	--	1
1,1-Dichloropropene	ND		ug/kg	2.9	--	1
Bromoform	ND		ug/kg	2.9	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.72	--	1
Benzene	ND		ug/kg	0.72	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	0.72	--	1
Chloromethane	ND		ug/kg	2.9	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	1.4	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.72	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
Trichloroethene	ND		ug/kg	0.72	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-06 Date Collected: 11/22/11 12:00

Client ID: NS-5 0-10' (VOC 2') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	1.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.72	--	1
Dibromomethane	ND		ug/kg	2.9	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	--	1
Styrene	ND		ug/kg	1.4	--	1
Dichlorodifluoromethane	ND		ug/kg	7.2	--	1
Acetone	ND		ug/kg	26	--	1
Carbon disulfide	ND		ug/kg	2.9	--	1
2-Butanone	ND		ug/kg	7.2	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.2	--	1
2-Hexanone	ND		ug/kg	7.2	--	1
Bromochloromethane	ND		ug/kg	2.9	--	1
Tetrahydrofuran	ND		ug/kg	2.9	--	1
2,2-Dichloropropane	ND		ug/kg	3.6	--	1
1,2-Dibromoethane	ND		ug/kg	2.9	--	1
1,3-Dichloropropane	ND		ug/kg	2.9	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.72	--	1
Bromobenzene	ND		ug/kg	3.6	--	1
n-Butylbenzene	ND		ug/kg	0.72	--	1
sec-Butylbenzene	ND		ug/kg	0.72	--	1
tert-Butylbenzene	ND		ug/kg	2.9	--	1
o-Chlorotoluene	ND		ug/kg	2.9	--	1
p-Chlorotoluene	ND		ug/kg	2.9	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	--	1
Hexachlorobutadiene	ND		ug/kg	2.9	--	1
Isopropylbenzene	ND		ug/kg	0.72	--	1
p-Isopropyltoluene	ND		ug/kg	0.72	--	1
Naphthalene	ND		ug/kg	2.9	--	1
n-Propylbenzene	ND		ug/kg	0.72	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	--	1
Ethyl ether	ND		ug/kg	3.6	--	1
Isopropyl Ether	ND		ug/kg	2.9	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.9	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.9	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-06	Date Collected:	11/22/11 12:00
Client ID:	NS-5 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	29	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**150**	Q	70-130
Toluene-d8	**150**	Q	70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	**158**	Q	70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-06 R	Date Collected:	11/22/11 12:00
Client ID:	NS-5 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	12/01/11 13:53		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	9.4	--	1
1,1-Dichloroethane	ND		ug/kg	1.4	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.94	--	1
1,2-Dichloropropane	ND		ug/kg	3.3	--	1
Dibromochloromethane	ND		ug/kg	0.94	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	--	1
Tetrachloroethene	ND		ug/kg	0.94	--	1
Chlorobenzene	ND		ug/kg	0.94	--	1
Trichlorofluoromethane	ND		ug/kg	3.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.94	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.94	--	1
Bromodichloromethane	ND		ug/kg	0.94	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.94	--	1
1,1-Dichloropropene	ND		ug/kg	3.8	--	1
Bromoform	ND		ug/kg	3.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.94	--	1
Benzene	ND		ug/kg	0.94	--	1
Toluene	ND		ug/kg	1.4	--	1
Ethylbenzene	ND		ug/kg	0.94	--	1
Chloromethane	ND		ug/kg	3.8	--	1
Bromomethane	ND		ug/kg	1.9	--	1
Vinyl chloride	ND		ug/kg	1.9	--	1
Chloroethane	ND		ug/kg	1.9	--	1
1,1-Dichloroethene	ND		ug/kg	0.94	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1
Trichloroethene	ND		ug/kg	0.94	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.8	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-06 R Date Collected: 11/22/11 12:00

Client ID: NS-5 0-10' (VOC 2') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.9	--	1
p/m-Xylene	ND		ug/kg	1.9	--	1
o-Xylene	ND		ug/kg	1.9	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	--	1
Dibromomethane	ND		ug/kg	3.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.8	--	1
Styrene	ND		ug/kg	1.9	--	1
Dichlorodifluoromethane	ND		ug/kg	9.4	--	1
Acetone	57		ug/kg	34	--	1
Carbon disulfide	ND		ug/kg	3.8	--	1
2-Butanone	ND		ug/kg	9.4	--	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	--	1
2-Hexanone	ND		ug/kg	9.4	--	1
Bromochloromethane	ND		ug/kg	3.8	--	1
Tetrahydrofuran	ND		ug/kg	3.8	--	1
2,2-Dichloropropane	ND		ug/kg	4.7	--	1
1,2-Dibromoethane	ND		ug/kg	3.8	--	1
1,3-Dichloropropane	ND		ug/kg	3.8	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.94	--	1
Bromobenzene	ND		ug/kg	4.7	--	1
n-Butylbenzene	ND		ug/kg	0.94	--	1
sec-Butylbenzene	ND		ug/kg	0.94	--	1
tert-Butylbenzene	ND		ug/kg	3.8	--	1
o-Chlorotoluene	ND		ug/kg	3.8	--	1
p-Chlorotoluene	ND		ug/kg	3.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	--	1
Hexachlorobutadiene	ND		ug/kg	3.8	--	1
Isopropylbenzene	ND		ug/kg	0.94	--	1
p-Isopropyltoluene	ND		ug/kg	0.94	--	1
Naphthalene	ND		ug/kg	3.8	--	1
n-Propylbenzene	ND		ug/kg	0.94	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.8	--	1
Ethyl ether	ND		ug/kg	4.7	--	1
Isopropyl Ether	ND		ug/kg	3.8	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.8	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-06 R	Date Collected:	11/22/11 12:00
Client ID:	NS-5 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	38	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**145**	Q	70-130
Toluene-d8	**139**	Q	70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	**151**	Q	70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-07	Date Collected:	11/22/11 13:08
Client ID:	NS-6 0-8' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	11/30/11 14:59		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.8	--	1
1,1-Dichloroethane	ND		ug/kg	1.2	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.78	--	1
1,2-Dichloropropane	ND		ug/kg	2.7	--	1
Dibromochloromethane	ND		ug/kg	0.78	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	--	1
Tetrachloroethene	ND		ug/kg	0.78	--	1
Chlorobenzene	ND		ug/kg	0.78	--	1
Trichlorofluoromethane	ND		ug/kg	3.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.78	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.78	--	1
Bromodichloromethane	ND		ug/kg	0.78	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.78	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.78	--	1
1,1-Dichloropropene	ND		ug/kg	3.1	--	1
Bromoform	ND		ug/kg	3.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.78	--	1
Benzene	ND		ug/kg	0.78	--	1
Toluene	ND		ug/kg	1.2	--	1
Ethylbenzene	ND		ug/kg	0.78	--	1
Chloromethane	ND		ug/kg	3.1	--	1
Bromomethane	ND		ug/kg	1.6	--	1
Vinyl chloride	ND		ug/kg	1.6	--	1
Chloroethane	ND		ug/kg	1.6	--	1
1,1-Dichloroethene	ND		ug/kg	0.78	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Trichloroethene	ND		ug/kg	0.78	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.1	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-07 Date Collected: 11/22/11 13:08

Client ID: NS-6 0-8' (VOC 1.5') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.6	--	1
p/m-Xylene	ND		ug/kg	1.6	--	1
o-Xylene	ND		ug/kg	1.6	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.78	--	1
Dibromomethane	ND		ug/kg	3.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.1	--	1
Styrene	ND		ug/kg	1.6	--	1
Dichlorodifluoromethane	ND		ug/kg	7.8	--	1
Acetone	ND		ug/kg	28	--	1
Carbon disulfide	ND		ug/kg	3.1	--	1
2-Butanone	ND		ug/kg	7.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.8	--	1
2-Hexanone	ND		ug/kg	7.8	--	1
Bromochloromethane	ND		ug/kg	3.1	--	1
Tetrahydrofuran	ND		ug/kg	3.1	--	1
2,2-Dichloropropane	ND		ug/kg	3.9	--	1
1,2-Dibromoethane	ND		ug/kg	3.1	--	1
1,3-Dichloropropane	ND		ug/kg	3.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.78	--	1
Bromobenzene	ND		ug/kg	3.9	--	1
n-Butylbenzene	ND		ug/kg	0.78	--	1
sec-Butylbenzene	ND		ug/kg	0.78	--	1
tert-Butylbenzene	ND		ug/kg	3.1	--	1
o-Chlorotoluene	ND		ug/kg	3.1	--	1
p-Chlorotoluene	ND		ug/kg	3.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	--	1
Hexachlorobutadiene	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	0.78	--	1
p-Isopropyltoluene	ND		ug/kg	0.78	--	1
Naphthalene	ND		ug/kg	3.1	--	1
n-Propylbenzene	ND		ug/kg	0.78	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.1	--	1
Ethyl ether	ND		ug/kg	3.9	--	1
Isopropyl Ether	ND		ug/kg	3.1	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.1	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-07	Date Collected:	11/22/11 13:08
Client ID:	NS-6 0-8' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	31	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**134**	Q	70-130
Toluene-d8	**142**	Q	70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	**132**	Q	70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-07 R	Date Collected:	11/22/11 13:08
Client ID:	NS-6 0-8' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	12/01/11 14:21		
Analyst:	BN		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	--	1
1,1-Dichloroethane	ND		ug/kg	0.80	--	1
Chloroform	ND		ug/kg	0.80	--	1
Carbon tetrachloride	ND		ug/kg	0.53	--	1
1,2-Dichloropropane	ND		ug/kg	1.8	--	1
Dibromochloromethane	ND		ug/kg	0.53	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.80	--	1
Tetrachloroethene	ND		ug/kg	0.53	--	1
Chlorobenzene	ND		ug/kg	0.53	--	1
Trichlorofluoromethane	ND		ug/kg	2.1	--	1
1,2-Dichloroethane	ND		ug/kg	0.53	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	--	1
Bromodichloromethane	ND		ug/kg	0.53	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.53	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	--	1
1,1-Dichloropropene	ND		ug/kg	2.1	--	1
Bromoform	ND		ug/kg	2.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	--	1
Benzene	ND		ug/kg	0.53	--	1
Toluene	ND		ug/kg	0.80	--	1
Ethylbenzene	ND		ug/kg	0.53	--	1
Chloromethane	ND		ug/kg	2.1	--	1
Bromomethane	ND		ug/kg	1.1	--	1
Vinyl chloride	ND		ug/kg	1.1	--	1
Chloroethane	ND		ug/kg	1.1	--	1
1,1-Dichloroethene	ND		ug/kg	0.53	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.80	--	1
Trichloroethene	ND		ug/kg	0.53	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-07 R Date Collected: 11/22/11 13:08

Client ID: NS-6 0-8' (VOC 1.5') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.1	--	1
p/m-Xylene	ND		ug/kg	1.1	--	1
o-Xylene	ND		ug/kg	1.1	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.53	--	1
Dibromomethane	ND		ug/kg	2.1	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	--	1
Styrene	ND		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	5.3	--	1
Acetone	ND		ug/kg	19	--	1
Carbon disulfide	ND		ug/kg	2.1	--	1
2-Butanone	ND		ug/kg	5.3	--	1
4-Methyl-2-pentanone	ND		ug/kg	5.3	--	1
2-Hexanone	ND		ug/kg	5.3	--	1
Bromochloromethane	ND		ug/kg	2.1	--	1
Tetrahydrofuran	ND		ug/kg	2.1	--	1
2,2-Dichloropropane	ND		ug/kg	2.6	--	1
1,2-Dibromoethane	ND		ug/kg	2.1	--	1
1,3-Dichloropropane	ND		ug/kg	2.1	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	--	1
Bromobenzene	ND		ug/kg	2.6	--	1
n-Butylbenzene	ND		ug/kg	0.53	--	1
sec-Butylbenzene	ND		ug/kg	0.53	--	1
tert-Butylbenzene	ND		ug/kg	2.1	--	1
o-Chlorotoluene	ND		ug/kg	2.1	--	1
p-Chlorotoluene	ND		ug/kg	2.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.1	--	1
Hexachlorobutadiene	ND		ug/kg	2.1	--	1
Isopropylbenzene	ND		ug/kg	0.53	--	1
p-Isopropyltoluene	ND		ug/kg	0.53	--	1
Naphthalene	ND		ug/kg	2.1	--	1
n-Propylbenzene	ND		ug/kg	0.53	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	--	1
Ethyl ether	ND		ug/kg	2.6	--	1
Isopropyl Ether	ND		ug/kg	2.1	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.1	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.1	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-07 R Date Collected: 11/22/11 13:08

Client ID: NS-6 0-8' (VOC 1.5') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	21	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	**138**	Q	70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	122		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-08	Date Collected:	11/22/11 13:50
Client ID:	NS-3 0-10' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	11/30/11 15:28		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.92	--	1
Chloroform	ND		ug/kg	0.92	--	1
Carbon tetrachloride	ND		ug/kg	0.61	--	1
1,2-Dichloropropane	ND		ug/kg	2.1	--	1
Dibromochloromethane	ND		ug/kg	0.61	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	--	1
Tetrachloroethene	ND		ug/kg	0.61	--	1
Chlorobenzene	ND		ug/kg	0.61	--	1
Trichlorofluoromethane	ND		ug/kg	2.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.61	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	--	1
Bromodichloromethane	ND		ug/kg	0.61	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.61	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	--	1
1,1-Dichloropropene	ND		ug/kg	2.4	--	1
Bromoform	ND		ug/kg	2.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	--	1
Benzene	ND		ug/kg	0.61	--	1
Toluene	ND		ug/kg	0.92	--	1
Ethylbenzene	ND		ug/kg	0.61	--	1
Chloromethane	ND		ug/kg	2.4	--	1
Bromomethane	ND		ug/kg	1.2	--	1
Vinyl chloride	ND		ug/kg	1.2	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.61	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.92	--	1
Trichloroethene	ND		ug/kg	0.61	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-08 Date Collected: 11/22/11 13:50

Client ID: NS-3 0-10' (VOC 1.5') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.2	--	1
p/m-Xylene	ND		ug/kg	1.2	--	1
o-Xylene	ND		ug/kg	1.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.61	--	1
Dibromomethane	ND		ug/kg	2.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	--	1
Styrene	ND		ug/kg	1.2	--	1
Dichlorodifluoromethane	ND		ug/kg	6.1	--	1
Acetone	ND		ug/kg	22	--	1
Carbon disulfide	ND		ug/kg	2.4	--	1
2-Butanone	ND		ug/kg	6.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.1	--	1
2-Hexanone	ND		ug/kg	6.1	--	1
Bromochloromethane	ND		ug/kg	2.4	--	1
Tetrahydrofuran	ND		ug/kg	2.4	--	1
2,2-Dichloropropane	ND		ug/kg	3.0	--	1
1,2-Dibromoethane	ND		ug/kg	2.4	--	1
1,3-Dichloropropane	ND		ug/kg	2.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	--	1
Bromobenzene	ND		ug/kg	3.0	--	1
n-Butylbenzene	ND		ug/kg	0.61	--	1
sec-Butylbenzene	ND		ug/kg	0.61	--	1
tert-Butylbenzene	ND		ug/kg	2.4	--	1
o-Chlorotoluene	ND		ug/kg	2.4	--	1
p-Chlorotoluene	ND		ug/kg	2.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	2.4	--	1
Isopropylbenzene	ND		ug/kg	0.61	--	1
p-Isopropyltoluene	ND		ug/kg	0.61	--	1
Naphthalene	ND		ug/kg	2.4	--	1
n-Propylbenzene	ND		ug/kg	0.61	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	--	1
Ethyl ether	ND		ug/kg	3.0	--	1
Isopropyl Ether	ND		ug/kg	2.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.4	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-08	Date Collected:	11/22/11 13:50
Client ID:	NS-3 0-10' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	24	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	**153**	Q	70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	**140**	Q	70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-08 R	Date Collected:	11/22/11 13:50
Client ID:	NS-3 0-10' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	12/01/11 14:50		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.92	--	1
Chloroform	ND		ug/kg	0.92	--	1
Carbon tetrachloride	ND		ug/kg	0.61	--	1
1,2-Dichloropropane	ND		ug/kg	2.1	--	1
Dibromochloromethane	ND		ug/kg	0.61	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	--	1
Tetrachloroethene	ND		ug/kg	0.61	--	1
Chlorobenzene	ND		ug/kg	0.61	--	1
Trichlorofluoromethane	ND		ug/kg	2.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.61	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	--	1
Bromodichloromethane	ND		ug/kg	0.61	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.61	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	--	1
1,1-Dichloropropene	ND		ug/kg	2.4	--	1
Bromoform	ND		ug/kg	2.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	--	1
Benzene	ND		ug/kg	0.61	--	1
Toluene	ND		ug/kg	0.92	--	1
Ethylbenzene	ND		ug/kg	0.61	--	1
Chloromethane	ND		ug/kg	2.4	--	1
Bromomethane	ND		ug/kg	1.2	--	1
Vinyl chloride	ND		ug/kg	1.2	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.61	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.92	--	1
Trichloroethene	ND		ug/kg	0.61	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-08 R Date Collected: 11/22/11 13:50

Client ID: NS-3 0-10' (VOC 1.5') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.2	--	1
p/m-Xylene	ND		ug/kg	1.2	--	1
o-Xylene	ND		ug/kg	1.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.61	--	1
Dibromomethane	ND		ug/kg	2.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	--	1
Styrene	ND		ug/kg	1.2	--	1
Dichlorodifluoromethane	ND		ug/kg	6.1	--	1
Acetone	49		ug/kg	22	--	1
Carbon disulfide	ND		ug/kg	2.4	--	1
2-Butanone	ND		ug/kg	6.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.1	--	1
2-Hexanone	ND		ug/kg	6.1	--	1
Bromochloromethane	ND		ug/kg	2.4	--	1
Tetrahydrofuran	ND		ug/kg	2.4	--	1
2,2-Dichloropropane	ND		ug/kg	3.0	--	1
1,2-Dibromoethane	ND		ug/kg	2.4	--	1
1,3-Dichloropropane	ND		ug/kg	2.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	--	1
Bromobenzene	ND		ug/kg	3.0	--	1
n-Butylbenzene	ND		ug/kg	0.61	--	1
sec-Butylbenzene	ND		ug/kg	0.61	--	1
tert-Butylbenzene	ND		ug/kg	2.4	--	1
o-Chlorotoluene	ND		ug/kg	2.4	--	1
p-Chlorotoluene	ND		ug/kg	2.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	2.4	--	1
Isopropylbenzene	ND		ug/kg	0.61	--	1
p-Isopropyltoluene	ND		ug/kg	0.61	--	1
Naphthalene	ND		ug/kg	2.4	--	1
n-Propylbenzene	ND		ug/kg	0.61	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	--	1
Ethyl ether	ND		ug/kg	3.0	--	1
Isopropyl Ether	ND		ug/kg	2.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.4	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-08 R	Date Collected:	11/22/11 13:50
Client ID:	NS-3 0-10' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	24	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**136**	Q	70-130
Toluene-d8	**139**	Q	70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	**143**	Q	70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-09	Date Collected:	11/22/11 14:30
Client ID:	NS-4 0-10' (VOC 3.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	11/30/11 15:57		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.2	--	1
1,1-Dichloroethane	ND		ug/kg	0.94	--	1
Chloroform	ND		ug/kg	0.94	--	1
Carbon tetrachloride	ND		ug/kg	0.62	--	1
1,2-Dichloropropane	ND		ug/kg	2.2	--	1
Dibromochloromethane	ND		ug/kg	0.62	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	--	1
Tetrachloroethene	1.0		ug/kg	0.62	--	1
Chlorobenzene	ND		ug/kg	0.62	--	1
Trichlorofluoromethane	ND		ug/kg	2.5	--	1
1,2-Dichloroethane	ND		ug/kg	0.62	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.62	--	1
Bromodichloromethane	ND		ug/kg	0.62	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.62	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.62	--	1
1,1-Dichloropropene	ND		ug/kg	2.5	--	1
Bromoform	ND		ug/kg	2.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.62	--	1
Benzene	ND		ug/kg	0.62	--	1
Toluene	ND		ug/kg	0.94	--	1
Ethylbenzene	ND		ug/kg	0.62	--	1
Chloromethane	ND		ug/kg	2.5	--	1
Bromomethane	ND		ug/kg	1.2	--	1
Vinyl chloride	ND		ug/kg	1.2	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.62	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.94	--	1
Trichloroethene	ND		ug/kg	0.62	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-09 Date Collected: 11/22/11 14:30

Client ID: NS-4 0-10' (VOC 3.5') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.2	--	1
p/m-Xylene	ND		ug/kg	1.2	--	1
o-Xylene	ND		ug/kg	1.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.62	--	1
Dibromomethane	ND		ug/kg	2.5	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	--	1
Styrene	ND		ug/kg	1.2	--	1
Dichlorodifluoromethane	ND		ug/kg	6.2	--	1
Acetone	ND		ug/kg	22	--	1
Carbon disulfide	ND		ug/kg	2.5	--	1
2-Butanone	ND		ug/kg	6.2	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.2	--	1
2-Hexanone	ND		ug/kg	6.2	--	1
Bromochloromethane	ND		ug/kg	2.5	--	1
Tetrahydrofuran	ND		ug/kg	2.5	--	1
2,2-Dichloropropane	ND		ug/kg	3.1	--	1
1,2-Dibromoethane	ND		ug/kg	2.5	--	1
1,3-Dichloropropane	ND		ug/kg	2.5	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.62	--	1
Bromobenzene	ND		ug/kg	3.1	--	1
n-Butylbenzene	ND		ug/kg	0.62	--	1
sec-Butylbenzene	ND		ug/kg	0.62	--	1
tert-Butylbenzene	ND		ug/kg	2.5	--	1
o-Chlorotoluene	ND		ug/kg	2.5	--	1
p-Chlorotoluene	ND		ug/kg	2.5	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	--	1
Hexachlorobutadiene	ND		ug/kg	2.5	--	1
Isopropylbenzene	ND		ug/kg	0.62	--	1
p-Isopropyltoluene	ND		ug/kg	0.62	--	1
Naphthalene	ND		ug/kg	2.5	--	1
n-Propylbenzene	ND		ug/kg	0.62	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	--	1
Ethyl ether	ND		ug/kg	3.1	--	1
Isopropyl Ether	ND		ug/kg	2.5	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.5	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.5	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-09	Date Collected:	11/22/11 14:30
Client ID:	NS-4 0-10' (VOC 3.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	25	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**135**	Q	70-130
Toluene-d8	**140**	Q	70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	**143**	Q	70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-09 R	Date Collected:	11/22/11 14:30
Client ID:	NS-4 0-10' (VOC 3.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	12/01/11 15:19		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.83	--	1
Chloroform	ND		ug/kg	0.83	--	1
Carbon tetrachloride	ND		ug/kg	0.55	--	1
1,2-Dichloropropane	ND		ug/kg	1.9	--	1
Dibromochloromethane	ND		ug/kg	0.55	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.83	--	1
Tetrachloroethene	ND		ug/kg	0.55	--	1
Chlorobenzene	ND		ug/kg	0.55	--	1
Trichlorofluoromethane	ND		ug/kg	2.2	--	1
1,2-Dichloroethane	ND		ug/kg	0.55	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	--	1
Bromodichloromethane	ND		ug/kg	0.55	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.55	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	--	1
1,1-Dichloropropene	ND		ug/kg	2.2	--	1
Bromoform	ND		ug/kg	2.2	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	--	1
Benzene	ND		ug/kg	0.55	--	1
Toluene	ND		ug/kg	0.83	--	1
Ethylbenzene	ND		ug/kg	0.55	--	1
Chloromethane	ND		ug/kg	2.2	--	1
Bromomethane	ND		ug/kg	1.1	--	1
Vinyl chloride	ND		ug/kg	1.1	--	1
Chloroethane	ND		ug/kg	1.1	--	1
1,1-Dichloroethene	ND		ug/kg	0.55	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.83	--	1
Trichloroethene	ND		ug/kg	0.55	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-09 R
Client ID: NS-4 0-10' (VOC 3.5')
Sample Location: NEW BEDFORD, MA

Date Collected: 11/22/11 14:30
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.1	--	1
p/m-Xylene	ND		ug/kg	1.1	--	1
o-Xylene	ND		ug/kg	1.1	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.55	--	1
Dibromomethane	ND		ug/kg	2.2	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	--	1
Styrene	ND		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	5.5	--	1
Acetone	ND		ug/kg	20	--	1
Carbon disulfide	ND		ug/kg	2.2	--	1
2-Butanone	ND		ug/kg	5.5	--	1
4-Methyl-2-pentanone	ND		ug/kg	5.5	--	1
2-Hexanone	ND		ug/kg	5.5	--	1
Bromochloromethane	ND		ug/kg	2.2	--	1
Tetrahydrofuran	ND		ug/kg	2.2	--	1
2,2-Dichloropropane	ND		ug/kg	2.8	--	1
1,2-Dibromoethane	ND		ug/kg	2.2	--	1
1,3-Dichloropropane	ND		ug/kg	2.2	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	--	1
Bromobenzene	ND		ug/kg	2.8	--	1
n-Butylbenzene	ND		ug/kg	0.55	--	1
sec-Butylbenzene	ND		ug/kg	0.55	--	1
tert-Butylbenzene	ND		ug/kg	2.2	--	1
o-Chlorotoluene	ND		ug/kg	2.2	--	1
p-Chlorotoluene	ND		ug/kg	2.2	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.2	--	1
Hexachlorobutadiene	ND		ug/kg	2.2	--	1
Isopropylbenzene	ND		ug/kg	0.55	--	1
p-Isopropyltoluene	ND		ug/kg	0.55	--	1
Naphthalene	ND		ug/kg	2.2	--	1
n-Propylbenzene	ND		ug/kg	0.55	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	--	1
Ethyl ether	ND		ug/kg	2.8	--	1
Isopropyl Ether	ND		ug/kg	2.2	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.2	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.2	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-09 R
Client ID: NS-4 0-10' (VOC 3.5')
Sample Location: NEW BEDFORD, MA

Date Collected: 11/22/11 14:30
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	22	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	**142**	Q	70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	**137**	Q	70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-10 D	Date Collected:	11/22/11 15:20
Client ID:	NS-1 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	11/30/11 17:24		
Analyst:	BN		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4100	--	5
1,1-Dichloroethane	ND		ug/kg	620	--	5
Chloroform	ND		ug/kg	620	--	5
Carbon tetrachloride	ND		ug/kg	410	--	5
1,2-Dichloropropane	ND		ug/kg	1400	--	5
Dibromochloromethane	ND		ug/kg	410	--	5
1,1,2-Trichloroethane	ND		ug/kg	620	--	5
Tetrachloroethene	ND		ug/kg	410	--	5
Chlorobenzene	ND		ug/kg	410	--	5
Trichlorofluoromethane	ND		ug/kg	1600	--	5
1,2-Dichloroethane	ND		ug/kg	410	--	5
1,1,1-Trichloroethane	ND		ug/kg	410	--	5
Bromodichloromethane	ND		ug/kg	410	--	5
trans-1,3-Dichloropropene	ND		ug/kg	410	--	5
cis-1,3-Dichloropropene	ND		ug/kg	410	--	5
1,1-Dichloropropene	ND		ug/kg	1600	--	5
Bromoform	ND		ug/kg	1600	--	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	410	--	5
Benzene	ND		ug/kg	410	--	5
Toluene	ND		ug/kg	620	--	5
Ethylbenzene	ND		ug/kg	410	--	5
Chloromethane	ND		ug/kg	1600	--	5
Bromomethane	ND		ug/kg	820	--	5
Vinyl chloride	ND		ug/kg	820	--	5
Chloroethane	ND		ug/kg	820	--	5
1,1-Dichloroethene	ND		ug/kg	410	--	5
trans-1,2-Dichloroethene	ND		ug/kg	620	--	5
Trichloroethene	ND		ug/kg	410	--	5
1,2-Dichlorobenzene	ND		ug/kg	1600	--	5
1,3-Dichlorobenzene	ND		ug/kg	1600	--	5
1,4-Dichlorobenzene	ND		ug/kg	1600	--	5

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-10 D Date Collected: 11/22/11 15:20

Client ID: NS-1 0-10' (VOC 2') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	820	--	5
p/m-Xylene	ND		ug/kg	820	--	5
o-Xylene	ND		ug/kg	820	--	5
cis-1,2-Dichloroethene	ND		ug/kg	410	--	5
Dibromomethane	ND		ug/kg	1600	--	5
1,2,3-Trichloropropane	ND		ug/kg	1600	--	5
Styrene	ND		ug/kg	820	--	5
Dichlorodifluoromethane	ND		ug/kg	4100	--	5
Acetone	ND		ug/kg	15000	--	5
Carbon disulfide	ND		ug/kg	1600	--	5
2-Butanone	ND		ug/kg	4100	--	5
4-Methyl-2-pentanone	ND		ug/kg	4100	--	5
2-Hexanone	ND		ug/kg	4100	--	5
Bromochloromethane	ND		ug/kg	1600	--	5
Tetrahydrofuran	ND		ug/kg	1600	--	5
2,2-Dichloropropane	ND		ug/kg	2000	--	5
1,2-Dibromoethane	ND		ug/kg	1600	--	5
1,3-Dichloropropane	ND		ug/kg	1600	--	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	410	--	5
Bromobenzene	ND		ug/kg	2000	--	5
n-Butylbenzene	ND		ug/kg	410	--	5
sec-Butylbenzene	ND		ug/kg	410	--	5
tert-Butylbenzene	ND		ug/kg	1600	--	5
o-Chlorotoluene	ND		ug/kg	1600	--	5
p-Chlorotoluene	ND		ug/kg	1600	--	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	1600	--	5
Hexachlorobutadiene	ND		ug/kg	1600	--	5
Isopropylbenzene	ND		ug/kg	410	--	5
p-Isopropyltoluene	ND		ug/kg	410	--	5
Naphthalene	42000		ug/kg	1600	--	5
n-Propylbenzene	ND		ug/kg	410	--	5
1,2,3-Trichlorobenzene	ND		ug/kg	1600	--	5
1,2,4-Trichlorobenzene	ND		ug/kg	1600	--	5
1,3,5-Trimethylbenzene	ND		ug/kg	1600	--	5
1,2,4-Trimethylbenzene	ND		ug/kg	1600	--	5
Ethyl ether	ND		ug/kg	2000	--	5
Isopropyl Ether	ND		ug/kg	1600	--	5
Ethyl-Tert-Butyl-Ether	ND		ug/kg	1600	--	5
Tertiary-Amyl Methyl Ether	ND		ug/kg	1600	--	5

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-10 D	Date Collected:	11/22/11 15:20
Client ID:	NS-1 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	41000	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	111		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-11	Date Collected:	11/22/11 16:00
Client ID:	NS-2 0-10' (VOC 6')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	11/30/11 16:26		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	--	1
1,1-Dichloroethane	ND		ug/kg	0.92	--	1
Chloroform	ND		ug/kg	0.92	--	1
Carbon tetrachloride	ND		ug/kg	0.61	--	1
1,2-Dichloropropane	ND		ug/kg	2.1	--	1
Dibromochloromethane	ND		ug/kg	0.61	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	--	1
Tetrachloroethene	ND		ug/kg	0.61	--	1
Chlorobenzene	ND		ug/kg	0.61	--	1
Trichlorofluoromethane	ND		ug/kg	2.4	--	1
1,2-Dichloroethane	ND		ug/kg	0.61	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	--	1
Bromodichloromethane	ND		ug/kg	0.61	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.61	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	--	1
1,1-Dichloropropene	ND		ug/kg	2.4	--	1
Bromoform	ND		ug/kg	2.4	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	--	1
Benzene	ND		ug/kg	0.61	--	1
Toluene	ND		ug/kg	0.92	--	1
Ethylbenzene	ND		ug/kg	0.61	--	1
Chloromethane	ND		ug/kg	2.4	--	1
Bromomethane	ND		ug/kg	1.2	--	1
Vinyl chloride	ND		ug/kg	1.2	--	1
Chloroethane	ND		ug/kg	1.2	--	1
1,1-Dichloroethene	ND		ug/kg	0.61	--	1
trans-1,2-Dichloroethene	ND		ug/kg	0.92	--	1
Trichloroethene	ND		ug/kg	0.61	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-11 Date Collected: 11/22/11 16:00

Client ID: NS-2 0-10' (VOC 6') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.2	--	1
p/m-Xylene	ND		ug/kg	1.2	--	1
o-Xylene	ND		ug/kg	1.2	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.61	--	1
Dibromomethane	ND		ug/kg	2.4	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	--	1
Styrene	ND		ug/kg	1.2	--	1
Dichlorodifluoromethane	ND		ug/kg	6.1	--	1
Acetone	91		ug/kg	22	--	1
Carbon disulfide	ND		ug/kg	2.4	--	1
2-Butanone	21		ug/kg	6.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.1	--	1
2-Hexanone	ND		ug/kg	6.1	--	1
Bromochloromethane	ND		ug/kg	2.4	--	1
Tetrahydrofuran	ND		ug/kg	2.4	--	1
2,2-Dichloropropane	ND		ug/kg	3.0	--	1
1,2-Dibromoethane	ND		ug/kg	2.4	--	1
1,3-Dichloropropane	ND		ug/kg	2.4	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	--	1
Bromobenzene	ND		ug/kg	3.0	--	1
n-Butylbenzene	ND		ug/kg	0.61	--	1
sec-Butylbenzene	ND		ug/kg	0.61	--	1
tert-Butylbenzene	ND		ug/kg	2.4	--	1
o-Chlorotoluene	ND		ug/kg	2.4	--	1
p-Chlorotoluene	ND		ug/kg	2.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	--	1
Hexachlorobutadiene	ND		ug/kg	2.4	--	1
Isopropylbenzene	ND		ug/kg	0.61	--	1
p-Isopropyltoluene	ND		ug/kg	0.61	--	1
Naphthalene	ND		ug/kg	2.4	--	1
n-Propylbenzene	ND		ug/kg	0.61	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	--	1
Ethyl ether	ND		ug/kg	3.0	--	1
Isopropyl Ether	ND		ug/kg	2.4	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.4	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.4	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-11	Date Collected:	11/22/11 16:00
Client ID:	NS-2 0-10' (VOC 6')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	24	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	125		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	117		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-11 R	Date Collected:	11/22/11 16:00
Client ID:	NS-2 0-10' (VOC 6')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	12/01/11 15:48		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.4	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.1	--	1
Carbon tetrachloride	ND		ug/kg	0.74	--	1
1,2-Dichloropropane	ND		ug/kg	2.6	--	1
Dibromochloromethane	ND		ug/kg	0.74	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.74	--	1
Chlorobenzene	ND		ug/kg	0.74	--	1
Trichlorofluoromethane	ND		ug/kg	3.0	--	1
1,2-Dichloroethane	ND		ug/kg	0.74	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.74	--	1
Bromodichloromethane	ND		ug/kg	0.74	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.74	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.74	--	1
1,1-Dichloropropene	ND		ug/kg	3.0	--	1
Bromoform	ND		ug/kg	3.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.74	--	1
Benzene	ND		ug/kg	0.74	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	0.74	--	1
Chloromethane	ND		ug/kg	3.0	--	1
Bromomethane	ND		ug/kg	1.5	--	1
Vinyl chloride	ND		ug/kg	1.5	--	1
Chloroethane	ND		ug/kg	1.5	--	1
1,1-Dichloroethene	ND		ug/kg	0.74	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
Trichloroethene	ND		ug/kg	0.74	--	1
1,2-Dichlorobenzene	ND		ug/kg	3.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	3.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	3.0	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-11 R Date Collected: 11/22/11 16:00

Client ID: NS-2 0-10' (VOC 6') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.5	--	1
p/m-Xylene	ND		ug/kg	1.5	--	1
o-Xylene	ND		ug/kg	1.5	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.74	--	1
Dibromomethane	ND		ug/kg	3.0	--	1
1,2,3-Trichloropropane	ND		ug/kg	3.0	--	1
Styrene	ND		ug/kg	1.5	--	1
Dichlorodifluoromethane	ND		ug/kg	7.4	--	1
Acetone	110		ug/kg	27	--	1
Carbon disulfide	ND		ug/kg	3.0	--	1
2-Butanone	ND		ug/kg	7.4	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.4	--	1
2-Hexanone	ND		ug/kg	7.4	--	1
Bromochloromethane	ND		ug/kg	3.0	--	1
Tetrahydrofuran	ND		ug/kg	3.0	--	1
2,2-Dichloropropane	ND		ug/kg	3.7	--	1
1,2-Dibromoethane	ND		ug/kg	3.0	--	1
1,3-Dichloropropane	ND		ug/kg	3.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.74	--	1
Bromobenzene	ND		ug/kg	3.7	--	1
n-Butylbenzene	ND		ug/kg	0.74	--	1
sec-Butylbenzene	ND		ug/kg	0.74	--	1
tert-Butylbenzene	ND		ug/kg	3.0	--	1
o-Chlorotoluene	ND		ug/kg	3.0	--	1
p-Chlorotoluene	ND		ug/kg	3.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Hexachlorobutadiene	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	0.74	--	1
p-Isopropyltoluene	ND		ug/kg	0.74	--	1
Naphthalene	ND		ug/kg	3.0	--	1
n-Propylbenzene	ND		ug/kg	0.74	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.0	--	1
Ethyl ether	ND		ug/kg	3.7	--	1
Isopropyl Ether	ND		ug/kg	3.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.0	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-11 R	Date Collected:	11/22/11 16:00
Client ID:	NS-2 0-10' (VOC 6')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	30	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	113		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-12	Date Collected:	11/22/11 14:00
Client ID:	NS-10 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	11/30/11 16:55		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.70	--	1
1,2-Dichloropropane	ND		ug/kg	2.5	--	1
Dibromochloromethane	ND		ug/kg	0.70	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.70	--	1
Chlorobenzene	ND		ug/kg	0.70	--	1
Trichlorofluoromethane	ND		ug/kg	2.8	--	1
1,2-Dichloroethane	ND		ug/kg	0.70	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.70	--	1
Bromodichloromethane	ND		ug/kg	0.70	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.70	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.70	--	1
1,1-Dichloropropene	ND		ug/kg	2.8	--	1
Bromoform	ND		ug/kg	2.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.70	--	1
Benzene	ND		ug/kg	0.70	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	0.70	--	1
Chloromethane	ND		ug/kg	2.8	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	1.4	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.70	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Trichloroethene	ND		ug/kg	0.70	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.8	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.8	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-12 Date Collected: 11/22/11 14:00

Client ID: NS-10 0-10' (VOC 2') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	1.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.70	--	1
Dibromomethane	ND		ug/kg	2.8	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.8	--	1
Styrene	ND		ug/kg	1.4	--	1
Dichlorodifluoromethane	ND		ug/kg	7.0	--	1
Acetone	100		ug/kg	25	--	1
Carbon disulfide	ND		ug/kg	2.8	--	1
2-Butanone	12		ug/kg	7.0	--	1
4-Methyl-2-pentanone	ND		ug/kg	7.0	--	1
2-Hexanone	ND		ug/kg	7.0	--	1
Bromochloromethane	ND		ug/kg	2.8	--	1
Tetrahydrofuran	ND		ug/kg	2.8	--	1
2,2-Dichloropropane	ND		ug/kg	3.5	--	1
1,2-Dibromoethane	ND		ug/kg	2.8	--	1
1,3-Dichloropropane	ND		ug/kg	2.8	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.70	--	1
Bromobenzene	ND		ug/kg	3.5	--	1
n-Butylbenzene	ND		ug/kg	0.70	--	1
sec-Butylbenzene	ND		ug/kg	0.70	--	1
tert-Butylbenzene	ND		ug/kg	2.8	--	1
o-Chlorotoluene	ND		ug/kg	2.8	--	1
p-Chlorotoluene	ND		ug/kg	2.8	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	--	1
Hexachlorobutadiene	ND		ug/kg	2.8	--	1
Isopropylbenzene	ND		ug/kg	0.70	--	1
p-Isopropyltoluene	ND		ug/kg	0.70	--	1
Naphthalene	ND		ug/kg	2.8	--	1
n-Propylbenzene	ND		ug/kg	0.70	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.8	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.8	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.8	--	1
Ethyl ether	ND		ug/kg	3.5	--	1
Isopropyl Ether	ND		ug/kg	2.8	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.8	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.8	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-12	Date Collected:	11/22/11 14:00
Client ID:	NS-10 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	28	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**133**	Q	70-130
Toluene-d8	**143**	Q	70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	**143**	Q	70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-12 R	Date Collected:	11/22/11 14:00
Client ID:	NS-10 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	12/01/11 16:17		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.0	--	1
Carbon tetrachloride	ND		ug/kg	0.68	--	1
1,2-Dichloropropane	ND		ug/kg	2.4	--	1
Dibromochloromethane	ND		ug/kg	0.68	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.68	--	1
Chlorobenzene	ND		ug/kg	0.68	--	1
Trichlorofluoromethane	ND		ug/kg	2.7	--	1
1,2-Dichloroethane	ND		ug/kg	0.68	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	--	1
Bromodichloromethane	ND		ug/kg	0.68	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.68	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	--	1
1,1-Dichloropropene	ND		ug/kg	2.7	--	1
Bromoform	ND		ug/kg	2.7	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	--	1
Benzene	ND		ug/kg	0.68	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	0.68	--	1
Chloromethane	ND		ug/kg	2.7	--	1
Bromomethane	ND		ug/kg	1.4	--	1
Vinyl chloride	ND		ug/kg	1.4	--	1
Chloroethane	ND		ug/kg	1.4	--	1
1,1-Dichloroethene	ND		ug/kg	0.68	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Trichloroethene	ND		ug/kg	0.68	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	--	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-12 R Date Collected: 11/22/11 14:00

Client ID: NS-10 0-10' (VOC 2') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	1.4	--	1
p/m-Xylene	ND		ug/kg	1.4	--	1
o-Xylene	ND		ug/kg	1.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.68	--	1
Dibromomethane	ND		ug/kg	2.7	--	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	--	1
Styrene	ND		ug/kg	1.4	--	1
Dichlorodifluoromethane	ND		ug/kg	6.8	--	1
Acetone	47		ug/kg	25	--	1
Carbon disulfide	ND		ug/kg	2.7	--	1
2-Butanone	ND		ug/kg	6.8	--	1
4-Methyl-2-pentanone	ND		ug/kg	6.8	--	1
2-Hexanone	ND		ug/kg	6.8	--	1
Bromochloromethane	ND		ug/kg	2.7	--	1
Tetrahydrofuran	ND		ug/kg	2.7	--	1
2,2-Dichloropropane	ND		ug/kg	3.4	--	1
1,2-Dibromoethane	ND		ug/kg	2.7	--	1
1,3-Dichloropropane	ND		ug/kg	2.7	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.68	--	1
Bromobenzene	ND		ug/kg	3.4	--	1
n-Butylbenzene	ND		ug/kg	0.68	--	1
sec-Butylbenzene	ND		ug/kg	0.68	--	1
tert-Butylbenzene	ND		ug/kg	2.7	--	1
o-Chlorotoluene	ND		ug/kg	2.7	--	1
p-Chlorotoluene	ND		ug/kg	2.7	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	--	1
Hexachlorobutadiene	ND		ug/kg	2.7	--	1
Isopropylbenzene	ND		ug/kg	0.68	--	1
p-Isopropyltoluene	ND		ug/kg	0.68	--	1
Naphthalene	ND		ug/kg	2.7	--	1
n-Propylbenzene	ND		ug/kg	0.68	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	--	1
Ethyl ether	ND		ug/kg	3.4	--	1
Isopropyl Ether	ND		ug/kg	2.7	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	2.7	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	2.7	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-12 R	Date Collected:	11/22/11 14:00
Client ID:	NS-10 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab						
1,4-Dioxane	ND		ug/kg	27	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	**148**	Q	70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	**139**	Q	70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-13	Date Collected:	11/22/11 00:00
Client ID:	TRIP BLANK	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	11/30/11 10:29		
Analyst:	BN		
Percent Solids:	Results reported on an 'AS RECEIVED' basis.		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	--	1
1,1-Dichloroethane	ND		ug/kg	1.5	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	3.5	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	--	1
Tetrachloroethene	ND		ug/kg	1.0	--	1
Chlorobenzene	ND		ug/kg	1.0	--	1
Trichlorofluoromethane	ND		ug/kg	5.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	--	1
Bromodichloromethane	ND		ug/kg	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
1,1-Dichloropropene	ND		ug/kg	5.0	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Benzene	ND		ug/kg	1.0	--	1
Toluene	ND		ug/kg	1.5	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	5.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	2.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
Trichloroethene	ND		ug/kg	1.0	--	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	--	1
1,3-Dichlorobenzene	ND		ug/kg	5.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-13 Date Collected: 11/22/11 00:00

Client ID: TRIP BLANK Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	2.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Dibromomethane	ND		ug/kg	10	--	1
1,4-Dichlorobutane	ND		ug/kg	10	--	1
1,2,3-Trichloropropane	ND		ug/kg	10	--	1
Styrene	ND		ug/kg	2.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	36	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	ND		ug/kg	10	--	1
Vinyl acetate	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Ethyl methacrylate	ND		ug/kg	10	--	1
Acrylonitrile	ND		ug/kg	4.0	--	1
Bromochloromethane	ND		ug/kg	5.0	--	1
Tetrahydrofuran	ND		ug/kg	20	--	1
2,2-Dichloropropane	ND		ug/kg	5.0	--	1
1,2-Dibromoethane	ND		ug/kg	4.0	--	1
1,3-Dichloropropane	ND		ug/kg	5.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--	1
Bromobenzene	ND		ug/kg	5.0	--	1
n-Butylbenzene	ND		ug/kg	1.0	--	1
sec-Butylbenzene	ND		ug/kg	1.0	--	1
tert-Butylbenzene	ND		ug/kg	5.0	--	1
o-Chlorotoluene	ND		ug/kg	5.0	--	1
p-Chlorotoluene	ND		ug/kg	5.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--	1
Hexachlorobutadiene	ND		ug/kg	5.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
p-Isopropyltoluene	ND		ug/kg	1.0	--	1
Naphthalene	ND		ug/kg	5.0	--	1
n-Propylbenzene	ND		ug/kg	1.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-13	Date Collected:	11/22/11 00:00
Client ID:	TRIP BLANK	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS-5035 - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--	1
Ethyl ether	ND		ug/kg	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	90		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-13	Date Collected:	11/22/11 00:00
Client ID:	TRIP BLANK	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260B		
Analytical Date:	11/30/11 12:52		
Analyst:	BN		
Percent Solids:	Results reported on an 'AS RECEIVED' basis.		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	500	--	1
1,1-Dichloroethane	ND		ug/kg	75	--	1
Chloroform	ND		ug/kg	75	--	1
Carbon tetrachloride	ND		ug/kg	50	--	1
1,2-Dichloropropane	ND		ug/kg	180	--	1
Dibromochloromethane	ND		ug/kg	50	--	1
1,1,2-Trichloroethane	ND		ug/kg	75	--	1
Tetrachloroethene	ND		ug/kg	50	--	1
Chlorobenzene	ND		ug/kg	50	--	1
Trichlorofluoromethane	ND		ug/kg	250	--	1
1,2-Dichloroethane	ND		ug/kg	50	--	1
1,1,1-Trichloroethane	ND		ug/kg	50	--	1
Bromodichloromethane	ND		ug/kg	50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	50	--	1
cis-1,3-Dichloropropene	ND		ug/kg	50	--	1
1,1-Dichloropropene	ND		ug/kg	250	--	1
Bromoform	ND		ug/kg	200	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--	1
Benzene	ND		ug/kg	50	--	1
Toluene	ND		ug/kg	75	--	1
Ethylbenzene	ND		ug/kg	50	--	1
Chloromethane	ND		ug/kg	250	--	1
Bromomethane	ND		ug/kg	100	--	1
Vinyl chloride	ND		ug/kg	100	--	1
Chloroethane	ND		ug/kg	100	--	1
1,1-Dichloroethene	ND		ug/kg	50	--	1
trans-1,2-Dichloroethene	ND		ug/kg	75	--	1
Trichloroethene	ND		ug/kg	50	--	1
1,2-Dichlorobenzene	ND		ug/kg	250	--	1
1,3-Dichlorobenzene	ND		ug/kg	250	--	1
1,4-Dichlorobenzene	ND		ug/kg	250	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-13 Date Collected: 11/22/11 00:00

Client ID: TRIP BLANK Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	100	--	1
p/m-Xylene	ND		ug/kg	100	--	1
o-Xylene	ND		ug/kg	100	--	1
cis-1,2-Dichloroethene	ND		ug/kg	50	--	1
Dibromomethane	ND		ug/kg	500	--	1
1,4-Dichlorobutane	ND		ug/kg	500	--	1
1,2,3-Trichloropropane	ND		ug/kg	500	--	1
Styrene	ND		ug/kg	100	--	1
Dichlorodifluoromethane	ND		ug/kg	500	--	1
Acetone	ND		ug/kg	1800	--	1
Carbon disulfide	ND		ug/kg	500	--	1
2-Butanone	ND		ug/kg	500	--	1
Vinyl acetate	ND		ug/kg	500	--	1
4-Methyl-2-pentanone	ND		ug/kg	500	--	1
2-Hexanone	ND		ug/kg	500	--	1
Ethyl methacrylate	ND		ug/kg	500	--	1
Acrylonitrile	ND		ug/kg	200	--	1
Bromochloromethane	ND		ug/kg	250	--	1
Tetrahydrofuran	ND		ug/kg	1000	--	1
2,2-Dichloropropane	ND		ug/kg	250	--	1
1,2-Dibromoethane	ND		ug/kg	200	--	1
1,3-Dichloropropane	ND		ug/kg	250	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--	1
Bromobenzene	ND		ug/kg	250	--	1
n-Butylbenzene	ND		ug/kg	50	--	1
sec-Butylbenzene	ND		ug/kg	50	--	1
tert-Butylbenzene	ND		ug/kg	250	--	1
o-Chlorotoluene	ND		ug/kg	250	--	1
p-Chlorotoluene	ND		ug/kg	250	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	--	1
Hexachlorobutadiene	ND		ug/kg	250	--	1
Isopropylbenzene	ND		ug/kg	50	--	1
p-Isopropyltoluene	ND		ug/kg	50	--	1
Naphthalene	ND		ug/kg	250	--	1
n-Propylbenzene	ND		ug/kg	50	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	250	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	250	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	250	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	250	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-13	Date Collected:	11/22/11 00:00
Client ID:	TRIP BLANK	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	--	1
Ethyl ether	ND		ug/kg	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	89		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 11/30/11 09:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-02,13 Batch: WG505483-3					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
2-Chloroethylvinyl ether	ND		ug/kg	20	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	5.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	5.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	5.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--
1,2-Dichlorobenzene	ND		ug/kg	5.0	--
1,3-Dichlorobenzene	ND		ug/kg	5.0	--

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 11/30/11 09:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-02,13 Batch: WG505483-3					
1,4-Dichlorobenzene	ND		ug/kg	5.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	10	--
1,4-Dichlorobutane	ND		ug/kg	10	--
1,2,3-Trichloropropane	ND		ug/kg	10	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
Vinyl acetate	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Ethyl methacrylate	ND		ug/kg	10	--
Acrolein	ND		ug/kg	25	--
Acrylonitrile	ND		ug/kg	4.0	--
Bromochloromethane	ND		ug/kg	5.0	--
Tetrahydrofuran	ND		ug/kg	20	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	5.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	5.0	--
1,3,5-Trichlorobenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	5.0	--

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 11/30/11 09:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS-5035 - Westborough Lab for sample(s): 01-02,13 Batch: WG505483-3					
p-Chlorotoluene	ND		ug/kg	5.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	--
Hexachlorobutadiene	ND		ug/kg	5.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--
Naphthalene	ND		ug/kg	5.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	--
Ethyl ether	ND		ug/kg	5.0	--
Methyl Acetate	ND		ug/kg	20	--
Ethyl Acetate	ND		ug/kg	20	--
Isopropyl Ether	ND		ug/kg	4.0	--
Cyclohexane	ND		ug/kg	20	--
Tert-Butyl Alcohol	ND		ug/kg	100	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	100	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 11/30/11 09:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 13 Batch: WG505484-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
2-Chloroethylvinyl ether	ND		ug/kg	1000	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	250	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	250	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	250	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	250	--
1,3-Dichlorobenzene	ND		ug/kg	250	--

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 11/30/11 09:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 13 Batch: WG505484-3					
1,4-Dichlorobenzene	ND		ug/kg	250	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	500	--
1,4-Dichlorobutane	ND		ug/kg	500	--
1,2,3-Trichloropropane	ND		ug/kg	500	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	500	--
2-Butanone	ND		ug/kg	500	--
Vinyl acetate	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Ethyl methacrylate	ND		ug/kg	500	--
Acrolein	ND		ug/kg	1200	--
Acrylonitrile	ND		ug/kg	200	--
Bromochloromethane	ND		ug/kg	250	--
Tetrahydrofuran	ND		ug/kg	1000	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	250	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	250	--
Trichlorobenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	250	--

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 11/30/11 09:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 13 Batch: WG505484-3					
p-Chlorotoluene	ND		ug/kg	250	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	--
Hexachlorobutadiene	ND		ug/kg	250	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	250	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	250	--
1,2,4-Trichlorobenzene	ND		ug/kg	250	--
1,3,5-Trimethylbenzene	ND		ug/kg	250	--
1,2,4-Trimethylbenzene	ND		ug/kg	250	--
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	--
Ethyl ether	ND		ug/kg	250	--
Methyl Acetate	ND		ug/kg	1000	--
Ethyl Acetate	ND		ug/kg	1000	--
Isopropyl Ether	ND		ug/kg	200	--
Cyclohexane	ND		ug/kg	1000	--
tert-Butyl Alcohol	ND		ug/kg	5000	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--
Methyl cyclohexane	ND		ug/kg	200	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	1000	--
1,4-Diethylbenzene	ND		ug/kg	200	--
4-Ethyltoluene	ND		ug/kg	200	--
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	--

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260B
Analytical Date: 11/30/11 09:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 13 Batch: WG505484-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 11/30/11 10:02
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 10 Batch: WG505492-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--
1,4-Dichlorobenzene	ND		ug/kg	200	--

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 11/30/11 10:02
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 10 Batch: WG505492-3					
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 11/30/11 10:02
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 10 Batch: WG505492-3					
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Ethyl ether	ND		ug/kg	250	--
Isopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 11/30/11 10:02
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 04-09,11-12 Batch: WG505778-3					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 11/30/11 10:02
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 04-09,11-12 Batch: WG505778-3					
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 11/30/11 10:02
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 04-09,11-12 Batch: WG505778-3					
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
Ethyl ether	ND		ug/kg	5.0	--
Isopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 12/01/11 11:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 04-09,11-12 Batch: WG505778-6					
Methylene chloride	ND		ug/kg	10	--
1,1-Dichloroethane	ND		ug/kg	1.5	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	3.5	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.5	--
Tetrachloroethene	ND		ug/kg	1.0	--
Chlorobenzene	ND		ug/kg	1.0	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	1.0	--
Bromodichloromethane	ND		ug/kg	1.0	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	1.0	--
1,1-Dichloropropene	ND		ug/kg	4.0	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	--
Benzene	ND		ug/kg	1.0	--
Toluene	ND		ug/kg	1.5	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	2.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	1.0	--
1,2-Dichlorobenzene	ND		ug/kg	4.0	--
1,3-Dichlorobenzene	ND		ug/kg	4.0	--

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 12/01/11 11:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 04-09,11-12 Batch: WG505778-6					
1,4-Dichlorobenzene	ND		ug/kg	4.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	2.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
Dibromomethane	ND		ug/kg	4.0	--
1,2,3-Trichloropropane	ND		ug/kg	4.0	--
Styrene	ND		ug/kg	2.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	36	--
Carbon disulfide	ND		ug/kg	4.0	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	4.0	--
Tetrahydrofuran	ND		ug/kg	4.0	--
2,2-Dichloropropane	ND		ug/kg	5.0	--
1,2-Dibromoethane	ND		ug/kg	4.0	--
1,3-Dichloropropane	ND		ug/kg	4.0	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	--
Bromobenzene	ND		ug/kg	5.0	--
n-Butylbenzene	ND		ug/kg	1.0	--
sec-Butylbenzene	ND		ug/kg	1.0	--
tert-Butylbenzene	ND		ug/kg	4.0	--
o-Chlorotoluene	ND		ug/kg	4.0	--
p-Chlorotoluene	ND		ug/kg	4.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	--
Hexachlorobutadiene	ND		ug/kg	4.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
p-Isopropyltoluene	ND		ug/kg	1.0	--

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 12/01/11 11:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 04-09,11-12 Batch: WG505778-6					
Naphthalene	ND		ug/kg	4.0	--
n-Propylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	--
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	--
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	--
Ethyl ether	ND		ug/kg	5.0	--
Isopropyl Ether	ND		ug/kg	4.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	--
1,4-Dioxane	ND		ug/kg	40	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS-5035 - Westborough Lab Associated sample(s): 01-02,13 Batch: WG505483-1 WG505483-2								
Chlorobenzene	103		100		75-125	3		30
Benzene	106		101		75-125	5		30
Toluene	101		97		75-125	4		30
1,1-Dichloroethene	96		92		65-135	4		30
Trichloroethene	105		98		75-125	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		105		70-130
Toluene-d8	102		99		70-130
4-Bromofluorobenzene	104		100		70-130
Dibromofluoromethane	107		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 13 Batch: WG505484-1 WG505484-2								
Chlorobenzene	103		100		75-125	3		30
Benzene	106		101		75-125	5		30
Toluene	101		97		75-125	4		30
1,1-Dichloroethene	96		92		65-135	4		30
Trichloroethene	105		98		75-125	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		105		70-130
Toluene-d8	102		99		70-130
4-Bromofluorobenzene	104		100		70-130
Dibromofluoromethane	107		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 10 Batch: WG505492-1 WG505492-2								
Methylene chloride	101		101		70-130	0		20
1,1-Dichloroethane	108		107		70-130	1		20
Chloroform	108		107		70-130	1		20
Carbon tetrachloride	118		115		70-130	3		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	98		99		70-130	1		20
1,1,2-Trichloroethane	96		96		70-130	0		20
Tetrachloroethene	104		99		70-130	5		20
Chlorobenzene	96		94		70-130	2		20
Trichlorofluoromethane	**140**	Q	**131**	Q	70-130	7		20
1,2-Dichloroethane	120		117		70-130	3		20
1,1,1-Trichloroethane	118		113		70-130	4		20
Bromodichloromethane	107		109		70-130	2		20
trans-1,3-Dichloropropene	101		101		70-130	0		20
cis-1,3-Dichloropropene	104		106		70-130	2		20
1,1-Dichloropropene	106		104		70-130	2		20
Bromoform	86		89		70-130	3		20
1,1,2,2-Tetrachloroethane	88		89		70-130	1		20
Benzene	104		102		70-130	2		20
Toluene	93		91		70-130	2		20
Ethylbenzene	101		98		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 10 Batch: WG505492-1 WG505492-2								
Chloromethane	93		87		70-130	7		20
Bromomethane	123		114		70-130	8		20
Vinyl chloride	97		94		70-130	3		20
Chloroethane	**132**	Q	120		70-130	10		20
1,1-Dichloroethene	103		100		70-130	3		20
trans-1,2-Dichloroethene	103		102		70-130	1		20
Trichloroethene	107		104		70-130	3		20
1,2-Dichlorobenzene	96		95		70-130	1		20
1,3-Dichlorobenzene	99		96		70-130	3		20
1,4-Dichlorobenzene	98		97		70-130	1		20
Methyl tert butyl ether	102		103		70-130	1		20
p/m-Xylene	102		98		70-130	4		20
o-Xylene	102		100		70-130	2		20
cis-1,2-Dichloroethene	106		103		70-130	3		20
Dibromomethane	108		111		70-130	3		20
1,2,3-Trichloropropane	94		98		70-130	4		20
Styrene	104		102		70-130	2		20
Dichlorodifluoromethane	76		70		70-130	8		20
Acetone	101		102		70-130	1		20
Carbon disulfide	91		90		70-130	1		20
2-Butanone	92		92		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 10 Batch: WG505492-1 WG505492-2								
4-Methyl-2-pentanone	95		100		70-130	5		20
2-Hexanone	90		94		70-130	4		20
Bromochloromethane	109		109		70-130	0		20
Tetrahydrofuran	91		93		70-130	2		20
2,2-Dichloropropane	118		116		70-130	2		20
1,2-Dibromoethane	95		96		70-130	1		20
1,3-Dichloropropane	95		96		70-130	1		20
1,1,1,2-Tetrachloroethane	103		102		70-130	1		20
Bromobenzene	94		94		70-130	0		20
n-Butylbenzene	101		98		70-130	3		20
sec-Butylbenzene	97		93		70-130	4		20
tert-Butylbenzene	97		94		70-130	3		20
o-Chlorotoluene	98		96		70-130	2		20
p-Chlorotoluene	98		96		70-130	2		20
1,2-Dibromo-3-chloropropane	96		99		70-130	3		20
Hexachlorobutadiene	96		95		70-130	1		20
Isopropylbenzene	96		94		70-130	2		20
p-Isopropyltoluene	103		99		70-130	4		20
Naphthalene	91		92		70-130	1		20
n-Propylbenzene	98		96		70-130	2		20
1,2,3-Trichlorobenzene	100		99		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 10 Batch: WG505492-1 WG505492-2								
1,2,4-Trichlorobenzene	99		98		70-130	1		20
1,3,5-Trimethylbenzene	99		97		70-130	2		20
1,2,4-Trimethylbenzene	102		99		70-130	3		20
Ethyl ether	103		102		70-130	1		20
Isopropyl Ether	96		96		70-130	0		20
Ethyl-Tert-Butyl-Ether	103		103		70-130	0		20
Tertiary-Amyl Methyl Ether	102		103		70-130	1		20
1,4-Dioxane	107		114		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	117		115		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	111		110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 04-09,11-12 Batch: WG505778-1 WG505778-2								
Methylene chloride	101		101		70-130	0		20
1,1-Dichloroethane	108		107		70-130	1		20
Chloroform	108		107		70-130	1		20
Carbon tetrachloride	118		115		70-130	3		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	98		99		70-130	1		20
1,1,2-Trichloroethane	96		96		70-130	0		20
Tetrachloroethene	104		99		70-130	5		20
Chlorobenzene	96		94		70-130	2		20
Trichlorofluoromethane	**140**	Q	**131**	Q	70-130	7		20
1,2-Dichloroethane	120		117		70-130	3		20
1,1,1-Trichloroethane	118		113		70-130	4		20
Bromodichloromethane	107		109		70-130	2		20
trans-1,3-Dichloropropene	101		101		70-130	0		20
cis-1,3-Dichloropropene	104		106		70-130	2		20
1,1-Dichloropropene	106		104		70-130	2		20
Bromoform	86		89		70-130	3		20
1,1,2,2-Tetrachloroethane	88		89		70-130	1		20
Benzene	104		102		70-130	2		20
Toluene	93		91		70-130	2		20
Ethylbenzene	101		98		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 04-09,11-12 Batch: WG505778-1 WG505778-2								
Chloromethane	93		87		70-130	7		20
Bromomethane	123		114		70-130	8		20
Vinyl chloride	97		94		70-130	3		20
Chloroethane	**132**	Q	120		70-130	10		20
1,1-Dichloroethene	103		100		70-130	3		20
trans-1,2-Dichloroethene	103		102		70-130	1		20
Trichloroethene	107		104		70-130	3		20
1,2-Dichlorobenzene	96		95		70-130	1		20
1,3-Dichlorobenzene	99		96		70-130	3		20
1,4-Dichlorobenzene	98		97		70-130	1		20
Methyl tert butyl ether	102		103		70-130	1		20
p/m-Xylene	102		98		70-130	4		20
o-Xylene	102		100		70-130	2		20
cis-1,2-Dichloroethene	106		103		70-130	3		20
Dibromomethane	108		111		70-130	3		20
1,2,3-Trichloropropane	94		98		70-130	4		20
Styrene	104		102		70-130	2		20
Dichlorodifluoromethane	76		70		70-130	8		20
Acetone	101		102		70-130	1		20
Carbon disulfide	91		90		70-130	1		20
2-Butanone	92		92		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 04-09,11-12 Batch: WG505778-1 WG505778-2								
4-Methyl-2-pentanone	95		100		70-130	5		20
2-Hexanone	90		94		70-130	4		20
Bromochloromethane	109		109		70-130	0		20
Tetrahydrofuran	91		93		70-130	2		20
2,2-Dichloropropane	118		116		70-130	2		20
1,2-Dibromoethane	95		96		70-130	1		20
1,3-Dichloropropane	95		96		70-130	1		20
1,1,1,2-Tetrachloroethane	103		102		70-130	1		20
Bromobenzene	94		94		70-130	0		20
n-Butylbenzene	101		98		70-130	3		20
sec-Butylbenzene	97		93		70-130	4		20
tert-Butylbenzene	97		94		70-130	3		20
o-Chlorotoluene	98		96		70-130	2		20
p-Chlorotoluene	98		96		70-130	2		20
1,2-Dibromo-3-chloropropane	96		99		70-130	3		20
Hexachlorobutadiene	96		95		70-130	1		20
Isopropylbenzene	96		94		70-130	2		20
p-Isopropyltoluene	103		99		70-130	4		20
Naphthalene	91		92		70-130	1		20
n-Propylbenzene	98		96		70-130	2		20
1,2,3-Trichlorobenzene	100		99		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 04-09,11-12 Batch: WG505778-1 WG505778-2								
1,2,4-Trichlorobenzene	99		98		70-130	1		20
1,3,5-Trimethylbenzene	99		97		70-130	2		20
1,2,4-Trimethylbenzene	102		99		70-130	3		20
Ethyl ether	103		102		70-130	1		20
Isopropyl Ether	96		96		70-130	0		20
Ethyl-Tert-Butyl-Ether	103		103		70-130	0		20
Tertiary-Amyl Methyl Ether	102		103		70-130	1		20
1,4-Dioxane	107		114		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	117		115		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	111		110		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 04-09,11-12 Batch: WG505778-4 WG505778-5								
Methylene chloride	95		95		70-130	0		20
1,1-Dichloroethane	98		99		70-130	1		20
Chloroform	99		99		70-130	0		20
Carbon tetrachloride	107		109		70-130	2		20
1,2-Dichloropropane	93		94		70-130	1		20
Dibromochloromethane	91		94		70-130	3		20
1,1,2-Trichloroethane	89		92		70-130	3		20
Tetrachloroethene	96		96		70-130	0		20
Chlorobenzene	89		90		70-130	1		20
Trichlorofluoromethane	122		122		70-130	0		20
1,2-Dichloroethane	108		110		70-130	2		20
1,1,1-Trichloroethane	108		110		70-130	2		20
Bromodichloromethane	99		102		70-130	3		20
trans-1,3-Dichloropropene	96		97		70-130	1		20
cis-1,3-Dichloropropene	99		101		70-130	2		20
1,1-Dichloropropene	97		98		70-130	1		20
Bromoform	80		84		70-130	5		20
1,1,2,2-Tetrachloroethane	79		81		70-130	3		20
Benzene	95		96		70-130	1		20
Toluene	86		86		70-130	0		20
Ethylbenzene	93		93		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 04-09,11-12 Batch: WG505778-4 WG505778-5								
Chloromethane	75		70		70-130	7		20
Bromomethane	112		105		70-130	6		20
Vinyl chloride	88		82		70-130	7		20
Chloroethane	113		112		70-130	1		20
1,1-Dichloroethene	94		93		70-130	1		20
trans-1,2-Dichloroethene	96		95		70-130	1		20
Trichloroethene	97		98		70-130	1		20
1,2-Dichlorobenzene	86		89		70-130	3		20
1,3-Dichlorobenzene	89		91		70-130	2		20
1,4-Dichlorobenzene	89		91		70-130	2		20
Methyl tert butyl ether	90		92		70-130	2		20
p/m-Xylene	93		93		70-130	0		20
o-Xylene	92		92		70-130	0		20
cis-1,2-Dichloroethene	98		99		70-130	1		20
Dibromomethane	102		106		70-130	4		20
1,2,3-Trichloropropane	86		90		70-130	5		20
Styrene	94		94		70-130	0		20
Dichlorodifluoromethane	**54**	Q	**53**	Q	70-130	2		20
Acetone	94		100		70-130	6		20
Carbon disulfide	111		111		70-130	0		20
2-Butanone	93		94		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 04-09,11-12 Batch: WG505778-4 WG505778-5								
4-Methyl-2-pentanone	100		106		70-130	6		20
2-Hexanone	94		96		70-130	2		20
Bromochloromethane	101		103		70-130	2		20
Tetrahydrofuran	76		81		70-130	6		20
2,2-Dichloropropane	111		109		70-130	2		20
1,2-Dibromoethane	90		91		70-130	1		20
1,3-Dichloropropane	89		90		70-130	1		20
1,1,1,2-Tetrachloroethane	94		98		70-130	4		20
Bromobenzene	88		90		70-130	2		20
n-Butylbenzene	91		92		70-130	1		20
sec-Butylbenzene	89		89		70-130	0		20
tert-Butylbenzene	89		90		70-130	1		20
o-Chlorotoluene	89		90		70-130	1		20
p-Chlorotoluene	90		92		70-130	2		20
1,2-Dibromo-3-chloropropane	86		92		70-130	7		20
Hexachlorobutadiene	87		90		70-130	3		20
Isopropylbenzene	88		89		70-130	1		20
p-Isopropyltoluene	94		94		70-130	0		20
Naphthalene	81		85		70-130	5		20
n-Propylbenzene	89		90		70-130	1		20
1,2,3-Trichlorobenzene	87		91		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 04-09,11-12 Batch: WG505778-4 WG505778-5								
1,2,4-Trichlorobenzene	88		92		70-130	4		20
1,3,5-Trimethylbenzene	91		91		70-130	0		20
1,2,4-Trimethylbenzene	93		94		70-130	1		20
Ethyl ether	91		91		70-130	0		20
Isopropyl Ether	81		83		70-130	2		20
Ethyl-Tert-Butyl-Ether	89		91		70-130	2		20
Tertiary-Amyl Methyl Ether	90		91		70-130	1		20
1,4-Dioxane	101		108		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		113		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	109		109		70-130

SEMIVOLATILES

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-01	Date Collected:	11/22/11 10:00
Client ID:	NS-9A 0-1.5 (VOC 0.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3570
Analytical Method:	105,680/8270C-SIM(M)	Extraction Date:	11/29/11 11:41
Analytical Date:	12/05/11 15:55	Cleanup Method1:	EPA 3630
Analyst:	AW	Cleanup Date1:	12/02/11
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs/PCB Congeners by GC/MS - Mansfield Lab						
Naphthalene	ND		ug/kg	8.82	--	1
Acenaphthylene	11.4		ug/kg	8.82	--	1
Acenaphthene	13.7		ug/kg	8.82	--	1
Fluorene	19.2		ug/kg	8.82	--	1
Phenanthrene	383		ug/kg	8.82	--	1
Anthracene	58.0		ug/kg	8.82	--	1
Fluoranthene	1200		ug/kg	8.82	--	1
Pyrene	960		ug/kg	8.82	--	1
Benz(a)anthracene	556		ug/kg	8.82	--	1
Chrysene	682		ug/kg	8.82	--	1
Benzo(b)fluoranthene	750		ug/kg	8.82	--	1
Benzo(k)fluoranthene	556		ug/kg	8.82	--	1
Benzo(a)pyrene	656		ug/kg	8.82	--	1
Indeno(1,2,3-cd)Pyrene	513		ug/kg	8.82	--	1
Dibenz(a,h)anthracene	112		ug/kg	8.82	--	1
Benzo(ghi)perylene	452		ug/kg	8.82	--	1
Cl2-BZ#8	2.45		ug/kg	0.882	--	1
Cl3-BZ#18	9.44		ug/kg	0.882	--	1
Cl3-BZ#28	23.8		ug/kg	0.882	--	1
Cl4-BZ#44	17.3		ug/kg	0.882	--	1
Cl4-BZ#49	52.2		ug/kg	0.882	--	1
Cl4-BZ#52	62.5		ug/kg	0.882	--	1
Cl4-BZ#66	9.64		ug/kg	0.882	--	1
Cl5-BZ#87	5.32		ug/kg	0.882	--	1
Cl5-BZ#101	24.1		ug/kg	0.882	--	1
Cl5-BZ#105	2.92		ug/kg	0.882	--	1
Cl5-BZ#118	16.7		ug/kg	0.882	--	1
Cl6-BZ#128	3.96		ug/kg	0.882	--	1
Cl6-BZ#138	18.9		ug/kg	0.882	--	1
Cl6-BZ#153	16.3		ug/kg	0.882	--	1
Cl7-BZ#170	2.47		ug/kg	0.882	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-01 Date Collected: 11/22/11 10:00

Client ID: NS-9A 0-1.5 (VOC 0.5') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs/PCB Congeners by GC/MS - Mansfield Lab						
Cl7-BZ#180	3.01		ug/kg	0.882	--	1
Cl7-BZ#183	ND		ug/kg	0.882	--	1
Cl7-BZ#184	ND		ug/kg	0.882	--	1
Cl7-BZ#187	2.54		ug/kg	0.882	--	1
Cl8-BZ#195	ND		ug/kg	0.882	--	1
Cl9-BZ#206	ND		ug/kg	0.882	--	1
Cl10-BZ#209	ND		ug/kg	0.882	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	95		30-150
Pyrene-d10	99		30-150
Benzo(b)fluoranthene-d12	103		30-150
DBOB	109		50-125
BZ 198	114		50-125

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-02	Date Collected:	11/22/11 10:15
Client ID:	NS-9B 0-1.5 (VOC 0.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3570
Analytical Method:	105,680/8270C-SIM(M)	Extraction Date:	11/29/11 11:41
Analytical Date:	12/07/11 10:42	Cleanup Method1:	EPA 3630
Analyst:	AW	Cleanup Date1:	12/02/11
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs/PCB Congeners by GC/MS - Mansfield Lab						
Naphthalene	ND		ug/kg	19.1	--	2
Acenaphthylene	ND		ug/kg	19.1	--	2
Acenaphthene	20.8		ug/kg	19.1	--	2
Fluorene	29.3		ug/kg	19.1	--	2
Phenanthrene	504		ug/kg	19.1	--	2
Anthracene	76.4		ug/kg	19.1	--	2
Fluoranthene	1430		ug/kg	19.1	--	2
Pyrene	1110		ug/kg	19.1	--	2
Benz(a)anthracene	618		ug/kg	19.1	--	2
Chrysene	762		ug/kg	19.1	--	2
Benzo(b)fluoranthene	797		ug/kg	19.1	--	2
Benzo(k)fluoranthene	669		ug/kg	19.1	--	2
Benzo(a)pyrene	663		ug/kg	19.1	--	2
Indeno(1,2,3-cd)Pyrene	614		ug/kg	19.1	--	2
Dibenz(a,h)anthracene	132		ug/kg	19.1	--	2
Benzo(ghi)perylene	505		ug/kg	19.1	--	2
Cl2-BZ#8	10.1		ug/kg	1.91	--	2
Cl3-BZ#18	40.2		ug/kg	1.91	--	2
Cl3-BZ#28	134		ug/kg	1.91	--	2
Cl4-BZ#44	66.0		ug/kg	1.91	--	2
Cl4-BZ#49	193		ug/kg	1.91	--	2
Cl4-BZ#52	218		ug/kg	1.91	--	2
Cl4-BZ#66	41.4		ug/kg	1.91	--	2
Cl5-BZ#87	16.6		ug/kg	1.91	--	2
Cl5-BZ#101	101		ug/kg	1.91	--	2
Cl5-BZ#105	12.7		ug/kg	1.91	--	2
Cl5-BZ#118	75.2		ug/kg	1.91	--	2
Cl6-BZ#128	17.0		ug/kg	1.91	--	2
Cl6-BZ#138	67.2		ug/kg	1.91	--	2
Cl6-BZ#153	82.8		ug/kg	1.91	--	2
Cl7-BZ#170	11.8		ug/kg	1.91	--	2

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-02 Date Collected: 11/22/11 10:15

Client ID: NS-9B 0-1.5 (VOC 0.5') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PAHs/PCB Congeners by GC/MS - Mansfield Lab						
Cl7-BZ#180	14.7		ug/kg	1.91	--	2
Cl7-BZ#183	4.88		ug/kg	1.91	--	2
Cl7-BZ#184	ND		ug/kg	1.91	--	2
Cl7-BZ#187	14.7		ug/kg	1.91	--	2
Cl8-BZ#195	2.75		ug/kg	1.91	--	2
Cl9-BZ#206	3.70		ug/kg	1.91	--	2
Cl10-BZ#209	2.53		ug/kg	1.91	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	80		30-150
Pyrene-d10	82		30-150
Benzo(b)fluoranthene-d12	86		30-150
DBOB	105		50-125
BZ 198	114		50-125

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-03	Date Collected:	11/22/11 10:15
Client ID:	NS-9 0.15	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	11/29/11 10:44
Analytical Date:	11/30/11 11:39		
Analyst:	RC		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	320	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	400	--	1
Hexachlorobenzene	ND		ug/kg	240	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	360	--	1
2-Chloronaphthalene	ND		ug/kg	400	--	1
1,2-Dichlorobenzene	ND		ug/kg	400	--	1
1,3-Dichlorobenzene	ND		ug/kg	400	--	1
1,4-Dichlorobenzene	ND		ug/kg	400	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	400	--	1
2,4-Dinitrotoluene	ND		ug/kg	400	--	1
2,6-Dinitrotoluene	ND		ug/kg	400	--	1
Azobenzene	ND		ug/kg	400	--	1
Fluoranthene	ND		ug/kg	240	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	400	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	480	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	430	--	1
Hexachlorobutadiene	ND		ug/kg	400	--	1
Hexachloroethane	ND		ug/kg	320	--	1
Isophorone	ND		ug/kg	360	--	1
Naphthalene	ND		ug/kg	400	--	1
Nitrobenzene	ND		ug/kg	360	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	400	--	1
Butyl benzyl phthalate	ND		ug/kg	400	--	1
Di-n-butylphthalate	ND		ug/kg	400	--	1
Di-n-octylphthalate	ND		ug/kg	400	--	1
Diethyl phthalate	ND		ug/kg	400	--	1
Dimethyl phthalate	ND		ug/kg	400	--	1
Benzo(a)anthracene	ND		ug/kg	240	--	1
Benzo(a)pyrene	ND		ug/kg	320	--	1
Benzo(b)fluoranthene	ND		ug/kg	240	--	1
Benzo(k)fluoranthene	ND		ug/kg	240	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-03 Date Collected: 11/22/11 10:15

Client ID: NS-9 0.15 Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Chrysene	ND		ug/kg	240	--	1
Acenaphthylene	ND		ug/kg	320	--	1
Anthracene	ND		ug/kg	240	--	1
Benzo(ghi)perylene	ND		ug/kg	320	--	1
Fluorene	ND		ug/kg	400	--	1
Phenanthrene	ND		ug/kg	240	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	240	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	320	--	1
Pyrene	ND		ug/kg	240	--	1
Aniline	ND		ug/kg	480	--	1
4-Chloroaniline	ND		ug/kg	400	--	1
Dibenzofuran	ND		ug/kg	400	--	1
2-Methylnaphthalene	ND		ug/kg	480	--	1
Acetophenone	ND		ug/kg	400	--	1
2,4,6-Trichlorophenol	ND		ug/kg	240	--	1
2-Chlorophenol	ND		ug/kg	400	--	1
2,4-Dichlorophenol	ND		ug/kg	360	--	1
2,4-Dimethylphenol	ND		ug/kg	400	--	1
2-Nitrophenol	ND		ug/kg	860	--	1
4-Nitrophenol	ND		ug/kg	560	--	1
2,4-Dinitrophenol	ND		ug/kg	1900	--	1
Pentachlorophenol	ND		ug/kg	790	--	1
Phenol	ND		ug/kg	400	--	1
2-Methylphenol	ND		ug/kg	400	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	570	--	1
2,4,5-Trichlorophenol	ND		ug/kg	400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		30-130
Phenol-d6	83		30-130
Nitrobenzene-d5	80		30-130
2-Fluorobiphenyl	77		30-130
2,4,6-Tribromophenol	83		30-130
4-Terphenyl-d14	88		30-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-04	Date Collected:	11/22/11 10:55
Client ID:	NS-7 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	11/29/11 10:44
Analytical Date:	11/30/11 11:16		
Analyst:	RC		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	310	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	390	--	1
Hexachlorobenzene	ND		ug/kg	230	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	350	--	1
2-Chloronaphthalene	ND		ug/kg	390	--	1
1,2-Dichlorobenzene	ND		ug/kg	390	--	1
1,3-Dichlorobenzene	ND		ug/kg	390	--	1
1,4-Dichlorobenzene	ND		ug/kg	390	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	390	--	1
2,4-Dinitrotoluene	ND		ug/kg	390	--	1
2,6-Dinitrotoluene	ND		ug/kg	390	--	1
Azobenzene	ND		ug/kg	390	--	1
Fluoranthene	ND		ug/kg	230	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	390	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	420	--	1
Hexachlorobutadiene	ND		ug/kg	390	--	1
Hexachloroethane	ND		ug/kg	310	--	1
Isophorone	ND		ug/kg	350	--	1
Naphthalene	ND		ug/kg	390	--	1
Nitrobenzene	ND		ug/kg	350	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	390	--	1
Butyl benzyl phthalate	ND		ug/kg	390	--	1
Di-n-butylphthalate	ND		ug/kg	390	--	1
Di-n-octylphthalate	ND		ug/kg	390	--	1
Diethyl phthalate	ND		ug/kg	390	--	1
Dimethyl phthalate	ND		ug/kg	390	--	1
Benzo(a)anthracene	ND		ug/kg	230	--	1
Benzo(a)pyrene	ND		ug/kg	310	--	1
Benzo(b)fluoranthene	ND		ug/kg	230	--	1
Benzo(k)fluoranthene	ND		ug/kg	230	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-04 Date Collected: 11/22/11 10:55

Client ID: NS-7 0-10' (VOC 2') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Chrysene	ND		ug/kg	230	--	1
Acenaphthylene	ND		ug/kg	310	--	1
Anthracene	ND		ug/kg	230	--	1
Benzo(ghi)perylene	ND		ug/kg	310	--	1
Fluorene	ND		ug/kg	390	--	1
Phenanthrene	ND		ug/kg	230	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	230	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	310	--	1
Pyrene	ND		ug/kg	230	--	1
Aniline	ND		ug/kg	460	--	1
4-Chloroaniline	ND		ug/kg	390	--	1
Dibenzofuran	ND		ug/kg	390	--	1
2-Methylnaphthalene	ND		ug/kg	460	--	1
Acetophenone	ND		ug/kg	390	--	1
2,4,6-Trichlorophenol	ND		ug/kg	230	--	1
2-Chlorophenol	ND		ug/kg	390	--	1
2,4-Dichlorophenol	ND		ug/kg	350	--	1
2,4-Dimethylphenol	ND		ug/kg	390	--	1
2-Nitrophenol	ND		ug/kg	840	--	1
4-Nitrophenol	ND		ug/kg	540	--	1
2,4-Dinitrophenol	ND		ug/kg	1800	--	1
Pentachlorophenol	ND		ug/kg	770	--	1
Phenol	ND		ug/kg	390	--	1
2-Methylphenol	ND		ug/kg	390	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	560	--	1
2,4,5-Trichlorophenol	ND		ug/kg	390	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		30-130
Phenol-d6	72		30-130
Nitrobenzene-d5	64		30-130
2-Fluorobiphenyl	69		30-130
2,4,6-Tribromophenol	70		30-130
4-Terphenyl-d14	76		30-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-05	Date Collected:	11/22/11 11:20
Client ID:	NS-8 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	11/29/11 10:44
Analytical Date:	11/30/11 12:02		
Analyst:	RC		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	290	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	360	--	1
Hexachlorobenzene	ND		ug/kg	220	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	320	--	1
2-Chloronaphthalene	ND		ug/kg	360	--	1
1,2-Dichlorobenzene	ND		ug/kg	360	--	1
1,3-Dichlorobenzene	ND		ug/kg	360	--	1
1,4-Dichlorobenzene	ND		ug/kg	360	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	360	--	1
2,4-Dinitrotoluene	ND		ug/kg	360	--	1
2,6-Dinitrotoluene	ND		ug/kg	360	--	1
Azobenzene	ND		ug/kg	360	--	1
Fluoranthene	ND		ug/kg	220	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	360	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	390	--	1
Hexachlorobutadiene	ND		ug/kg	360	--	1
Hexachloroethane	ND		ug/kg	290	--	1
Isophorone	ND		ug/kg	320	--	1
Naphthalene	ND		ug/kg	360	--	1
Nitrobenzene	ND		ug/kg	320	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	--	1
Butyl benzyl phthalate	ND		ug/kg	360	--	1
Di-n-butylphthalate	ND		ug/kg	360	--	1
Di-n-octylphthalate	ND		ug/kg	360	--	1
Diethyl phthalate	ND		ug/kg	360	--	1
Dimethyl phthalate	ND		ug/kg	360	--	1
Benzo(a)anthracene	ND		ug/kg	220	--	1
Benzo(a)pyrene	ND		ug/kg	290	--	1
Benzo(b)fluoranthene	ND		ug/kg	220	--	1
Benzo(k)fluoranthene	ND		ug/kg	220	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-05 Date Collected: 11/22/11 11:20

Client ID: NS-8 0-10' (VOC 2') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Chrysene	ND		ug/kg	220	--	1
Acenaphthylene	ND		ug/kg	290	--	1
Anthracene	ND		ug/kg	220	--	1
Benzo(ghi)perylene	ND		ug/kg	290	--	1
Fluorene	ND		ug/kg	360	--	1
Phenanthrene	ND		ug/kg	220	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	220	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	290	--	1
Pyrene	ND		ug/kg	220	--	1
Aniline	ND		ug/kg	430	--	1
4-Chloroaniline	ND		ug/kg	360	--	1
Dibenzofuran	ND		ug/kg	360	--	1
2-Methylnaphthalene	ND		ug/kg	430	--	1
Acetophenone	ND		ug/kg	360	--	1
2,4,6-Trichlorophenol	ND		ug/kg	220	--	1
2-Chlorophenol	ND		ug/kg	360	--	1
2,4-Dichlorophenol	ND		ug/kg	320	--	1
2,4-Dimethylphenol	ND		ug/kg	360	--	1
2-Nitrophenol	ND		ug/kg	780	--	1
4-Nitrophenol	ND		ug/kg	510	--	1
2,4-Dinitrophenol	ND		ug/kg	1700	--	1
Pentachlorophenol	ND		ug/kg	720	--	1
Phenol	ND		ug/kg	360	--	1
2-Methylphenol	ND		ug/kg	360	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	--	1
2,4,5-Trichlorophenol	ND		ug/kg	360	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		30-130
Phenol-d6	94		30-130
Nitrobenzene-d5	89		30-130
2-Fluorobiphenyl	88		30-130
2,4,6-Tribromophenol	98		30-130
4-Terphenyl-d14	98		30-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-06	Date Collected:	11/22/11 12:00
Client ID:	NS-5 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	11/29/11 10:44
Analytical Date:	11/30/11 12:25		
Analyst:	RC		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	290	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	360	--	1
Hexachlorobenzene	ND		ug/kg	220	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	320	--	1
2-Chloronaphthalene	ND		ug/kg	360	--	1
1,2-Dichlorobenzene	ND		ug/kg	360	--	1
1,3-Dichlorobenzene	ND		ug/kg	360	--	1
1,4-Dichlorobenzene	ND		ug/kg	360	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	360	--	1
2,4-Dinitrotoluene	ND		ug/kg	360	--	1
2,6-Dinitrotoluene	ND		ug/kg	360	--	1
Azobenzene	ND		ug/kg	360	--	1
Fluoranthene	ND		ug/kg	220	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	360	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	390	--	1
Hexachlorobutadiene	ND		ug/kg	360	--	1
Hexachloroethane	ND		ug/kg	290	--	1
Isophorone	ND		ug/kg	320	--	1
Naphthalene	ND		ug/kg	360	--	1
Nitrobenzene	ND		ug/kg	320	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	--	1
Butyl benzyl phthalate	ND		ug/kg	360	--	1
Di-n-butylphthalate	ND		ug/kg	360	--	1
Di-n-octylphthalate	ND		ug/kg	360	--	1
Diethyl phthalate	ND		ug/kg	360	--	1
Dimethyl phthalate	ND		ug/kg	360	--	1
Benzo(a)anthracene	ND		ug/kg	220	--	1
Benzo(a)pyrene	ND		ug/kg	290	--	1
Benzo(b)fluoranthene	ND		ug/kg	220	--	1
Benzo(k)fluoranthene	ND		ug/kg	220	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-06 Date Collected: 11/22/11 12:00

Client ID: NS-5 0-10' (VOC 2') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Chrysene	ND		ug/kg	220	--	1
Acenaphthylene	ND		ug/kg	290	--	1
Anthracene	ND		ug/kg	220	--	1
Benzo(ghi)perylene	ND		ug/kg	290	--	1
Fluorene	ND		ug/kg	360	--	1
Phenanthrene	ND		ug/kg	220	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	220	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	290	--	1
Pyrene	ND		ug/kg	220	--	1
Aniline	ND		ug/kg	430	--	1
4-Chloroaniline	ND		ug/kg	360	--	1
Dibenzofuran	ND		ug/kg	360	--	1
2-Methylnaphthalene	ND		ug/kg	430	--	1
Acetophenone	ND		ug/kg	360	--	1
2,4,6-Trichlorophenol	ND		ug/kg	220	--	1
2-Chlorophenol	ND		ug/kg	360	--	1
2,4-Dichlorophenol	ND		ug/kg	320	--	1
2,4-Dimethylphenol	ND		ug/kg	360	--	1
2-Nitrophenol	ND		ug/kg	780	--	1
4-Nitrophenol	ND		ug/kg	500	--	1
2,4-Dinitrophenol	ND		ug/kg	1700	--	1
Pentachlorophenol	ND		ug/kg	720	--	1
Phenol	ND		ug/kg	360	--	1
2-Methylphenol	ND		ug/kg	360	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	--	1
2,4,5-Trichlorophenol	ND		ug/kg	360	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		30-130
Phenol-d6	88		30-130
Nitrobenzene-d5	85		30-130
2-Fluorobiphenyl	87		30-130
2,4,6-Tribromophenol	88		30-130
4-Terphenyl-d14	94		30-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-07	Date Collected:	11/22/11 13:08
Client ID:	NS-6 0-8' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	11/29/11 10:44
Analytical Date:	11/30/11 12:48		
Analyst:	RC		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	290	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	370	--	1
Hexachlorobenzene	ND		ug/kg	220	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	330	--	1
2-Chloronaphthalene	ND		ug/kg	370	--	1
1,2-Dichlorobenzene	ND		ug/kg	370	--	1
1,3-Dichlorobenzene	ND		ug/kg	370	--	1
1,4-Dichlorobenzene	ND		ug/kg	370	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	370	--	1
2,4-Dinitrotoluene	ND		ug/kg	370	--	1
2,6-Dinitrotoluene	ND		ug/kg	370	--	1
Azobenzene	ND		ug/kg	370	--	1
Fluoranthene	ND		ug/kg	220	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	370	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	400	--	1
Hexachlorobutadiene	ND		ug/kg	370	--	1
Hexachloroethane	ND		ug/kg	290	--	1
Isophorone	ND		ug/kg	330	--	1
Naphthalene	ND		ug/kg	370	--	1
Nitrobenzene	ND		ug/kg	330	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	370	--	1
Butyl benzyl phthalate	ND		ug/kg	370	--	1
Di-n-butylphthalate	ND		ug/kg	370	--	1
Di-n-octylphthalate	ND		ug/kg	370	--	1
Diethyl phthalate	ND		ug/kg	370	--	1
Dimethyl phthalate	ND		ug/kg	370	--	1
Benzo(a)anthracene	ND		ug/kg	220	--	1
Benzo(a)pyrene	ND		ug/kg	290	--	1
Benzo(b)fluoranthene	ND		ug/kg	220	--	1
Benzo(k)fluoranthene	ND		ug/kg	220	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-07 Date Collected: 11/22/11 13:08

Client ID: NS-6 0-8' (VOC 1.5') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Chrysene	ND		ug/kg	220	--	1
Acenaphthylene	ND		ug/kg	290	--	1
Anthracene	ND		ug/kg	220	--	1
Benzo(ghi)perylene	ND		ug/kg	290	--	1
Fluorene	ND		ug/kg	370	--	1
Phenanthrene	ND		ug/kg	220	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	220	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	290	--	1
Pyrene	ND		ug/kg	220	--	1
Aniline	ND		ug/kg	440	--	1
4-Chloroaniline	ND		ug/kg	370	--	1
Dibenzofuran	ND		ug/kg	370	--	1
2-Methylnaphthalene	ND		ug/kg	440	--	1
Acetophenone	ND		ug/kg	370	--	1
2,4,6-Trichlorophenol	ND		ug/kg	220	--	1
2-Chlorophenol	ND		ug/kg	370	--	1
2,4-Dichlorophenol	ND		ug/kg	330	--	1
2,4-Dimethylphenol	ND		ug/kg	370	--	1
2-Nitrophenol	ND		ug/kg	800	--	1
4-Nitrophenol	ND		ug/kg	520	--	1
2,4-Dinitrophenol	ND		ug/kg	1800	--	1
Pentachlorophenol	ND		ug/kg	740	--	1
Phenol	ND		ug/kg	370	--	1
2-Methylphenol	ND		ug/kg	370	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	530	--	1
2,4,5-Trichlorophenol	ND		ug/kg	370	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		30-130
Phenol-d6	78		30-130
Nitrobenzene-d5	74		30-130
2-Fluorobiphenyl	74		30-130
2,4,6-Tribromophenol	78		30-130
4-Terphenyl-d14	84		30-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-08	Date Collected:	11/22/11 13:50
Client ID:	NS-3 0-10' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	11/29/11 10:44
Analytical Date:	11/30/11 13:11		
Analyst:	RC		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	280	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	360	--	1
Hexachlorobenzene	ND		ug/kg	210	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	320	--	1
2-Chloronaphthalene	ND		ug/kg	360	--	1
1,2-Dichlorobenzene	ND		ug/kg	360	--	1
1,3-Dichlorobenzene	ND		ug/kg	360	--	1
1,4-Dichlorobenzene	ND		ug/kg	360	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	360	--	1
2,4-Dinitrotoluene	ND		ug/kg	360	--	1
2,6-Dinitrotoluene	ND		ug/kg	360	--	1
Azobenzene	ND		ug/kg	360	--	1
Fluoranthene	ND		ug/kg	210	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	360	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	380	--	1
Hexachlorobutadiene	ND		ug/kg	360	--	1
Hexachloroethane	ND		ug/kg	280	--	1
Isophorone	ND		ug/kg	320	--	1
Naphthalene	ND		ug/kg	360	--	1
Nitrobenzene	ND		ug/kg	320	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	--	1
Butyl benzyl phthalate	ND		ug/kg	360	--	1
Di-n-butylphthalate	ND		ug/kg	360	--	1
Di-n-octylphthalate	ND		ug/kg	360	--	1
Diethyl phthalate	ND		ug/kg	360	--	1
Dimethyl phthalate	ND		ug/kg	360	--	1
Benzo(a)anthracene	ND		ug/kg	210	--	1
Benzo(a)pyrene	ND		ug/kg	280	--	1
Benzo(b)fluoranthene	ND		ug/kg	210	--	1
Benzo(k)fluoranthene	ND		ug/kg	210	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-08 Date Collected: 11/22/11 13:50

Client ID: NS-3 0-10' (VOC 1.5') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Chrysene	ND		ug/kg	210	--	1
Acenaphthylene	ND		ug/kg	280	--	1
Anthracene	ND		ug/kg	210	--	1
Benzo(ghi)perylene	ND		ug/kg	280	--	1
Fluorene	ND		ug/kg	360	--	1
Phenanthrene	ND		ug/kg	210	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	210	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	280	--	1
Pyrene	ND		ug/kg	210	--	1
Aniline	ND		ug/kg	430	--	1
4-Chloroaniline	ND		ug/kg	360	--	1
Dibenzofuran	ND		ug/kg	360	--	1
2-Methylnaphthalene	ND		ug/kg	430	--	1
Acetophenone	ND		ug/kg	360	--	1
2,4,6-Trichlorophenol	ND		ug/kg	210	--	1
2-Chlorophenol	ND		ug/kg	360	--	1
2,4-Dichlorophenol	ND		ug/kg	320	--	1
2,4-Dimethylphenol	ND		ug/kg	360	--	1
2-Nitrophenol	ND		ug/kg	770	--	1
4-Nitrophenol	ND		ug/kg	500	--	1
2,4-Dinitrophenol	ND		ug/kg	1700	--	1
Pentachlorophenol	ND		ug/kg	710	--	1
Phenol	ND		ug/kg	360	--	1
2-Methylphenol	ND		ug/kg	360	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	--	1
2,4,5-Trichlorophenol	ND		ug/kg	360	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		30-130
Phenol-d6	88		30-130
Nitrobenzene-d5	80		30-130
2-Fluorobiphenyl	83		30-130
2,4,6-Tribromophenol	89		30-130
4-Terphenyl-d14	93		30-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-09	Date Collected:	11/22/11 14:30
Client ID:	NS-4 0-10' (VOC 3.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	11/29/11 10:44
Analytical Date:	11/30/11 13:34		
Analyst:	RC		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	280	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	350	--	1
Hexachlorobenzene	ND		ug/kg	210	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	320	--	1
2-Chloronaphthalene	ND		ug/kg	350	--	1
1,2-Dichlorobenzene	ND		ug/kg	350	--	1
1,3-Dichlorobenzene	ND		ug/kg	350	--	1
1,4-Dichlorobenzene	ND		ug/kg	350	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	350	--	1
2,4-Dinitrotoluene	ND		ug/kg	350	--	1
2,6-Dinitrotoluene	ND		ug/kg	350	--	1
Azobenzene	ND		ug/kg	350	--	1
Fluoranthene	ND		ug/kg	210	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	350	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	380	--	1
Hexachlorobutadiene	ND		ug/kg	350	--	1
Hexachloroethane	ND		ug/kg	280	--	1
Isophorone	ND		ug/kg	320	--	1
Naphthalene	ND		ug/kg	350	--	1
Nitrobenzene	ND		ug/kg	320	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	350	--	1
Butyl benzyl phthalate	ND		ug/kg	350	--	1
Di-n-butylphthalate	ND		ug/kg	350	--	1
Di-n-octylphthalate	ND		ug/kg	350	--	1
Diethyl phthalate	ND		ug/kg	350	--	1
Dimethyl phthalate	ND		ug/kg	350	--	1
Benzo(a)anthracene	ND		ug/kg	210	--	1
Benzo(a)pyrene	ND		ug/kg	280	--	1
Benzo(b)fluoranthene	ND		ug/kg	210	--	1
Benzo(k)fluoranthene	ND		ug/kg	210	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-09 Date Collected: 11/22/11 14:30

Client ID: NS-4 0-10' (VOC 3.5') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Chrysene	ND		ug/kg	210	--	1
Acenaphthylene	ND		ug/kg	280	--	1
Anthracene	ND		ug/kg	210	--	1
Benzo(ghi)perylene	ND		ug/kg	280	--	1
Fluorene	ND		ug/kg	350	--	1
Phenanthrene	ND		ug/kg	210	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	210	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	280	--	1
Pyrene	ND		ug/kg	210	--	1
Aniline	ND		ug/kg	420	--	1
4-Chloroaniline	ND		ug/kg	350	--	1
Dibenzofuran	ND		ug/kg	350	--	1
2-Methylnaphthalene	ND		ug/kg	420	--	1
Acetophenone	ND		ug/kg	350	--	1
2,4,6-Trichlorophenol	ND		ug/kg	210	--	1
2-Chlorophenol	ND		ug/kg	350	--	1
2,4-Dichlorophenol	ND		ug/kg	320	--	1
2,4-Dimethylphenol	ND		ug/kg	350	--	1
2-Nitrophenol	ND		ug/kg	760	--	1
4-Nitrophenol	ND		ug/kg	490	--	1
2,4-Dinitrophenol	ND		ug/kg	1700	--	1
Pentachlorophenol	ND		ug/kg	700	--	1
Phenol	ND		ug/kg	350	--	1
2-Methylphenol	ND		ug/kg	350	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	500	--	1
2,4,5-Trichlorophenol	ND		ug/kg	350	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		30-130
Phenol-d6	89		30-130
Nitrobenzene-d5	85		30-130
2-Fluorobiphenyl	83		30-130
2,4,6-Tribromophenol	84		30-130
4-Terphenyl-d14	94		30-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-10	Date Collected:	11/22/11 15:20
Client ID:	NS-1 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	11/29/11 10:44
Analytical Date:	11/30/11 13:57		
Analyst:	RC		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	2800		ug/kg	290	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	370	--	1
Hexachlorobenzene	ND		ug/kg	220	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	330	--	1
2-Chloronaphthalene	ND		ug/kg	370	--	1
1,2-Dichlorobenzene	ND		ug/kg	370	--	1
1,3-Dichlorobenzene	ND		ug/kg	370	--	1
1,4-Dichlorobenzene	ND		ug/kg	370	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	370	--	1
2,4-Dinitrotoluene	ND		ug/kg	370	--	1
2,6-Dinitrotoluene	ND		ug/kg	370	--	1
Azobenzene	ND		ug/kg	370	--	1
Fluoranthene	28000	E	ug/kg	220	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	370	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	400	--	1
Hexachlorobutadiene	ND		ug/kg	370	--	1
Hexachloroethane	ND		ug/kg	290	--	1
Isophorone	ND		ug/kg	330	--	1
Naphthalene	2000		ug/kg	370	--	1
Nitrobenzene	ND		ug/kg	330	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	370	--	1
Butyl benzyl phthalate	ND		ug/kg	370	--	1
Di-n-butylphthalate	ND		ug/kg	370	--	1
Di-n-octylphthalate	ND		ug/kg	370	--	1
Diethyl phthalate	ND		ug/kg	370	--	1
Dimethyl phthalate	ND		ug/kg	370	--	1
Benzo(a)anthracene	11000		ug/kg	220	--	1
Benzo(a)pyrene	10000		ug/kg	290	--	1
Benzo(b)fluoranthene	10000		ug/kg	220	--	1
Benzo(k)fluoranthene	6500		ug/kg	220	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-10 Date Collected: 11/22/11 15:20

Client ID: NS-1 0-10' (VOC 2') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Chrysene	10000		ug/kg	220	--	1
Acenaphthylene	1400		ug/kg	290	--	1
Anthracene	8100		ug/kg	220	--	1
Benzo(ghi)perylene	5700		ug/kg	290	--	1
Fluorene	3500		ug/kg	370	--	1
Phenanthrene	23000	E	ug/kg	220	--	1
Dibenzo(a,h)anthracene	2000		ug/kg	220	--	1
Indeno(1,2,3-cd)Pyrene	5400		ug/kg	290	--	1
Pyrene	23000	E	ug/kg	220	--	1
Aniline	ND		ug/kg	440	--	1
4-Chloroaniline	ND		ug/kg	370	--	1
Dibenzofuran	ND		ug/kg	370	--	1
2-Methylnaphthalene	1600		ug/kg	440	--	1
Acetophenone	ND		ug/kg	370	--	1
2,4,6-Trichlorophenol	ND		ug/kg	220	--	1
2-Chlorophenol	ND		ug/kg	370	--	1
2,4-Dichlorophenol	ND		ug/kg	330	--	1
2,4-Dimethylphenol	ND		ug/kg	370	--	1
2-Nitrophenol	ND		ug/kg	790	--	1
4-Nitrophenol	ND		ug/kg	510	--	1
2,4-Dinitrophenol	ND		ug/kg	1800	--	1
Pentachlorophenol	ND		ug/kg	730	--	1
Phenol	ND		ug/kg	370	--	1
2-Methylphenol	ND		ug/kg	370	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	530	--	1
2,4,5-Trichlorophenol	ND		ug/kg	370	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		30-130
Phenol-d6	102		30-130
Nitrobenzene-d5	95		30-130
2-Fluorobiphenyl	102		30-130
2,4,6-Tribromophenol	102		30-130
4-Terphenyl-d14	106		30-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-10 D	Date Collected:	11/22/11 15:20
Client ID:	NS-1 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	11/29/11 10:44
Analytical Date:	12/01/11 01:56		
Analyst:	RC		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Fluoranthene	23000		ug/kg	440	--	2
Phenanthrene	21000		ug/kg	440	--	2
Pyrene	19000		ug/kg	440	--	2

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-11	Date Collected:	11/22/11 16:00
Client ID:	NS-2 0-10' (VOC 6')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	11/29/11 10:44
Analytical Date:	11/30/11 14:20		
Analyst:	RC		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	280	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	340	--	1
Hexachlorobenzene	ND		ug/kg	210	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	310	--	1
2-Chloronaphthalene	ND		ug/kg	340	--	1
1,2-Dichlorobenzene	ND		ug/kg	340	--	1
1,3-Dichlorobenzene	ND		ug/kg	340	--	1
1,4-Dichlorobenzene	ND		ug/kg	340	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	340	--	1
2,4-Dinitrotoluene	ND		ug/kg	340	--	1
2,6-Dinitrotoluene	ND		ug/kg	340	--	1
Azobenzene	ND		ug/kg	340	--	1
Fluoranthene	ND		ug/kg	210	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	340	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	410	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	--	1
Hexachlorobutadiene	ND		ug/kg	340	--	1
Hexachloroethane	ND		ug/kg	280	--	1
Isophorone	ND		ug/kg	310	--	1
Naphthalene	ND		ug/kg	340	--	1
Nitrobenzene	ND		ug/kg	310	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	340	--	1
Butyl benzyl phthalate	ND		ug/kg	340	--	1
Di-n-butylphthalate	ND		ug/kg	340	--	1
Di-n-octylphthalate	ND		ug/kg	340	--	1
Diethyl phthalate	ND		ug/kg	340	--	1
Dimethyl phthalate	ND		ug/kg	340	--	1
Benzo(a)anthracene	ND		ug/kg	210	--	1
Benzo(a)pyrene	ND		ug/kg	280	--	1
Benzo(b)fluoranthene	ND		ug/kg	210	--	1
Benzo(k)fluoranthene	ND		ug/kg	210	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-11 Date Collected: 11/22/11 16:00

Client ID: NS-2 0-10' (VOC 6') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Chrysene	ND		ug/kg	210	--	1
Acenaphthylene	ND		ug/kg	280	--	1
Anthracene	ND		ug/kg	210	--	1
Benzo(ghi)perylene	ND		ug/kg	280	--	1
Fluorene	ND		ug/kg	340	--	1
Phenanthrene	ND		ug/kg	210	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	210	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	280	--	1
Pyrene	ND		ug/kg	210	--	1
Aniline	ND		ug/kg	410	--	1
4-Chloroaniline	ND		ug/kg	340	--	1
Dibenzofuran	ND		ug/kg	340	--	1
2-Methylnaphthalene	ND		ug/kg	410	--	1
Acetophenone	ND		ug/kg	340	--	1
2,4,6-Trichlorophenol	ND		ug/kg	210	--	1
2-Chlorophenol	ND		ug/kg	340	--	1
2,4-Dichlorophenol	ND		ug/kg	310	--	1
2,4-Dimethylphenol	ND		ug/kg	340	--	1
2-Nitrophenol	ND		ug/kg	740	--	1
4-Nitrophenol	ND		ug/kg	480	--	1
2,4-Dinitrophenol	ND		ug/kg	1600	--	1
Pentachlorophenol	ND		ug/kg	690	--	1
Phenol	ND		ug/kg	340	--	1
2-Methylphenol	ND		ug/kg	340	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	500	--	1
2,4,5-Trichlorophenol	ND		ug/kg	340	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		30-130
Phenol-d6	87		30-130
Nitrobenzene-d5	84		30-130
2-Fluorobiphenyl	83		30-130
2,4,6-Tribromophenol	93		30-130
4-Terphenyl-d14	94		30-130

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-12	Date Collected:	11/22/11 14:00
Client ID:	NS-10 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8270C	Extraction Date:	11/29/11 10:44
Analytical Date:	11/30/11 14:43		
Analyst:	RC		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Acenaphthene	ND		ug/kg	280	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	360	--	1
Hexachlorobenzene	ND		ug/kg	210	--	1
Bis(2-chloroethyl)ether	ND		ug/kg	320	--	1
2-Chloronaphthalene	ND		ug/kg	360	--	1
1,2-Dichlorobenzene	ND		ug/kg	360	--	1
1,3-Dichlorobenzene	ND		ug/kg	360	--	1
1,4-Dichlorobenzene	ND		ug/kg	360	--	1
3,3'-Dichlorobenzidine	ND		ug/kg	360	--	1
2,4-Dinitrotoluene	ND		ug/kg	360	--	1
2,6-Dinitrotoluene	ND		ug/kg	360	--	1
Azobenzene	ND		ug/kg	360	--	1
Fluoranthene	210		ug/kg	210	--	1
4-Bromophenyl phenyl ether	ND		ug/kg	360	--	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	--	1
Bis(2-chloroethoxy)methane	ND		ug/kg	380	--	1
Hexachlorobutadiene	ND		ug/kg	360	--	1
Hexachloroethane	ND		ug/kg	280	--	1
Isophorone	ND		ug/kg	320	--	1
Naphthalene	ND		ug/kg	360	--	1
Nitrobenzene	ND		ug/kg	320	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	--	1
Butyl benzyl phthalate	ND		ug/kg	360	--	1
Di-n-butylphthalate	ND		ug/kg	360	--	1
Di-n-octylphthalate	ND		ug/kg	360	--	1
Diethyl phthalate	ND		ug/kg	360	--	1
Dimethyl phthalate	ND		ug/kg	360	--	1
Benzo(a)anthracene	ND		ug/kg	210	--	1
Benzo(a)pyrene	ND		ug/kg	280	--	1
Benzo(b)fluoranthene	ND		ug/kg	210	--	1
Benzo(k)fluoranthene	ND		ug/kg	210	--	1

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-12 Date Collected: 11/22/11 14:00

Client ID: NS-10 0-10' (VOC 2') Date Received: 11/23/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Chrysene	ND		ug/kg	210	--	1
Acenaphthylene	ND		ug/kg	280	--	1
Anthracene	ND		ug/kg	210	--	1
Benzo(ghi)perylene	ND		ug/kg	280	--	1
Fluorene	ND		ug/kg	360	--	1
Phenanthrene	ND		ug/kg	210	--	1
Dibenzo(a,h)anthracene	ND		ug/kg	210	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	280	--	1
Pyrene	ND		ug/kg	210	--	1
Aniline	ND		ug/kg	430	--	1
4-Chloroaniline	ND		ug/kg	360	--	1
Dibenzofuran	ND		ug/kg	360	--	1
2-Methylnaphthalene	ND		ug/kg	430	--	1
Acetophenone	ND		ug/kg	360	--	1
2,4,6-Trichlorophenol	ND		ug/kg	210	--	1
2-Chlorophenol	ND		ug/kg	360	--	1
2,4-Dichlorophenol	ND		ug/kg	320	--	1
2,4-Dimethylphenol	ND		ug/kg	360	--	1
2-Nitrophenol	ND		ug/kg	770	--	1
4-Nitrophenol	ND		ug/kg	500	--	1
2,4-Dinitrophenol	ND		ug/kg	1700	--	1
Pentachlorophenol	ND		ug/kg	710	--	1
Phenol	ND		ug/kg	360	--	1
2-Methylphenol	ND		ug/kg	360	--	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	--	1
2,4,5-Trichlorophenol	ND		ug/kg	360	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		30-130
Phenol-d6	95		30-130
Nitrobenzene-d5	87		30-130
2-Fluorobiphenyl	92		30-130
2,4,6-Tribromophenol	99		30-130
4-Terphenyl-d14	102		30-130

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 11/30/11 10:07
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 11/29/11 10:44

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 03-12 Batch: WG504965-1					
Acenaphthene	ND		ug/kg	260	--
1,2,4-Trichlorobenzene	ND		ug/kg	320	--
Hexachlorobenzene	ND		ug/kg	190	--
Bis(2-chloroethyl)ether	ND		ug/kg	290	--
2-Chloronaphthalene	ND		ug/kg	320	--
1,2-Dichlorobenzene	ND		ug/kg	320	--
1,3-Dichlorobenzene	ND		ug/kg	320	--
1,4-Dichlorobenzene	ND		ug/kg	320	--
3,3'-Dichlorobenzidine	ND		ug/kg	320	--
2,4-Dinitrotoluene	ND		ug/kg	320	--
2,6-Dinitrotoluene	ND		ug/kg	320	--
Azobenzene	ND		ug/kg	320	--
Fluoranthene	ND		ug/kg	190	--
4-Bromophenyl phenyl ether	ND		ug/kg	320	--
Bis(2-chloroisopropyl)ether	ND		ug/kg	390	--
Bis(2-chloroethoxy)methane	ND		ug/kg	350	--
Hexachlorobutadiene	ND		ug/kg	320	--
Hexachloroethane	ND		ug/kg	260	--
Isophorone	ND		ug/kg	290	--
Naphthalene	ND		ug/kg	320	--
Nitrobenzene	ND		ug/kg	290	--
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	320	--
Butyl benzyl phthalate	ND		ug/kg	320	--
Di-n-butylphthalate	ND		ug/kg	320	--
Di-n-octylphthalate	ND		ug/kg	320	--
Diethyl phthalate	ND		ug/kg	320	--
Dimethyl phthalate	ND		ug/kg	320	--
Benzo(a)anthracene	ND		ug/kg	190	--
Benzo(a)pyrene	ND		ug/kg	260	--
Benzo(b)fluoranthene	ND		ug/kg	190	--
Benzo(k)fluoranthene	ND		ug/kg	190	--

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 11/30/11 10:07
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 11/29/11 10:44

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 03-12 Batch: WG504965-1					
Chrysene	ND		ug/kg	190	--
Acenaphthylene	ND		ug/kg	260	--
Anthracene	ND		ug/kg	190	--
Benzo(ghi)perylene	ND		ug/kg	260	--
Fluorene	ND		ug/kg	320	--
Phenanthrene	ND		ug/kg	190	--
Dibenzo(a,h)anthracene	ND		ug/kg	190	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	260	--
Pyrene	ND		ug/kg	190	--
Aniline	ND		ug/kg	390	--
4-Chloroaniline	ND		ug/kg	320	--
Dibenzofuran	ND		ug/kg	320	--
2-Methylnaphthalene	ND		ug/kg	390	--
Acetophenone	ND		ug/kg	320	--
2,4,6-Trichlorophenol	ND		ug/kg	190	--
2-Chlorophenol	ND		ug/kg	320	--
2,4-Dichlorophenol	ND		ug/kg	290	--
2,4-Dimethylphenol	ND		ug/kg	320	--
2-Nitrophenol	ND		ug/kg	700	--
4-Nitrophenol	ND		ug/kg	450	--
2,4-Dinitrophenol	ND		ug/kg	1600	--
Pentachlorophenol	ND		ug/kg	650	--
Phenol	ND		ug/kg	320	--
2-Methylphenol	ND		ug/kg	320	--
3-Methylphenol/4-Methylphenol	ND		ug/kg	470	--
2,4,5-Trichlorophenol	ND		ug/kg	320	--

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270C
Analytical Date: 11/30/11 10:07
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 11/29/11 10:44

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 03-12 Batch: WG504965-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		30-130
Phenol-d6	84		30-130
Nitrobenzene-d5	78		30-130
2-Fluorobiphenyl	76		30-130
2,4,6-Tribromophenol	92		30-130
4-Terphenyl-d14	80		30-130

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/05/11 13:36
Analyst: AW

Extraction Method: EPA 3570
Extraction Date: 11/29/11 11:41
Cleanup Method1: EPA 3630
Cleanup Date1: 12/02/11

Parameter	Result	Qualifier	Units	RL	MDL
PAHs/PCB Congeners by GC/MS - Mansfield Lab for sample(s): 01-02 Batch: WG504992-1					
Naphthalene	ND		ug/kg	8.00	--
Acenaphthylene	ND		ug/kg	8.00	--
Acenaphthene	ND		ug/kg	8.00	--
Fluorene	ND		ug/kg	8.00	--
Phenanthrene	ND		ug/kg	8.00	--
Anthracene	ND		ug/kg	8.00	--
Fluoranthene	ND		ug/kg	8.00	--
Pyrene	ND		ug/kg	8.00	--
Benz(a)anthracene	ND		ug/kg	8.00	--
Chrysene	ND		ug/kg	8.00	--
Benzo(b)fluoranthene	ND		ug/kg	8.00	--
Benzo(k)fluoranthene	ND		ug/kg	8.00	--
Benzo(a)pyrene	ND		ug/kg	8.00	--
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	8.00	--
Dibenz(a,h)anthracene	ND		ug/kg	8.00	--
Benzo(ghi)perylene	ND		ug/kg	8.00	--
Cl2-BZ#8	ND		ug/kg	0.800	--
Cl3-BZ#18	ND		ug/kg	0.800	--
Cl3-BZ#28	ND		ug/kg	0.800	--
Cl4-BZ#44	ND		ug/kg	0.800	--
Cl4-BZ#49	ND		ug/kg	0.800	--
Cl4-BZ#52	ND		ug/kg	0.800	--
Cl4-BZ#66	ND		ug/kg	0.800	--
Cl5-BZ#87	ND		ug/kg	0.800	--
Cl5-BZ#101	ND		ug/kg	0.800	--
Cl5-BZ#105	ND		ug/kg	0.800	--
Cl5-BZ#118	ND		ug/kg	0.800	--
Cl6-BZ#128	ND		ug/kg	0.800	--
Cl6-BZ#138	ND		ug/kg	0.800	--
Cl6-BZ#153	ND		ug/kg	0.800	--
Cl7-BZ#170	ND		ug/kg	0.800	--

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 105,680/8270C-SIM(M)
Analytical Date: 12/05/11 13:36
Analyst: AW

Extraction Method: EPA 3570
Extraction Date: 11/29/11 11:41
Cleanup Method1: EPA 3630
Cleanup Date1: 12/02/11

Parameter	Result	Qualifier	Units	RL	MDL
PAHs/PCB Congeners by GC/MS - Mansfield Lab for sample(s): 01-02 Batch: WG504992-1					
Cl7-BZ#180	ND		ug/kg	0.800	--
Cl7-BZ#183	ND		ug/kg	0.800	--
Cl7-BZ#184	ND		ug/kg	0.800	--
Cl7-BZ#187	ND		ug/kg	0.800	--
Cl8-BZ#195	ND		ug/kg	0.800	--
Cl9-BZ#206	ND		ug/kg	0.800	--
Cl10-BZ#209	ND		ug/kg	0.800	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Methylnaphthalene-d10	95		30-150
Pyrene-d10	94		30-150
Benzo(b)fluoranthene-d12	101		30-150
DBOB	109		50-125
BZ 198	109		50-125

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 03-12 Batch: WG504965-2 WG504965-3								
Acenaphthene	79		84		40-140	6		30
1,2,4-Trichlorobenzene	80		87		40-140	8		30
Hexachlorobenzene	82		84		40-140	2		30
Bis(2-chloroethyl)ether	75		83		40-140	10		30
2-Chloronaphthalene	91		96		40-140	5		30
1,2-Dichlorobenzene	78		87		40-140	11		30
1,3-Dichlorobenzene	74		83		40-140	11		30
1,4-Dichlorobenzene	76		84		40-140	10		30
3,3'-Dichlorobenzidine	67		67		40-140	0		30
2,4-Dinitrotoluene	86		87		40-140	1		30
2,6-Dinitrotoluene	85		86		40-140	1		30
Azobenzene	94		98		40-140	4		30
Fluoranthene	89		93		40-140	4		30
4-Bromophenyl phenyl ether	84		86		40-140	2		30
Bis(2-chloroisopropyl)ether	82		91		40-140	10		30
Bis(2-chloroethoxy)methane	74		81		40-140	9		30
Hexachlorobutadiene	84		91		40-140	8		30
Hexachloroethane	81		92		40-140	13		30
Isophorone	80		85		40-140	6		30
Naphthalene	80		87		40-140	8		30
Nitrobenzene	89		96		40-140	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 03-12 Batch: WG504965-2 WG504965-3								
Bis(2-Ethylhexyl)phthalate	97		100		40-140	3		30
Butyl benzyl phthalate	108		106		40-140	2		30
Di-n-butylphthalate	99		98		40-140	1		30
Di-n-octylphthalate	98		103		40-140	5		30
Diethyl phthalate	90		92		40-140	2		30
Dimethyl phthalate	82		88		40-140	7		30
Benzo(a)anthracene	83		89		40-140	7		30
Benzo(a)pyrene	83		86		40-140	4		30
Benzo(b)fluoranthene	78		84		40-140	7		30
Benzo(k)fluoranthene	96		100		40-140	4		30
Chrysene	84		90		40-140	7		30
Acenaphthylene	85		88		40-140	3		30
Anthracene	87		91		40-140	4		30
Benzo(ghi)perylene	95		100		40-140	5		30
Fluorene	80		84		40-140	5		30
Phenanthrene	85		88		40-140	3		30
Dibenzo(a,h)anthracene	94		98		40-140	4		30
Indeno(1,2,3-cd)Pyrene	95		98		40-140	3		30
Pyrene	90		91		40-140	1		30
Aniline	41		**38**	Q	40-140	8		30
4-Chloroaniline	58		55		40-140	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 03-12 Batch: WG504965-2 WG504965-3								
Dibenzofuran	82		88		40-140	7		30
2-Methylnaphthalene	78		84		40-140	7		30
Acetophenone	89		96		40-140	8		30
2,4,6-Trichlorophenol	81		83		30-130	2		30
2-Chlorophenol	80		88		30-130	10		30
2,4-Dichlorophenol	87		90		30-130	3		30
2,4-Dimethylphenol	86		92		30-130	7		30
2-Nitrophenol	73		83		30-130	13		30
4-Nitrophenol	108		110		30-130	2		30
2,4-Dinitrophenol	38		**25**	Q	30-130	**41**	Q	30
Pentachlorophenol	94		103		30-130	9		30
Phenol	86		90		30-130	5		30
2-Methylphenol	82		88		30-130	7		30
3-Methylphenol/4-Methylphenol	80		87		30-130	8		30
2,4,5-Trichlorophenol	88		89		30-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 03-12 Batch: WG504965-2 WG504965-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		90		30-130
Phenol-d6	84		90		30-130
Nitrobenzene-d5	83		86		30-130
2-Fluorobiphenyl	79		83		30-130
2,4,6-Tribromophenol	86		87		30-130
4-Terphenyl-d14	87		86		30-130

PAHs/PCB Congeners by GC/MS - Mansfield Lab Associated sample(s): 01-02 Batch: WG504992-2 WG504992-3								
Naphthalene	93		99		40-140	6		30
Acenaphthylene	90		93		40-140	3		30
Acenaphthene	97		100		40-140	3		30
Fluorene	101		103		40-140	2		30
Phenanthrene	92		96		40-140	4		30
Anthracene	91		96		40-140	5		30
Fluoranthene	102		107		40-140	5		30
Pyrene	99		105		40-140	6		30
Benz(a)anthracene	107		113		40-140	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PAHs/PCB Congeners by GC/MS - Mansfield Lab Associated sample(s): 01-02 Batch: WG504992-2 WG504992-3								
Chrysene	99		105		40-140	6		30
Benzo(b)fluoranthene	109		114		40-140	4		30
Benzo(k)fluoranthene	107		113		40-140	5		30
Benzo(a)pyrene	109		116		40-140	6		30
Indeno(1,2,3-cd)Pyrene	118		124		40-140	5		30
Dibenz(a,h)anthracene	110		116		40-140	5		30
Benzo(ghi)perylene	107		112		40-140	5		30
Cl2-BZ#8	84		82		40-140	2		50
Cl3-BZ#18	82		79		40-140	4		50
Cl3-BZ#28	86		84		40-140	2		50
Cl4-BZ#44	91		89		40-140	2		50
Cl4-BZ#49	83		83		40-140	0		50
Cl4-BZ#52	91		89		40-140	2		50
Cl4-BZ#66	94		94		40-140	0		50
Cl5-BZ#87	96		93		40-140	3		50
Cl5-BZ#101	91		91		40-140	0		50
Cl5-BZ#105	94		91		40-140	3		50
Cl5-BZ#118	89		87		40-140	2		50
Cl6-BZ#128	93		93		40-140	0		50
Cl6-BZ#138	96		96		40-140	0		50
Cl6-BZ#153	95		94		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PAHs/PCB Congeners by GC/MS - Mansfield Lab Associated sample(s): 01-02 Batch: WG504992-2 WG504992-3								
Cl7-BZ#170	100		98		40-140	2		50
Cl7-BZ#180	98		96		40-140	2		50
Cl7-BZ#183	94		93		40-140	1		50
Cl7-BZ#184	98		98		40-140	0		50
Cl7-BZ#187	101		99		40-140	2		50
Cl8-BZ#195	104		104		40-140	0		50
Cl9-BZ#206	103		100		40-140	3		50
Cl10-BZ#209	102		101		40-140	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Methylnaphthalene-d10	100		104		30-150
Pyrene-d10	100		104		30-150
Benzo(b)fluoranthene-d12	107		112		30-150
DBOB	110		104		50-125
BZ 198	110		110		50-125

PETROLEUM HYDROCARBONS

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-04	Date Collected:	11/22/11 10:55
Client ID:	NS-7 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	11/29/11 13:55
Analytical Date:	11/30/11 13:15		
Analyst:	MW		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	37500	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		40-140

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-05	Date Collected:	11/22/11 11:20
Client ID:	NS-8 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	11/29/11 13:55
Analytical Date:	11/30/11 13:49		
Analyst:	MW		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	36900	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	58		40-140

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-06	Date Collected:	11/22/11 12:00
Client ID:	NS-5 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	11/29/11 13:55
Analytical Date:	11/30/11 14:23		
Analyst:	MW		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	35400	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	78		40-140

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-07	Date Collected:	11/22/11 13:08
Client ID:	NS-6 0-8' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	11/29/11 13:55
Analytical Date:	11/30/11 14:57		
Analyst:	MW		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	37100	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	55		40-140

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-08	Date Collected:	11/22/11 13:50
Client ID:	NS-3 0-10' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	11/29/11 13:55
Analytical Date:	11/30/11 22:29		
Analyst:	MW		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	114000		ug/kg	36200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	89		40-140

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-09	Date Collected:	11/22/11 14:30
Client ID:	NS-4 0-10' (VOC 3.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	11/29/11 13:55
Analytical Date:	11/30/11 16:13		
Analyst:	MW		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	35200	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	71		40-140

Project Name: RIVER ROAD
Project Number: 181437
Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-10	Date Collected:	11/22/11 15:20
Client ID:	NS-1 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	11/29/11 13:55
Analytical Date:	11/30/11 23:37		
Analyst:	MW		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	255000		ug/kg	36000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	84		40-140

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-11	Date Collected:	11/22/11 16:00
Client ID:	NS-2 0-10' (VOC 6')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	11/29/11 13:55
Analytical Date:	11/30/11 16:47		
Analyst:	MW		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	35600	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	73		40-140

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-12	Date Collected:	11/22/11 14:00
Client ID:	NS-10 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	11/29/11 13:55
Analytical Date:	11/30/11 15:39		
Analyst:	MW		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	57700		ug/kg	35700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	66		40-140

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 11/30/11 10:16
Analyst: MW

Extraction Method: EPA 3546
Extraction Date: 11/29/11 13:55

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 04-12 Batch: WG505029-1					
TPH	ND		ug/kg	32600	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	75		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04-12 Batch: WG505029-2								
TPH	82		-		40-140	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	85				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 04-12 QC Batch ID: WG505029-3 QC Sample: L1119653-03 Client ID: DUP Sample						
TPH	100000	79700	ug/kg	23		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	69		63		40-140

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-01	Date Collected:	11/22/11 10:00
Client ID:	NS-9A 0-1.5 (VOC 0.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	11/25/11 19:22
Analytical Date:	11/30/11 22:10	Cleanup Method1:	EPH-04-1
Analyst:	AS	Cleanup Date1:	11/27/11
Percent Solids:	86%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	7.54	--	1
C19-C36 Aliphatics	ND		mg/kg	7.54	--	1
C11-C22 Aromatics	11.5		mg/kg	7.54	--	1
C11-C22 Aromatics, Adjusted	9.42		mg/kg	7.54	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	73		40-140
o-Terphenyl	77		40-140
2-Fluorobiphenyl	84		40-140
2-Bromonaphthalene	85		40-140

Project Name: RIVER ROAD
Project Number: 181437
Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-02	Date Collected:	11/22/11 10:15
Client ID:	NS-9B 0-1.5 (VOC 0.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	98,EPH-04-1.1	Extraction Date:	11/25/11 19:22
Analytical Date:	11/30/11 21:39	Cleanup Method1:	EPH-04-1
Analyst:	AS	Cleanup Date1:	11/27/11
Percent Solids:	76%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab						
C9-C18 Aliphatics	ND		mg/kg	8.42	--	1
C19-C36 Aliphatics	ND		mg/kg	8.42	--	1
C11-C22 Aromatics	13.2		mg/kg	8.42	--	1
C11-C22 Aromatics, Adjusted	11.0		mg/kg	8.42	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	75		40-140
o-Terphenyl	68		40-140
2-Fluorobiphenyl	73		40-140
2-Bromonaphthalene	80		40-140

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 98,EPH-04-1.1
Analytical Date: 11/28/11 22:37
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 11/25/11 19:22
Cleanup Method1: EPH-04-1
Cleanup Date1: 11/27/11

Parameter	Result	Qualifier	Units	RL	MDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-02 Batch: WG504441-1					
C9-C18 Aliphatics	ND		mg/kg	6.60	--
C19-C36 Aliphatics	ND		mg/kg	6.60	--
C11-C22 Aromatics	ND		mg/kg	6.60	--
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.60	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	76		40-140
o-Terphenyl	75		40-140
2-Fluorobiphenyl	81		40-140
2-Bromonaphthalene	81		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-02 Batch: WG504441-2 WG504441-3								
C9-C18 Aliphatics	74		72		40-140	3		25
C19-C36 Aliphatics	88		89		40-140	1		25
C11-C22 Aromatics	83		96		40-140	15		25
Naphthalene	81		89		40-140	9		25
2-Methylnaphthalene	88		96		40-140	9		25
Acenaphthylene	83		89		40-140	7		25
Acenaphthene	84		91		40-140	8		25
Fluorene	79		86		40-140	8		25
Phenanthrene	83		90		40-140	8		25
Anthracene	85		101		40-140	17		25
Fluoranthene	82		88		40-140	7		25
Pyrene	86		93		40-140	8		25
Benzo(a)anthracene	79		85		40-140	7		25
Chrysene	80		87		40-140	8		25
Benzo(b)fluoranthene	81		89		40-140	9		25
Benzo(k)fluoranthene	82		97		40-140	17		25
Benzo(a)pyrene	83		89		40-140	7		25
Indeno(1,2,3-cd)Pyrene	82		89		40-140	8		25
Dibenzo(a,h)anthracene	78		85		40-140	9		25
Benzo(ghi)perylene	82		88		40-140	7		25
Nonane (C9)	65		61		30-140	6		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-02 Batch: WG504441-2 WG504441-3								
Decane (C10)	73		72		40-140	1		25
Dodecane (C12)	77		77		40-140	0		25
Tetradecane (C14)	78		77		40-140	1		25
Hexadecane (C16)	82		81		40-140	1		25
Octadecane (C18)	88		86		40-140	2		25
Nonadecane (C19)	89		87		40-140	2		25
Eicosane (C20)	90		88		40-140	2		25
Docosane (C22)	91		89		40-140	2		25
Tetracosane (C24)	93		92		40-140	1		25
Hexacosane (C26)	92		91		40-140	1		25
Octacosane (C28)	87		88		40-140	1		25
Triacontane (C30)	87		91		40-140	4		25
Hexatriacontane (C36)	84		91		40-140	8		25

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	86		76		40-140
o-Terphenyl	81		109		40-140
2-Fluorobiphenyl	80		87		40-140
2-Bromonaphthalene	82		89		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

PCBS

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-04	Date Collected:	11/22/11 10:55
Client ID:	NS-7 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	11/29/11 10:47
Analytical Date:	11/30/11 09:02	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	11/30/11
Percent Solids:	84%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	38.2	--	1
Aroclor 1221	ND		ug/kg	38.2	--	1
Aroclor 1232	ND		ug/kg	38.2	--	1
Aroclor 1242	ND		ug/kg	38.2	--	1
Aroclor 1248	ND		ug/kg	38.2	--	1
Aroclor 1254	ND		ug/kg	38.2	--	1
Aroclor 1260	ND		ug/kg	38.2	--	1
Aroclor 1262	ND		ug/kg	38.2	--	1
Aroclor 1268	ND		ug/kg	38.2	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	67		30-150
Decachlorobiphenyl	64		30-150
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	54		30-150

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-05	Date Collected:	11/22/11 11:20
Client ID:	NS-8 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	12/06/11 17:00
Analytical Date:	12/07/11 00:01	Cleanup Method1:	EPA 3665A
Analyst:	GT	Cleanup Date1:	12/06/11
Percent Solids:	87%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	12/06/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.6	--	1
Aroclor 1221	ND		ug/kg	36.6	--	1
Aroclor 1232	ND		ug/kg	36.6	--	1
Aroclor 1242	ND		ug/kg	36.6	--	1
Aroclor 1248	ND		ug/kg	36.6	--	1
Aroclor 1254	ND		ug/kg	36.6	--	1
Aroclor 1260	ND		ug/kg	36.6	--	1
Aroclor 1262	ND		ug/kg	36.6	--	1
Aroclor 1268	ND		ug/kg	36.6	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	68		30-150
Decachlorobiphenyl	66		30-150
2,4,5,6-Tetrachloro-m-xylene	76		30-150
Decachlorobiphenyl	77		30-150

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-06	Date Collected:	11/22/11 12:00
Client ID:	NS-5 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	11/29/11 10:47
Analytical Date:	11/30/11 09:27	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	11/30/11
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	35.8	--	1
Aroclor 1221	ND		ug/kg	35.8	--	1
Aroclor 1232	ND		ug/kg	35.8	--	1
Aroclor 1242	ND		ug/kg	35.8	--	1
Aroclor 1248	ND		ug/kg	35.8	--	1
Aroclor 1254	ND		ug/kg	35.8	--	1
Aroclor 1260	ND		ug/kg	35.8	--	1
Aroclor 1262	ND		ug/kg	35.8	--	1
Aroclor 1268	ND		ug/kg	35.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	77		30-150
Decachlorobiphenyl	70		30-150
2,4,5,6-Tetrachloro-m-xylene	77		30-150
Decachlorobiphenyl	64		30-150

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-07	Date Collected:	11/22/11 13:08
Client ID:	NS-6 0-8' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	11/29/11 10:47
Analytical Date:	12/06/11 18:20	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	11/30/11
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.8	--	1
Aroclor 1221	ND		ug/kg	36.8	--	1
Aroclor 1232	ND		ug/kg	36.8	--	1
Aroclor 1248	ND		ug/kg	36.8	--	1
Aroclor 1260	ND		ug/kg	36.8	--	1
Aroclor 1262	ND		ug/kg	36.8	--	1
Aroclor 1268	ND		ug/kg	36.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	84		30-150
Decachlorobiphenyl	73		30-150
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	79		30-150

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-07	Date Collected:	11/22/11 13:08
Client ID:	NS-6 0-8' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	11/29/11 10:47
Analytical Date:	12/06/11 18:20	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	11/30/11
Percent Solids:	88%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1242	41.0		ug/kg	36.8	--	1
Aroclor 1254	64.9		ug/kg	36.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	84		30-150
Decachlorobiphenyl	73		30-150
2,4,5,6-Tetrachloro-m-xylene	86		30-150
Decachlorobiphenyl	79		30-150

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-08	Date Collected:	11/22/11 13:50
Client ID:	NS-3 0-10' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	11/29/11 10:47
Analytical Date:	11/30/11 09:51	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	11/30/11
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	35.5	--	1
Aroclor 1221	ND		ug/kg	35.5	--	1
Aroclor 1232	ND		ug/kg	35.5	--	1
Aroclor 1242	ND		ug/kg	35.5	--	1
Aroclor 1248	ND		ug/kg	35.5	--	1
Aroclor 1254	ND		ug/kg	35.5	--	1
Aroclor 1260	ND		ug/kg	35.5	--	1
Aroclor 1262	ND		ug/kg	35.5	--	1
Aroclor 1268	ND		ug/kg	35.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	76		30-150
Decachlorobiphenyl	71		30-150
2,4,5,6-Tetrachloro-m-xylene	76		30-150
Decachlorobiphenyl	68		30-150

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-09	Date Collected:	11/22/11 14:30
Client ID:	NS-4 0-10' (VOC 3.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	11/29/11 10:47
Analytical Date:	11/30/11 10:04	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	11/30/11
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	35.0	--	1
Aroclor 1221	ND		ug/kg	35.0	--	1
Aroclor 1232	ND		ug/kg	35.0	--	1
Aroclor 1242	ND		ug/kg	35.0	--	1
Aroclor 1248	ND		ug/kg	35.0	--	1
Aroclor 1254	ND		ug/kg	35.0	--	1
Aroclor 1260	ND		ug/kg	35.0	--	1
Aroclor 1262	ND		ug/kg	35.0	--	1
Aroclor 1268	ND		ug/kg	35.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	77		30-150
Decachlorobiphenyl	72		30-150
2,4,5,6-Tetrachloro-m-xylene	72		30-150
Decachlorobiphenyl	65		30-150

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-10	Date Collected:	11/22/11 15:20
Client ID:	NS-1 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	11/29/11 10:47
Analytical Date:	11/30/11 10:16	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	11/30/11
Percent Solids:	89%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	36.2	--	1
Aroclor 1221	ND		ug/kg	36.2	--	1
Aroclor 1232	ND		ug/kg	36.2	--	1
Aroclor 1242	ND		ug/kg	36.2	--	1
Aroclor 1248	ND		ug/kg	36.2	--	1
Aroclor 1254	ND		ug/kg	36.2	--	1
Aroclor 1260	ND		ug/kg	36.2	--	1
Aroclor 1262	ND		ug/kg	36.2	--	1
Aroclor 1268	ND		ug/kg	36.2	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	73		30-150
Decachlorobiphenyl	77		30-150
2,4,5,6-Tetrachloro-m-xylene	73		30-150
Decachlorobiphenyl	71		30-150

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-11	Date Collected:	11/22/11 16:00
Client ID:	NS-2 0-10' (VOC 6')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	11/29/11 10:47
Analytical Date:	11/30/11 10:28	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	11/30/11
Percent Solids:	92%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	34.7	--	1
Aroclor 1221	ND		ug/kg	34.7	--	1
Aroclor 1232	ND		ug/kg	34.7	--	1
Aroclor 1242	ND		ug/kg	34.7	--	1
Aroclor 1248	ND		ug/kg	34.7	--	1
Aroclor 1254	ND		ug/kg	34.7	--	1
Aroclor 1260	ND		ug/kg	34.7	--	1
Aroclor 1262	ND		ug/kg	34.7	--	1
Aroclor 1268	ND		ug/kg	34.7	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	80		30-150
Decachlorobiphenyl	74		30-150
2,4,5,6-Tetrachloro-m-xylene	79		30-150
Decachlorobiphenyl	71		30-150

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-12	Date Collected:	11/22/11 14:00
Client ID:	NS-10 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	97,8082	Extraction Date:	11/29/11 10:47
Analytical Date:	11/30/11 10:41	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	11/30/11
Percent Solids:	90%	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	11/30/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Polychlorinated Biphenyls - Westborough Lab						
Aroclor 1016	ND		ug/kg	35.8	--	1
Aroclor 1221	ND		ug/kg	35.8	--	1
Aroclor 1232	ND		ug/kg	35.8	--	1
Aroclor 1242	ND		ug/kg	35.8	--	1
Aroclor 1248	ND		ug/kg	35.8	--	1
Aroclor 1254	ND		ug/kg	35.8	--	1
Aroclor 1260	ND		ug/kg	35.8	--	1
Aroclor 1262	ND		ug/kg	35.8	--	1
Aroclor 1268	ND		ug/kg	35.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	79		30-150
Decachlorobiphenyl	75		30-150
2,4,5,6-Tetrachloro-m-xylene	76		30-150
Decachlorobiphenyl	71		30-150

Project Name: RIVER ROAD

Project Number: 181437

Lab Number: L1119650

Report Date: 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082
Analytical Date: 11/30/11 10:53
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 11/29/11 10:47
Cleanup Method1: EPA 3665A
Cleanup Date1: 11/30/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 11/30/11

Parameter	Result	Qualifier	Units	RL	MDL
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 04,06-12 Batch: WG504966-1					
Aroclor 1016	ND		ug/kg	32.3	--
Aroclor 1221	ND		ug/kg	32.3	--
Aroclor 1232	ND		ug/kg	32.3	--
Aroclor 1242	ND		ug/kg	32.3	--
Aroclor 1248	ND		ug/kg	32.3	--
Aroclor 1254	ND		ug/kg	32.3	--
Aroclor 1260	ND		ug/kg	32.3	--
Aroclor 1262	ND		ug/kg	32.3	--
Aroclor 1268	ND		ug/kg	32.3	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	78		30-150
Decachlorobiphenyl	75		30-150
2,4,5,6-Tetrachloro-m-xylene	77		30-150
Decachlorobiphenyl	72		30-150

Project Name: RIVER ROAD

Project Number: 181437

Lab Number: L1119650

Report Date: 01/06/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8082
Analytical Date: 12/06/11 23:18
Analyst: GT

Extraction Method: EPA 3546
Extraction Date: 12/06/11 17:00
Cleanup Method1: EPA 3665A
Cleanup Date1: 12/06/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 12/06/11

Parameter	Result	Qualifier	Units	RL	MDL
MCP Polychlorinated Biphenyls - Westborough Lab for sample(s): 05 Batch: WG506432-1					
Aroclor 1016	ND		ug/kg	32.7	--
Aroclor 1221	ND		ug/kg	32.7	--
Aroclor 1232	ND		ug/kg	32.7	--
Aroclor 1242	ND		ug/kg	32.7	--
Aroclor 1248	ND		ug/kg	32.7	--
Aroclor 1254	ND		ug/kg	32.7	--
Aroclor 1260	ND		ug/kg	32.7	--
Aroclor 1262	ND		ug/kg	32.7	--
Aroclor 1268	ND		ug/kg	32.7	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	82		30-150
Decachlorobiphenyl	88		30-150
2,4,5,6-Tetrachloro-m-xylene	106		30-150
Decachlorobiphenyl	109		30-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437
Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 04,06-12 Batch: WG504966-2 WG504966-3								
Aroclor 1016	96		102		40-140	6		30
Aroclor 1260	86		92		40-140	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	79		86		30-150
Decachlorobiphenyl	72		75		30-150
2,4,5,6-Tetrachloro-m-xylene	75		83		30-150
Decachlorobiphenyl	65		68		30-150

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Polychlorinated Biphenyls - Westborough Lab Associated sample(s): 05 Batch: WG506432-2 WG506432-3								
Aroclor 1016	98		90		40-140	9		30
Aroclor 1260	105		96		40-140	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	82		75		30-150
Decachlorobiphenyl	86		82		30-150
2,4,5,6-Tetrachloro-m-xylene	96		90		30-150
Decachlorobiphenyl	101		94		30-150

METALS

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-01	Date Collected:	11/22/11 10:00
Client ID:	NS-9A 0-1.5 (VOC 0.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.06		mg/kg	0.035	--	2	12/09/11 08:00	12/13/11 12:00	EPA 3050B	1,6020A	EM
Cadmium, Total	0.051		mg/kg	0.014	--	2	12/09/11 08:00	12/13/11 12:00	EPA 3050B	1,6020A	EM
Chromium, Total	29.6		mg/kg	0.142	--	2	12/09/11 08:00	12/13/11 12:00	EPA 3050B	1,6020A	EM
Copper, Total	16.7		mg/kg	0.142	--	2	12/09/11 08:00	12/13/11 12:00	EPA 3050B	1,6020A	EM
Lead, Total	12.6		mg/kg	0.106	--	5	12/09/11 08:00	12/13/11 12:23	EPA 3050B	1,6020A	EM
Mercury, Total	ND		mg/kg	0.014	--	5	12/09/11 08:00	12/12/11 13:22	EPA 7474	1,7474	LR
Nickel, Total	16.6		mg/kg	0.071	--	2	12/09/11 08:00	12/13/11 12:00	EPA 3050B	1,6020A	EM
Zinc, Total	46.1		mg/kg	0.709	--	2	12/09/11 08:00	12/13/11 12:00	EPA 3050B	1,6020A	EM

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-02	Date Collected:	11/22/11 10:15
Client ID:	NS-9B 0-1.5 (VOC 0.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	76%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	1.88		mg/kg	0.037	--	2	12/09/11 08:00	12/13/11 12:04	EPA 3050B	1,6020A	EM
Cadmium, Total	0.043		mg/kg	0.015	--	2	12/09/11 08:00	12/13/11 12:04	EPA 3050B	1,6020A	EM
Chromium, Total	32.6		mg/kg	0.150	--	2	12/09/11 08:00	12/13/11 12:04	EPA 3050B	1,6020A	EM
Copper, Total	19.8		mg/kg	0.150	--	2	12/09/11 08:00	12/13/11 12:04	EPA 3050B	1,6020A	EM
Lead, Total	20.6		mg/kg	0.112	--	5	12/09/11 08:00	12/13/11 12:27	EPA 3050B	1,6020A	EM
Mercury, Total	ND		mg/kg	0.016	--	5	12/09/11 08:00	12/12/11 13:39	EPA 7474	1,7474	LR
Nickel, Total	16.6		mg/kg	0.075	--	2	12/09/11 08:00	12/13/11 12:04	EPA 3050B	1,6020A	EM
Zinc, Total	66.4		mg/kg	0.748	--	2	12/09/11 08:00	12/13/11 12:04	EPA 3050B	1,6020A	EM

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-03	Date Collected:	11/22/11 10:15
Client ID:	NS-9 0.15	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Barium, Total	9.09		mg/kg	0.072	--	2	12/09/11 08:00	12/13/11 11:00	EPA 3050B	97,6020A	EM
Selenium, Total	0.253		mg/kg	0.072	--	2	12/09/11 08:00	12/13/11 09:59	EPA 3050B	97,6020A	EM
Silver, Total	ND		mg/kg	0.036	--	2	12/09/11 08:00	12/13/11 14:02	EPA 3050B	97,6020A	EM

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-04	Date Collected:	11/22/11 10:55
Client ID:	NS-7 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Arsenic, Total	3.27		mg/kg	0.039	--	2	12/09/11 08:00	12/13/11 10:01	EPA 3050B	97,6020A	EM
Barium, Total	176		mg/kg	0.079	--	2	12/09/11 08:00	12/13/11 11:01	EPA 3050B	97,6020A	EM
Cadmium, Total	0.2983		mg/kg	0.0394	--	2	12/09/11 08:00	12/13/11 11:01	EPA 3050B	97,6020A	EM
Chromium, Total	25.2		mg/kg	0.158	--	2	12/09/11 08:00	12/13/11 10:01	EPA 3050B	97,6020A	EM
Lead, Total	81.7		mg/kg	0.039	--	2	12/09/11 08:00	12/13/11 11:01	EPA 3050B	97,6020A	EM
Mercury, Total	0.055		mg/kg	0.006	--	1	12/09/11 08:00	12/14/11 12:22	EPA 7471A	97,7471A	LR
Selenium, Total	0.347		mg/kg	0.079	--	2	12/09/11 08:00	12/13/11 10:01	EPA 3050B	97,6020A	EM
Silver, Total	0.101		mg/kg	0.036	--	2	12/09/11 08:00	12/13/11 14:02	EPA 3050B	97,6020A	EM

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-05	Date Collected:	11/22/11 11:20
Client ID:	NS-8 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Arsenic, Total	1.69		mg/kg	0.035	--	2	12/09/11 08:00	12/13/11 10:04	EPA 3050B	97,6020A	EM
Barium, Total	44.2		mg/kg	0.070	--	2	12/09/11 08:00	12/13/11 11:04	EPA 3050B	97,6020A	EM
Cadmium, Total	0.2217		mg/kg	0.0348	--	2	12/09/11 08:00	12/13/11 11:04	EPA 3050B	97,6020A	EM
Chromium, Total	12.0		mg/kg	0.139	--	2	12/09/11 08:00	12/13/11 10:04	EPA 3050B	97,6020A	EM
Lead, Total	56.4		mg/kg	0.035	--	2	12/09/11 08:00	12/13/11 11:04	EPA 3050B	97,6020A	EM
Mercury, Total	0.053		mg/kg	0.006	--	1	12/09/11 08:00	12/14/11 12:25	EPA 7471A	97,7471A	LR
Selenium, Total	0.294		mg/kg	0.070	--	2	12/09/11 08:00	12/13/11 10:04	EPA 3050B	97,6020A	EM
Silver, Total	0.044		mg/kg	0.036	--	2	12/09/11 08:00	12/13/11 14:04	EPA 3050B	97,6020A	EM

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-06	Date Collected:	11/22/11 12:00
Client ID:	NS-5 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Arsenic, Total	2.02		mg/kg	0.031	--	2	12/09/11 08:00	12/13/11 10:06	EPA 3050B	97,6020A	EM
Barium, Total	73.6		mg/kg	0.062	--	2	12/09/11 08:00	12/13/11 11:05	EPA 3050B	97,6020A	EM
Cadmium, Total	ND		mg/kg	0.0312	--	2	12/09/11 08:00	12/13/11 11:05	EPA 3050B	97,6020A	EM
Chromium, Total	20.0		mg/kg	0.125	--	2	12/09/11 08:00	12/13/11 10:06	EPA 3050B	97,6020A	EM
Lead, Total	283		mg/kg	0.031	--	2	12/09/11 08:00	12/13/11 11:05	EPA 3050B	97,6020A	EM
Mercury, Total	0.019		mg/kg	0.005	--	1	12/09/11 08:00	12/14/11 12:34	EPA 7471A	97,7471A	LR
Selenium, Total	0.267		mg/kg	0.062	--	2	12/09/11 08:00	12/13/11 10:06	EPA 3050B	97,6020A	EM
Silver, Total	0.108		mg/kg	0.033	--	2	12/09/11 08:00	12/13/11 14:05	EPA 3050B	97,6020A	EM

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-07	Date Collected:	11/22/11 13:08
Client ID:	NS-6 0-8' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Arsenic, Total	1.45		mg/kg	0.036	--	2	12/09/11 08:00	12/13/11 10:07	EPA 3050B	97,6020A	EM
Barium, Total	75.9		mg/kg	0.071	--	2	12/09/11 08:00	12/13/11 11:06	EPA 3050B	97,6020A	EM
Cadmium, Total	0.2431		mg/kg	0.0355	--	2	12/09/11 08:00	12/13/11 11:06	EPA 3050B	97,6020A	EM
Chromium, Total	24.8		mg/kg	0.142	--	2	12/09/11 08:00	12/13/11 10:07	EPA 3050B	97,6020A	EM
Lead, Total	28.9		mg/kg	0.036	--	2	12/09/11 08:00	12/13/11 11:06	EPA 3050B	97,6020A	EM
Mercury, Total	0.021		mg/kg	0.005	--	1	12/09/11 08:00	12/14/11 12:36	EPA 7471A	97,7471A	LR
Selenium, Total	0.151		mg/kg	0.071	--	2	12/09/11 08:00	12/13/11 10:07	EPA 3050B	97,6020A	EM
Silver, Total	0.047		mg/kg	0.032	--	2	12/09/11 08:00	12/13/11 14:06	EPA 3050B	97,6020A	EM

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-08	Date Collected:	11/22/11 13:50
Client ID:	NS-3 0-10' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Arsenic, Total	1.61		mg/kg	0.033	--	2	12/09/11 08:00	12/13/11 10:08	EPA 3050B	97,6020A	EM
Barium, Total	48.7		mg/kg	0.067	--	2	12/09/11 08:00	12/13/11 11:07	EPA 3050B	97,6020A	EM
Cadmium, Total	0.0573		mg/kg	0.0333	--	2	12/09/11 08:00	12/13/11 11:07	EPA 3050B	97,6020A	EM
Chromium, Total	21.3		mg/kg	0.133	--	2	12/09/11 08:00	12/13/11 10:08	EPA 3050B	97,6020A	EM
Lead, Total	20.5		mg/kg	0.033	--	2	12/09/11 08:00	12/13/11 11:07	EPA 3050B	97,6020A	EM
Mercury, Total	0.040		mg/kg	0.005	--	1	12/09/11 08:00	12/14/11 12:39	EPA 7471A	97,7471A	LR
Selenium, Total	0.195		mg/kg	0.067	--	2	12/09/11 08:00	12/13/11 10:08	EPA 3050B	97,6020A	EM
Silver, Total	0.047		mg/kg	0.034	--	2	12/09/11 08:00	12/13/11 14:07	EPA 3050B	97,6020A	EM

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-09	Date Collected:	11/22/11 14:30
Client ID:	NS-4 0-10' (VOC 3.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Arsenic, Total	1.38		mg/kg	0.034	--	2	12/09/11 08:00	12/13/11 10:09	EPA 3050B	97,6020A	EM
Barium, Total	24.4		mg/kg	0.168	--	5	12/09/11 08:00	12/13/11 11:17	EPA 3050B	97,6020A	EM
Cadmium, Total	0.0616		mg/kg	0.0336	--	2	12/09/11 08:00	12/13/11 11:08	EPA 3050B	97,6020A	EM
Chromium, Total	15.5		mg/kg	0.134	--	2	12/09/11 08:00	12/13/11 10:09	EPA 3050B	97,6020A	EM
Lead, Total	9.47		mg/kg	0.084	--	5	12/09/11 08:00	12/13/11 11:17	EPA 3050B	97,6020A	EM
Mercury, Total	ND		mg/kg	0.005	--	1	12/09/11 08:00	12/14/11 12:42	EPA 7471A	97,7471A	LR
Selenium, Total	0.166		mg/kg	0.067	--	2	12/09/11 08:00	12/13/11 10:09	EPA 3050B	97,6020A	EM
Silver, Total	0.037		mg/kg	0.034	--	2	12/09/11 08:00	12/13/11 14:07	EPA 3050B	97,6020A	EM

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-10	Date Collected:	11/22/11 15:20
Client ID:	NS-1 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Arsenic, Total	1.53		mg/kg	0.036	--	2	12/09/11 08:00	12/13/11 10:10	EPA 3050B	97,6020A	EM
Barium, Total	73.4		mg/kg	0.072	--	2	12/09/11 08:00	12/13/11 11:09	EPA 3050B	97,6020A	EM
Cadmium, Total	0.0759		mg/kg	0.0358	--	2	12/09/11 08:00	12/13/11 11:09	EPA 3050B	97,6020A	EM
Chromium, Total	31.3		mg/kg	0.143	--	2	12/09/11 08:00	12/13/11 10:10	EPA 3050B	97,6020A	EM
Lead, Total	14.9		mg/kg	0.036	--	2	12/09/11 08:00	12/13/11 11:09	EPA 3050B	97,6020A	EM
Mercury, Total	0.014		mg/kg	0.006	--	1	12/09/11 08:00	12/14/11 12:45	EPA 7471A	97,7471A	LR
Selenium, Total	0.145		mg/kg	0.072	--	2	12/09/11 08:00	12/13/11 10:10	EPA 3050B	97,6020A	EM
Silver, Total	0.051		mg/kg	0.035	--	2	12/09/11 08:00	12/13/11 14:08	EPA 3050B	97,6020A	EM

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-11	Date Collected:	11/22/11 16:00
Client ID:	NS-2 0-10' (VOC 6')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Arsenic, Total	1.21		mg/kg	0.034	--	2	12/09/11 08:00	12/13/11 10:12	EPA 3050B	97,6020A	EM
Barium, Total	19.4		mg/kg	0.068	--	2	12/09/11 08:00	12/13/11 11:10	EPA 3050B	97,6020A	EM
Cadmium, Total	0.0407		mg/kg	0.0340	--	2	12/09/11 08:00	12/13/11 11:10	EPA 3050B	97,6020A	EM
Chromium, Total	13.8		mg/kg	0.136	--	2	12/09/11 08:00	12/13/11 10:12	EPA 3050B	97,6020A	EM
Lead, Total	7.12		mg/kg	0.034	--	2	12/09/11 08:00	12/13/11 11:10	EPA 3050B	97,6020A	EM
Mercury, Total	0.013		mg/kg	0.005	--	1	12/09/11 08:00	12/14/11 12:56	EPA 7471A	97,7471A	LR
Selenium, Total	0.130		mg/kg	0.068	--	2	12/09/11 08:00	12/13/11 10:12	EPA 3050B	97,6020A	EM
Silver, Total	ND		mg/kg	0.036	--	2	12/09/11 08:00	12/13/11 14:08	EPA 3050B	97,6020A	EM

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-12	Date Collected:	11/22/11 14:00
Client ID:	NS-10 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab											
Arsenic, Total	1.57		mg/kg	0.035	--	2	12/09/11 08:00	12/13/11 10:13	EPA 3050B	97,6020A	EM
Barium, Total	52.6		mg/kg	0.070	--	2	12/09/11 08:00	12/13/11 11:11	EPA 3050B	97,6020A	EM
Cadmium, Total	0.0723		mg/kg	0.0349	--	2	12/09/11 08:00	12/13/11 11:11	EPA 3050B	97,6020A	EM
Chromium, Total	23.1		mg/kg	0.140	--	2	12/09/11 08:00	12/13/11 10:13	EPA 3050B	97,6020A	EM
Lead, Total	30.4		mg/kg	0.035	--	2	12/09/11 08:00	12/13/11 11:11	EPA 3050B	97,6020A	EM
Mercury, Total	0.023		mg/kg	0.006	--	1	12/09/11 08:00	12/14/11 12:58	EPA 7471A	97,7471A	LR
Selenium, Total	0.185		mg/kg	0.070	--	2	12/09/11 08:00	12/13/11 10:13	EPA 3050B	97,6020A	EM
Silver, Total	0.044		mg/kg	0.033	--	2	12/09/11 08:00	12/13/11 14:09	EPA 3050B	97,6020A	EM

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 03-12 Batch: WG505300-1										
Arsenic, Total	ND		mg/kg	0.050	--	2	12/09/11 08:00	12/13/11 09:53	97,6020A	EM
Barium, Total	ND		mg/kg	0.100	--	2	12/09/11 08:00	12/13/11 10:56	97,6020A	EM
Cadmium, Total	ND		mg/kg	0.0500	--	2	12/09/11 08:00	12/13/11 10:56	97,6020A	EM
Chromium, Total	ND		mg/kg	0.200	--	2	12/09/11 08:00	12/13/11 09:53	97,6020A	EM
Lead, Total	ND		mg/kg	0.050	--	2	12/09/11 08:00	12/13/11 10:56	97,6020A	EM
Selenium, Total	ND		mg/kg	0.100	--	2	12/09/11 08:00	12/13/11 09:53	97,6020A	EM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 03-12 Batch: WG505306-1										
Silver, Total	ND		mg/kg	0.050	--	2	12/09/11 08:00	12/13/11 13:58	97,6020A	EM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Mansfield Lab for sample(s): 04-12 Batch: WG505308-1										
Mercury, Total	ND		mg/kg	0.005	--	1	12/09/11 08:00	12/14/11 11:55	97,7471A	LR

Prep Information

Digestion Method: EPA 7471A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG505322-1										
Arsenic, Total	ND		mg/kg	0.050	--	2	12/09/11 08:00	12/13/11 11:59	1,6020A	EM

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Cadmium, Total	ND	mg/kg	0.020	--	2	12/09/11 08:00	12/13/11 11:59	1,6020A	EM
Chromium, Total	ND	mg/kg	0.200	--	2	12/09/11 08:00	12/13/11 11:59	1,6020A	EM
Copper, Total	ND	mg/kg	0.200	--	2	12/09/11 08:00	12/13/11 11:59	1,6020A	EM
Lead, Total	ND	mg/kg	0.060	--	2	12/09/11 08:00	12/13/11 11:59	1,6020A	EM
Nickel, Total	ND	mg/kg	0.100	--	2	12/09/11 08:00	12/13/11 11:59	1,6020A	EM
Zinc, Total	ND	mg/kg	1.00	--	2	12/09/11 08:00	12/13/11 11:59	1,6020A	EM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG505325-1										
Mercury, Total	ND		mg/kg	0.013	--	5	12/09/11 08:00	12/12/11 13:15	1,7474	LR

Prep Information

Digestion Method: EPA 7474

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 03-12 Batch: WG505300-2 SRM Lot Number: 0518-10-02								
Arsenic, Total	98		-		81-119	-		30
Barium, Total	88		-		83-118	-		30
Cadmium, Total	105		-		82-117	-		30
Chromium, Total	99		-		80-119	-		30
Lead, Total	90		-		80-120	-		30
Selenium, Total	94		-		80-120	-		30
MCP Total Metals - Mansfield Lab Associated sample(s): 03-12 Batch: WG505306-2 SRM Lot Number: 0518-10-02								
Silver, Total	97		-		66-134	-		30
MCP Total Metals - Mansfield Lab Associated sample(s): 04-12 Batch: WG505308-2 SRM Lot Number: 0518-10-02								
Mercury, Total	98		-		67-133	-		30
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG505322-2 SRM Lot Number: S1SPIKE								
Arsenic, Total	98		-		80-120	-		20
Cadmium, Total	100		-		80-120	-		20
Chromium, Total	104		-		80-120	-		20
Copper, Total	104		-		80-120	-		20
Lead, Total	100		-		80-120	-		20
Nickel, Total	104		-		80-120	-		20
Zinc, Total	90		-		80-120	-		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG505325-2 SRM Lot Number: HPHGAF					
Mercury, Total	98	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 03-12 QC Batch ID: WG505300-5 WG505300-6 QC Sample: L1119351-08 Client ID: MS Sample												
Arsenic, Total	9.21	176	177	95		162	93		75-125	9		35
Barium, Total	44.4	176	203	90		199	94		75-125	2		35
Cadmium, Total	0.3384	88	87.36	99		82.12	100		75-125	6		35
Chromium, Total	34.7	176	201	94		192	96		75-125	5		35
Lead, Total	27.8	176	180	86		175	90		75-125	3		35
Selenium, Total	0.487	176	174	98		156	95		75-125	11		35
MCP Total Metals - Mansfield Lab Associated sample(s): 03-12 QC Batch ID: WG505306-5 WG505306-6 QC Sample: L1119351-08 Client ID: MS Sample												
Silver, Total	0.252	1.91	2.08	96		2.03	92		75-125	2		35
MCP Total Metals - Mansfield Lab Associated sample(s): 04-12 QC Batch ID: WG505308-5 WG505308-6 QC Sample: L1119351-08 Client ID: MS Sample												
Mercury, Total	0.050	0.36	0.405	98		0.362	97		75-125	11		35
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG505322-4 QC Sample: L1119650-01 Client ID: NS-9A 0-1.5 (VOC 0.5')												
Arsenic, Total	1.06	148	150	100		-	-		75-125	-		20
Cadmium, Total	0.051	74.1	75.4	102		-	-		75-125	-		20
Chromium, Total	29.6	148	189	108		-	-		75-125	-		20
Copper, Total	16.7	148	201	124		-	-		75-125	-		20
Lead, Total	12.6	148	154	95		-	-		75-125	-		20
Nickel, Total	16.6	148	168	102		-	-		75-125	-		20
Zinc, Total	46.1	148	190	97		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG505325-4 QC Sample: L1119650-01 Client ID: NS-9A 0-1.5 (VOC 0.5')									
Mercury, Total	ND	1.36	1.48	109	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 03-12 QC Batch ID: WG505300-4 QC Sample: L1119351-08 Client ID: DUP Sample						
Cadmium, Total	0.3384	0.2901	mg/kg	15		35
MCP Total Metals - Mansfield Lab Associated sample(s): 03-12 QC Batch ID: WG505300-4 QC Sample: L1119351-08 Client ID: DUP Sample						
Barium, Total	44.4	44.7	mg/kg	1		35
Lead, Total	27.8	25.0	mg/kg	11		35
MCP Total Metals - Mansfield Lab Associated sample(s): 03-12 QC Batch ID: WG505300-4 QC Sample: L1119351-08 Client ID: DUP Sample						
Arsenic, Total	9.21	8.80	mg/kg	5		35
Chromium, Total	34.7	34.6	mg/kg	0		35
Selenium, Total	0.487	0.560	mg/kg	14		35
MCP Total Metals - Mansfield Lab Associated sample(s): 03-12 QC Batch ID: WG505306-4 QC Sample: L1119351-08 Client ID: DUP Sample						
Silver, Total	0.252	0.242	mg/kg	4		35
MCP Total Metals - Mansfield Lab Associated sample(s): 04-12 QC Batch ID: WG505308-4 QC Sample: L1119351-08 Client ID: DUP Sample						
Mercury, Total	0.050	0.054	mg/kg	7		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG505322-3 QC Sample: L1119650-01 Client ID: NS-9A 0-1.5 (VOC 0.5')					
Arsenic, Total	1.06	0.981	mg/kg	8	20
Cadmium, Total	0.051	0.041	mg/kg	**21**	20
Chromium, Total	29.6	28.3	mg/kg	4	20
Copper, Total	16.7	19.8	mg/kg	17	20
Nickel, Total	16.6	16.0	mg/kg	4	20
Zinc, Total	46.1	42.8	mg/kg	7	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG505322-3 QC Sample: L1119650-01 Client ID: NS-9A 0-1.5 (VOC 0.5')					
Lead, Total	12.6	10.3	mg/kg	20	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG505325-3 QC Sample: L1119650-01 Client ID: NS-9A 0-1.5 (VOC 0.5')					
Mercury, Total	ND	0.021	mg/kg	NC	20

Project Name: RIVER ROAD
Project Number: 181437

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L1119650
Report Date: 01/06/12

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
MCP Total Metals - Mansfield Lab Associated sample(s): 03-12 QC Batch ID: WG505300-7 QC Sample: L1119351-08 Client ID: DUP Sample						
Barium, Total	44.4	47.5	mg/kg	7		10
Lead, Total	27.8	31.9	mg/kg	**15**	Q	10
MCP Total Metals - Mansfield Lab Associated sample(s): 03-12 QC Batch ID: WG505300-7 QC Sample: L1119351-08 Client ID: DUP Sample						
Arsenic, Total	9.21	9.00	mg/kg	2		10
Chromium, Total	34.7	37.3	mg/kg	7		10
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG505322-5 QC Sample: L1119650-01 Client ID: NS-9A 0-1.5 (VOC 0.5')						
Arsenic, Total	1.06	1.06	mg/kg	0		10
Chromium, Total	29.6	29.6	mg/kg	0		10
Copper, Total	16.7	17.5	mg/kg	5		10
Nickel, Total	16.6	17.0	mg/kg	2		10
Zinc, Total	46.1	47.1	mg/kg	2		10
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG505322-5 QC Sample: L1119650-01 Client ID: NS-9A 0-1.5 (VOC 0.5')						
Lead, Total	12.6	15.4	mg/kg	**22**	Q	10

INORGANICS
&
MISCELLANEOUS

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-03	Date Collected:	11/22/11 10:15
Client ID:	NS-9 0.15	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/28/11 19:05	1,1030	TL

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-04
Client ID: NS-7 0-10' (VOC 2')
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/22/11 10:55
Date Received: 11/23/11
Field Prep: Not Specified

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/28/11 19:05	1,1030	TL

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-05	Date Collected:	11/22/11 11:20
Client ID:	NS-8 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/28/11 19:05	1,1030	TL

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-06	Date Collected:	11/22/11 12:00
Client ID:	NS-5 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/28/11 19:05	1,1030	TL

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-07	Date Collected:	11/22/11 13:08
Client ID:	NS-6 0-8' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/28/11 19:05	1,1030	TL

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-08	Date Collected:	11/22/11 13:50
Client ID:	NS-3 0-10' (VOC 1.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/28/11 19:05	1,1030	TL

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-09	Date Collected:	11/22/11 14:30
Client ID:	NS-4 0-10' (VOC 3.5')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/28/11 19:05	1,1030	TL

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-10	Date Collected:	11/22/11 15:20
Client ID:	NS-1 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/28/11 19:05	1,1030	TL

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-11	Date Collected:	11/22/11 16:00
Client ID:	NS-2 0-10' (VOC 6')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/28/11 19:05	1,1030	TL

Project Name:	RIVER ROAD	**Lab Number:**	L1119650
Project Number:	181437	**Report Date:**	01/06/12

SAMPLE RESULTS

Lab ID:	L1119650-12	Date Collected:	11/22/11 14:00
Client ID:	NS-10 0-10' (VOC 2')	Date Received:	11/23/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/28/11 19:05	1,1030	TL

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-01
Client ID: NS-9A 0-1.5 (VOC 0.5')
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/22/11 10:00
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.384		%	0.010	--	1	-	12/07/11 06:45	1,9060	NR
Total Organic Carbon (Rep2)	0.424		%	0.010	--	1	-	12/07/11 06:45	1,9060	NR
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	11/30/11 00:00	12,D422	NA
% Coarse Gravel	50.4		%	0.100	NA	1	-	11/30/11 00:00	12,D422	NA
% Fine Gravel	37.4		%	0.100	NA	1	-	11/30/11 00:00	12,D422	NA
% Coarse Sand	2.97		%	0.100	NA	1	-	11/30/11 00:00	12,D422	NA
% Medium Sand	3.82		%	0.100	NA	1	-	11/30/11 00:00	12,D422	NA
% Fine Sand	3.67		%	0.100	NA	1	-	11/30/11 00:00	12,D422	NA
% Total Fines	1.67		%	0.100	NA	1	-	11/30/11 00:00	12,D422	NA
General Chemistry - Westborough Lab										
Solids, Total	86		%	0.10	NA	1	-	11/28/11 11:29	30,2540G	MD
General Chemistry - Mansfield Lab										
Moisture	13.4		%	0.100	NA	1	-	11/29/11 21:00	30,2540G	ES

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-02
Client ID: NS-9B 0-1.5 (VOC 0.5')
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/22/11 10:15
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	0.815		%	0.010	--	1	-	12/07/11 06:45	1,9060	NR
Total Organic Carbon (Rep2)	0.757		%	0.010	--	1	-	12/07/11 06:45	1,9060	NR
Grain Size Analysis - Mansfield Lab										
Cobbles	ND		%	0.100	NA	1	-	11/30/11 00:00	12,D422	NA
% Coarse Gravel	54.5		%	0.100	NA	1	-	11/30/11 00:00	12,D422	NA
% Fine Gravel	32.1		%	0.100	NA	1	-	11/30/11 00:00	12,D422	NA
% Coarse Sand	4.08		%	0.100	NA	1	-	11/30/11 00:00	12,D422	NA
% Medium Sand	4.55		%	0.100	NA	1	-	11/30/11 00:00	12,D422	NA
% Fine Sand	3.81		%	0.100	NA	1	-	11/30/11 00:00	12,D422	NA
% Total Fines	0.950		%	0.100	NA	1	-	11/30/11 00:00	12,D422	NA
General Chemistry - Westborough Lab										
Solids, Total	76		%	0.10	NA	1	-	11/28/11 11:29	30,2540G	MD
General Chemistry - Mansfield Lab										
Moisture	18.9		%	0.100	NA	1	-	11/29/11 21:00	30,2540G	ES

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-03
Client ID: NS-9 0.15
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/22/11 10:15
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance	240		umhos/cm	10	--	1	-	11/23/11 22:30	1,9050A	KK
Solids, Total	82		%	0.10	NA	1	-	11/28/11 11:29	30,2540G	MD
pH	7.1		SU	-	NA	1	-	11/23/11 22:30	1,9045C	KK
Cyanide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:03	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:15	1,7.3	TL

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-04
Client ID: NS-7 0-10' (VOC 2')
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/22/11 10:55
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance	54		umhos/cm	10	--	1	-	11/23/11 22:30	1,9050A	KK
Solids, Total	84		%	0.10	NA	1	-	11/28/11 11:29	30,2540G	MD
pH	7.5		SU	-	NA	1	-	11/23/11 22:30	1,9045C	KK
Cyanide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:03	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:15	1,7.3	TL

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-05
Client ID: NS-8 0-10' (VOC 2')
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/22/11 11:20
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance	68		umhos/cm	10	--	1	-	11/23/11 22:30	1,9050A	KK
Solids, Total	87		%	0.10	NA	1	-	11/28/11 11:29	30,2540G	MD
pH	7.1		SU	-	NA	1	-	11/23/11 22:30	1,9045C	KK
Cyanide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:03	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:16	1,7.3	TL

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-06
Client ID: NS-5 0-10' (VOC 2')
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/22/11 12:00
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance	17		umhos/cm	10	--	1	-	11/23/11 22:30	1,9050A	KK
Solids, Total	90		%	0.10	NA	1	-	11/28/11 11:29	30,2540G	MD
pH	6.9		SU	-	NA	1	-	11/23/11 22:30	1,9045C	KK
Cyanide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:03	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:16	1,7.3	TL

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-07
Client ID: NS-6 0-8' (VOC 1.5')
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/22/11 13:08
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance	12		umhos/cm	10	--	1	-	11/23/11 22:30	1,9050A	KK
Solids, Total	88		%	0.10	NA	1	-	11/28/11 11:29	30,2540G	MD
pH	7.0		SU	-	NA	1	-	11/23/11 22:30	1,9045C	KK
Cyanide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:04	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:16	1,7.3	TL

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-08
Client ID: NS-3 0-10' (VOC 1.5')
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/22/11 13:50
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance	12		umhos/cm	10	--	1	-	11/23/11 22:30	1,9050A	KK
Solids, Total	90		%	0.10	NA	1	-	11/28/11 11:29	30,2540G	MD
pH	7.1		SU	-	NA	1	-	11/23/11 22:30	1,9045C	KK
Cyanide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:04	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:16	1,7.3	TL

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-09
Client ID: NS-4 0-10' (VOC 3.5')
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/22/11 14:30
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance	ND		umhos/cm	10	--	1	-	11/23/11 22:30	1,9050A	KK
Solids, Total	92		%	0.10	NA	1	-	11/28/11 11:29	30,2540G	MD
pH	6.7		SU	-	NA	1	-	11/23/11 22:30	1,9045C	KK
Cyanide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:04	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:17	1,7.3	TL

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-10
Client ID: NS-1 0-10' (VOC 2')
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/22/11 15:20
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance	54		umhos/cm	10	--	1	-	11/23/11 22:30	1,9050A	KK
Solids, Total	89		%	0.10	NA	1	-	11/28/11 11:29	30,2540G	MD
pH	8.3		SU	-	NA	1	-	11/23/11 22:30	1,9045C	KK
Cyanide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:10	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:17	1,7.3	TL

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-11
Client ID: NS-2 0-10' (VOC 6')
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/22/11 16:00
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance	15		umhos/cm	10	--	1	-	11/23/11 22:30	1,9050A	KK
Solids, Total	92		%	0.10	NA	1	-	11/28/11 11:29	30,2540G	MD
pH	7.4		SU	-	NA	1	-	11/23/11 22:30	1,9045C	KK
Cyanide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:10	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:17	1,7.3	TL

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

SAMPLE RESULTS

Lab ID: L1119650-12
Client ID: NS-10 0-10' (VOC 2')
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 11/22/11 14:00
Date Received: 11/23/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Specific Conductance	11		umhos/cm	10	--	1	-	11/23/11 22:30	1,9050A	KK
Solids, Total	90		%	0.10	NA	1	-	11/28/11 11:29	30,2540G	MD
pH	7.3		SU	-	NA	1	-	11/23/11 22:30	1,9045C	KK
Cyanide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:10	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:18	1,7.3	TL

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03-12 Batch: WG504794-1										
Cyanide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:02	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03-12 Batch: WG504796-1										
Sulfide, Reactive	ND		mg/kg	10	--	1	11/28/11 16:40	11/28/11 18:14	1,7.3	TL
Total Organic Carbon - Mansfield Lab for sample(s): 01-02 Batch: WG505215-1										
Total Organic Carbon (Rep1)	ND		%	0.010	--	1	-	12/07/11 06:45	1,9060	NR
Total Organic Carbon (Rep2)	ND		%	0.010	--	1	-	12/07/11 06:45	1,9060	NR

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG504373-1								
Specific Conductance	97		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 03-12 Batch: WG504392-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-12 Batch: WG504794-2								
Cyanide, Reactive	46		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-12 Batch: WG504796-2								
Sulfide, Reactive	112		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 04-12 Batch: WG504849-1								
Specific Conductance	97		-		80-120	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG504373-2 QC Sample: L1119560-01 Client ID: DUP Sample						
Specific Conductance	150	150	umhos/cm	0		20
General Chemistry - Westborough Lab Associated sample(s): 03-12 QC Batch ID: WG504392-2 QC Sample: L1119653-07 Client ID: DUP Sample						
pH	6.4	6.5	SU	2		5
General Chemistry - Westborough Lab Associated sample(s): 01-12 QC Batch ID: WG504694-1 QC Sample: L1119650-03 Client ID: NS-9 0.15						
Solids, Total	82	84	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 03-12 QC Batch ID: WG504794-3 QC Sample: L1119650-12 Client ID: NS-10 0-10' (VOC 2')						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-12 QC Batch ID: WG504796-3 QC Sample: L1119650-12 Client ID: NS-10 0-10' (VOC 2')						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 04-12 QC Batch ID: WG504849-2 QC Sample: L1117946-116 Client ID: DUP Sample						
Specific Conductance	150	150	umhos/cm	0		20
General Chemistry - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG505216-1 QC Sample: L1119650-02 Client ID: NS-9B 0-1.5 (VOC 0.5')						
Moisture	18.9	17.7	%	7		10

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Grain Size Analysis - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG505217-1 QC Sample: L1119650-01 Client ID: NS-9A 0-1.5 (VOC 0.5')					
Cobbles	ND	ND	%	NC	20
% Coarse Gravel	50.4	53.9	%	7	20
% Fine Gravel	37.4	32.9	%	13	20
% Coarse Sand	2.9	3.45	%	15	20
% Medium Sand	3.8	4.00	%	5	20
% Fine Sand	3.6	3.95	%	7	20
% Total Fines	1.6	1.73	%	4	20

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

S.R.M. Standard Quality Control

Standard Reference Material (SRM): WG505215-2

Parameter	% Recovery	Qual	QC Criteria
Total Organic Carbon (Rep1)	97		75-125
Total Organic Carbon (Rep2)	109		75-125

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 11/23/2011 21:43

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1119650-01A	Vial water preserved	A	N/A	4.3	Y	Absent	8260HLW(14)
L1119650-01B	Vial water preserved	A	N/A	4.3	Y	Absent	8260HLW(14)
L1119650-01C	Vial MeOH preserved	A	N/A	4.3	Y	Absent	8260HLW(14)
L1119650-01D	Amber 120ml unpreserved	A	N/A	4.3	Y	Absent	EPH-10(14),TS(7)
L1119650-01E	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	A2-PB-6020T(180),A2-MOISTURE-2540(7),A2-NI-6020T(180),A2-ZN-6020T(180),A2-HG-7474T(28),A2-CR-6020T(180),A2-AS-6020T(180),A2-CD-6020T(180),A2-HGPREP-AF(28),A2-PREP-3050:2T(180),A2-TOC-9060-2REPS(28),A2-CU-6020T(180),A2-PAH/PCBCONG(14)
L1119650-01F	Bag	A	N/A	4.3	Y	Absent	A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-CSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1119650-02A	Vial MeOH preserved	A	N/A	4.3	Y	Absent	8260HLW(14)
L1119650-02B	Vial water preserved	A	N/A	4.3	Y	Absent	8260HLW(14)
L1119650-02C	Vial MeOH preserved	A	N/A	4.3	Y	Absent	8260HLW(14)
L1119650-02D	Amber 120ml unpreserved	A	N/A	4.3	Y	Absent	EPH-10(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1119650-02E	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	A2-PB-6020T(180),A2-MOISTURE-2540(7),A2-NI-6020T(180),A2-ZN-6020T(180),A2-HG-7474T(28),A2-CR-6020T(180),A2-AS-6020T(180),A2-CD-6020T(180),A2-HGPREP-AF(28),A2-PREP-3050:2T(180),A2-TOC-9060-2REPS(28),A2-CU-6020T(180),A2-PAH/PCBCONG(14)
L1119650-02F	Bag	A	N/A	4.3	Y	Absent	A2-HYDRO-TFINE(),A2-HYDRO-CGRAVEL(),A2-HYDRO-FSAND(),A2-HYDRO-MSAND(),A2-HYDRO-CSAND(),A2-HYDRO-COBBLES(),A2-HYDRO-FGRAVEL()
L1119650-03A	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	MCP-8270-10(14)
L1119650-03B	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	A2-BA-MCP6020T-10(180),A2-AG-MCP6020T-10(180),A2-SE-MCP6020T-10(180)
L1119650-03C	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),REACTCN(14),COND-9050(28)
L1119650-04A	Vial MeOH preserved	A	N/A	4.3	Y	Absent	MCP-8260HLW-10(14)
L1119650-04B	Vial water preserved	A	N/A	4.3	Y	Absent	MCP-8260HLW-10(14)
L1119650-04C	Vial water preserved	A	N/A	4.3	Y	Absent	MCP-8260HLW-10(14)
L1119650-04D	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	TPH-DRO-D(14)
L1119650-04E	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	IGNIT-1030(14),MCP-8082-10(365),REACTS(14),PH-9045(1),REACTCN(14),COND-9050(28)
L1119650-04F	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	A2-BA-MCP6020T-10(180),A2-CR-MCP6020T-10(180),A2-AG-MCP6020T-10(180),A2-AS-MCP6020T-10(180),A2-CD-MCP6020T-10(180),A2-HG-MCP7471T-10(28),A2-SE-MCP6020T-10(180),A2-PB-MCP6020T-10(180)
L1119650-04G	Amber 120ml unpreserved	A	N/A	4.3	Y	Absent	TS(7)
L1119650-05A	Vial MeOH preserved	A	N/A	4.3	Y	Absent	MCP-8260HLW-10(14)
L1119650-05B	Vial water preserved	A	N/A	4.3	Y	Absent	MCP-8260HLW-10(14)
L1119650-05C	Vial water preserved	A	N/A	4.3	Y	Absent	MCP-8260HLW-10(14)
L1119650-05D	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	TPH-DRO-D(14)
L1119650-05E	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	IGNIT-1030(14),MCP-8082-10(365),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1119650-05F	Amber 250ml unpreserved	A	N/A	4.3	Y	Absent	A2-CR-MCP6020T-10(180),A2-AG-MCP6020T-10(180),A2-AS-MCP6020T-10(180),A2-CD-MCP6020T-10(180),A2-HG-MCP7471T-10(28)
L1119650-05G	Amber 120ml unpreserved	A	N/A	4.3	Y	Absent	TS(7)
L1119650-06A	Vial MeOH preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-06B	Vial water preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-06C	Vial water preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-06D	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	TPH-DRO-D(14)
L1119650-06E	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	IGNIT-1030(14),MCP-8082-10(365),REACTS(14),PH-9045(1),REACTCN(14),COND-9050(28)
L1119650-06F	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	A2-BA-MCP6020T-10(180),A2-CR-MCP6020T-10(180),A2-AG-MCP6020T-10(180),A2-AS-MCP6020T-10(180),A2-CD-MCP6020T-10(180),A2-HG-MCP7471T-10(28),A2-SE-MCP6020T-10(180),A2-PB-MCP6020T-10(180)
L1119650-06G	Amber 120ml unpreserved	B	N/A	4.7	Y	Absent	TS(7)
L1119650-07A	Vial MeOH preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-07B	Vial water preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-07C	Vial water preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-07D	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	TPH-DRO-D(14)
L1119650-07E	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	IGNIT-1030(14),MCP-8082-10(365),REACTS(14),PH-9045(1),REACTCN(14),COND-9050(28)
L1119650-07F	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	A2-BA-MCP6020T-10(180),A2-CR-MCP6020T-10(180),A2-AG-MCP6020T-10(180),A2-AS-MCP6020T-10(180),A2-CD-MCP6020T-10(180),A2-HG-MCP7471T-10(28),A2-SE-MCP6020T-10(180),A2-PB-MCP6020T-10(180)
L1119650-07G	Amber 120ml unpreserved	B	N/A	4.7	Y	Absent	TS(7)
L1119650-08A	Vial MeOH preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-08B	Vial water preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-08C	Vial water preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-08D	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	TPH-DRO-D(14)
L1119650-08E	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	IGNIT-1030(14),MCP-8082-10(365),REACTS(14),PH-9045(1),REACTCN(14),COND-9050(28)

*Values in parentheses indicate holding time in days

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1119650-08F	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	A2-BA-MCP6020T-10(180),A2-CR-MCP6020T-10(180),A2-AG-MCP6020T-10(180),A2-AS-MCP6020T-10(180),A2-CD-MCP6020T-10(180),A2-HG-MCP7471T-10(28),A2-SE-MCP6020T-10(180),A2-PB-MCP6020T-10(180)
L1119650-08G	Amber 120ml unpreserved	B	N/A	4.7	Y	Absent	TS(7)
L1119650-09A	Vial MeOH preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-09B	Vial water preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-09C	Vial water preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-09D	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	TPH-DRO-D(14)
L1119650-09E	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	IGNIT-1030(14),MCP-8082-10(365),REACTS(14),PH-9045(1),REACTCN(14),COND-9050(28)
L1119650-09F	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	A2-BA-MCP6020T-10(180),A2-CR-MCP6020T-10(180),A2-AG-MCP6020T-10(180),A2-AS-MCP6020T-10(180),A2-CD-MCP6020T-10(180),A2-HG-MCP7471T-10(28),A2-SE-MCP6020T-10(180),A2-PB-MCP6020T-10(180)
L1119650-09G	Amber 120ml unpreserved	B	N/A	4.7	Y	Absent	TS(7)
L1119650-10A	Vial MeOH preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-10B	Vial water preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-10C	Vial water preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-10D	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	TPH-DRO-D(14)
L1119650-10E	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	IGNIT-1030(14),MCP-8082-10(365),REACTS(14),PH-9045(1),REACTCN(14),COND-9050(28)
L1119650-10F	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	A2-BA-MCP6020T-10(180),A2-CR-MCP6020T-10(180),A2-AG-MCP6020T-10(180),A2-AS-MCP6020T-10(180),A2-CD-MCP6020T-10(180),A2-HG-MCP7471T-10(28),A2-SE-MCP6020T-10(180),A2-PB-MCP6020T-10(180)
L1119650-10G	Amber 120ml unpreserved	B	N/A	4.7	Y	Absent	TS(7)
L1119650-11A	Vial MeOH preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-11B	Vial water preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-11C	Vial water preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-11D	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	TPH-DRO-D(14)

*Values in parentheses indicate holding time in days

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1119650
Report Date: 01/06/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1119650-11E	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	IGNIT-1030(14),MCP-8082-10(365),REACTS(14),PH-9045(1),REACTCN(14),COND-9050(28)
L1119650-11F	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	A2-BA-MCP6020T-10(180),A2-CR-MCP6020T-10(180),A2-AG-MCP6020T-10(180),A2-AS-MCP6020T-10(180),A2-CD-MCP6020T-10(180),A2-HG-MCP7471T-10(28),A2-SE-MCP6020T-10(180),A2-PB-MCP6020T-10(180)
L1119650-11G	Amber 120ml unpreserved	B	N/A	4.7	Y	Absent	TS(7)
L1119650-12A	Vial MeOH preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-12B	Vial water preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-12C	Vial water preserved	B	N/A	4.7	Y	Absent	MCP-8260HLW-10(14)
L1119650-12D	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	TPH-DRO-D(14)
L1119650-12E	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	IGNIT-1030(14),MCP-8082-10(365),REACTS(14),PH-9045(1),REACTCN(14),COND-9050(28)
L1119650-12F	Amber 250ml unpreserved	B	N/A	4.7	Y	Absent	A2-BA-MCP6020T-10(180),A2-CR-MCP6020T-10(180),A2-AG-MCP6020T-10(180),A2-AS-MCP6020T-10(180),A2-CD-MCP6020T-10(180),A2-HG-MCP7471T-10(28),A2-SE-MCP6020T-10(180),A2-PB-MCP6020T-10(180)
L1119650-12G	Amber 120ml unpreserved	B	N/A	4.7	Y	Absent	TS(7)
L1119650-13A	Vial MeOH preserved	B	N/A	4.7	Y	Absent	8260HLW(14),8260H(14)
L1119650-13B	Vial water preserved	B	N/A	4.7	Y	Absent	8260HLW(14),8260H(14)
L1119650-13C	Vial water preserved	B	N/A	4.7	Y	Absent	8260HLW(14),8260H(14)

Container Comments

L1119650-01E	SAMPLES L1119650-01E & 02E RETURNED TO CUSTODY REFRIGERATOR D-1 ON 11/29/11 @ 20:30. SYSTEM DOWN COULD NOT BE SCANNED ON 11/29/11.
L1119650-02E	SAMPLES L1119650-01E & 02E RETURNED TO CUSTODY REFRIGERATOR D-1 ON 11/29/11 @ 20:30. SYSTEM DOWN COULD NOT BE SCANNED ON 11/29/11.

*Values in parentheses indicate holding time in days

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name: RIVER ROAD **Lab Number:** L1119650

Project Number: 181437 **Report Date:** 01/06/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: RIVER ROAD **Lab Number:** L1119650
Project Number: 181437 **Report Date:** 01/06/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

12 Annual Book of ASTM Standards. American Society for Testing and Materials.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

98 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MassDEP, May 2004, Revision 1.1 with QC Requirements & Performance Standards for the Analysis of EPH under the Massachusetts Contingency Plan, WSC-CAM-IVB, July 2010.

105 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997 in conjunction with Determination of Pesticides and PCBs in Water and Oil/Sediment by GC/MS: Method 680. EPA 01A0005295, November 1985.

LIMITATION OF LIABILITIES

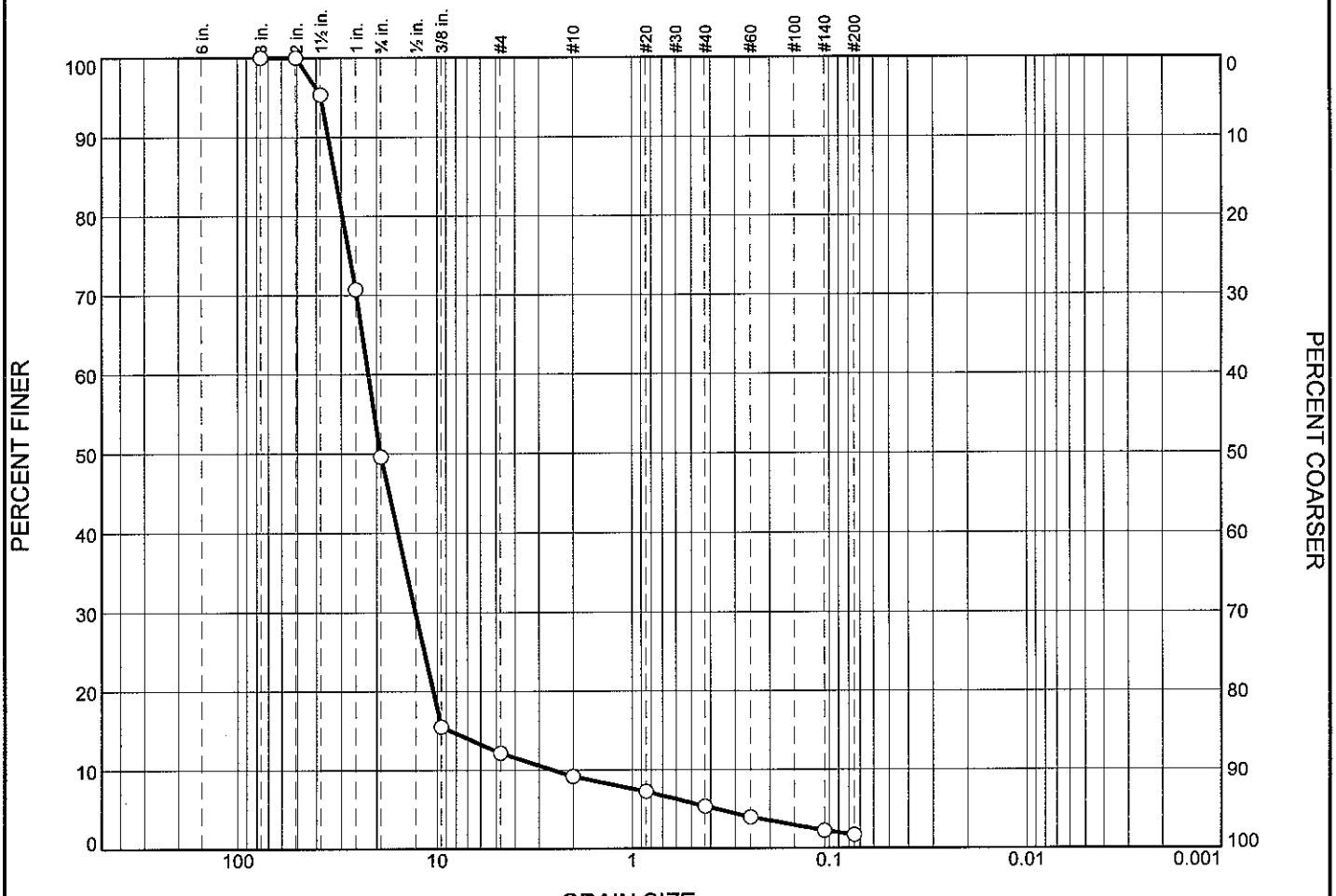
Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

ASTM 422D-63

Grain Size Analysis

Particle Size Distribution Report



	% Cobbles	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.00	50.42	37.45	2.97	3.82	3.67	1.67	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			32.1436	21.9565	19.1581	12.7932	8.6073	2.5523	2.92	8.60

	Material Description	USCS	AASHTO
○		GW	

Project No. L1119650 **Client:** TRC
Project: River Road

○ **Source of Sample:** NS-9A 0-1.5 **Sample Number:** L1119650-01

Remarks:

Alpha Analytical

Mansfield, MA

Figure

Tested By: JON **Checked By:** NR

GRAIN SIZE DISTRIBUTION TEST DATA

12/8/2011

Client: TRC
Project: River Road
Project Number: L1119650
Location: NS-9A 0-1.5
Sample Number: L1119650-01
USCS Classification: GW
Tested by: JON **Checked by:** NR

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer	Percent Retained
2411.60	255.30	3	527.80	527.80	100.00	0.00
		2	533.60	533.60	100.00	0.00
		1.5	653.40	552.80	95.33	4.67
		1	1087.10	555.60	70.69	29.31
		.75	1019.80	564.80	49.58	50.42
		.375	1288.60	553.40	15.49	84.51
		#4	598.71	526.22	12.13	87.87
		#10	555.79	491.90	9.16	90.84
		#20	458.62	417.14	7.24	92.76
		#40	416.91	375.88	5.34	94.66
		#60	395.26	365.53	3.96	96.04
		#140	379.84	342.51	2.23	97.77
		#200	327.73	315.72	1.67	98.33

Fractional Components

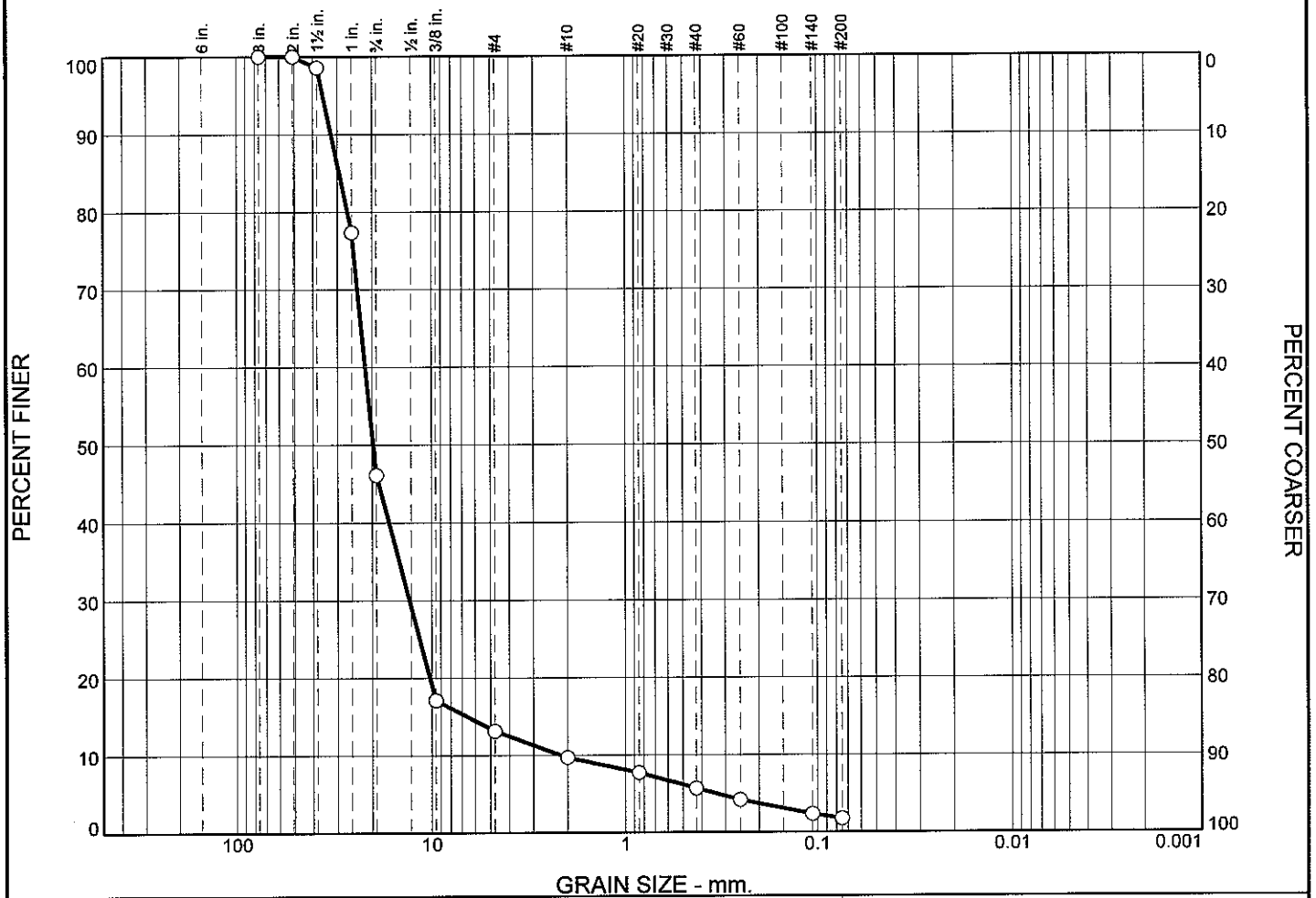
Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.00	50.42	37.45	87.87	2.97	3.82	3.67	10.46			1.67

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
2.5523	8.6073	10.4397	12.7932	19.1581	21.9565	29.6056	32.1436	34.8991	37.8909

Fineness Modulus	C_u	C_c
6.96	8.60	2.92

Alpha Analytical

Particle Size Distribution Report



	% Cobbles	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.00	53.93	32.94	3.45	4.00	3.95	1.73	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			29.4176	21.6571	19.7513	12.9677	6.5903	2.1662	3.58	10.00

Material Description	USCS	AASHTO
○ ROCKS	GP	

Project No. L1119650 **Client:** TRC
Project: River Road

○ **Source of Sample:** NS-9A 0-1.5 **Sample Number:** WG505217-1

Remarks:

Alpha Analytical

Mansfield, MA

Figure

Tested By: JON **Checked By:** NR

GRAIN SIZE DISTRIBUTION TEST DATA

12/8/2011

Client: TRC
Project: River Road
Project Number: L1119650
Location: NS-9A 0-1.5
Sample Number: WG505217-1
Material Description: ROCKS
USCS Classification: GP
Tested by: JON **Checked by:** NR

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer	Percent Retained
2156.40	254.50	3	527.80	527.80	100.00	0.00
		2	533.60	533.60	100.00	0.00
		1.5	580.40	552.80	98.55	1.45
		1	959.60	555.60	77.31	22.69
		.75	1158.80	564.80	46.07	53.93
		.375	1104.40	553.40	17.10	82.90
		#4	601.88	526.29	13.13	86.87
		#10	557.55	491.98	9.68	90.32
		#20	454.60	417.11	7.71	92.29
		#40	414.62	375.94	5.68	94.32
		#60	393.96	365.54	4.18	95.82
		#140	377.97	342.55	2.32	97.68
		#200	326.85	315.70	1.73	98.27

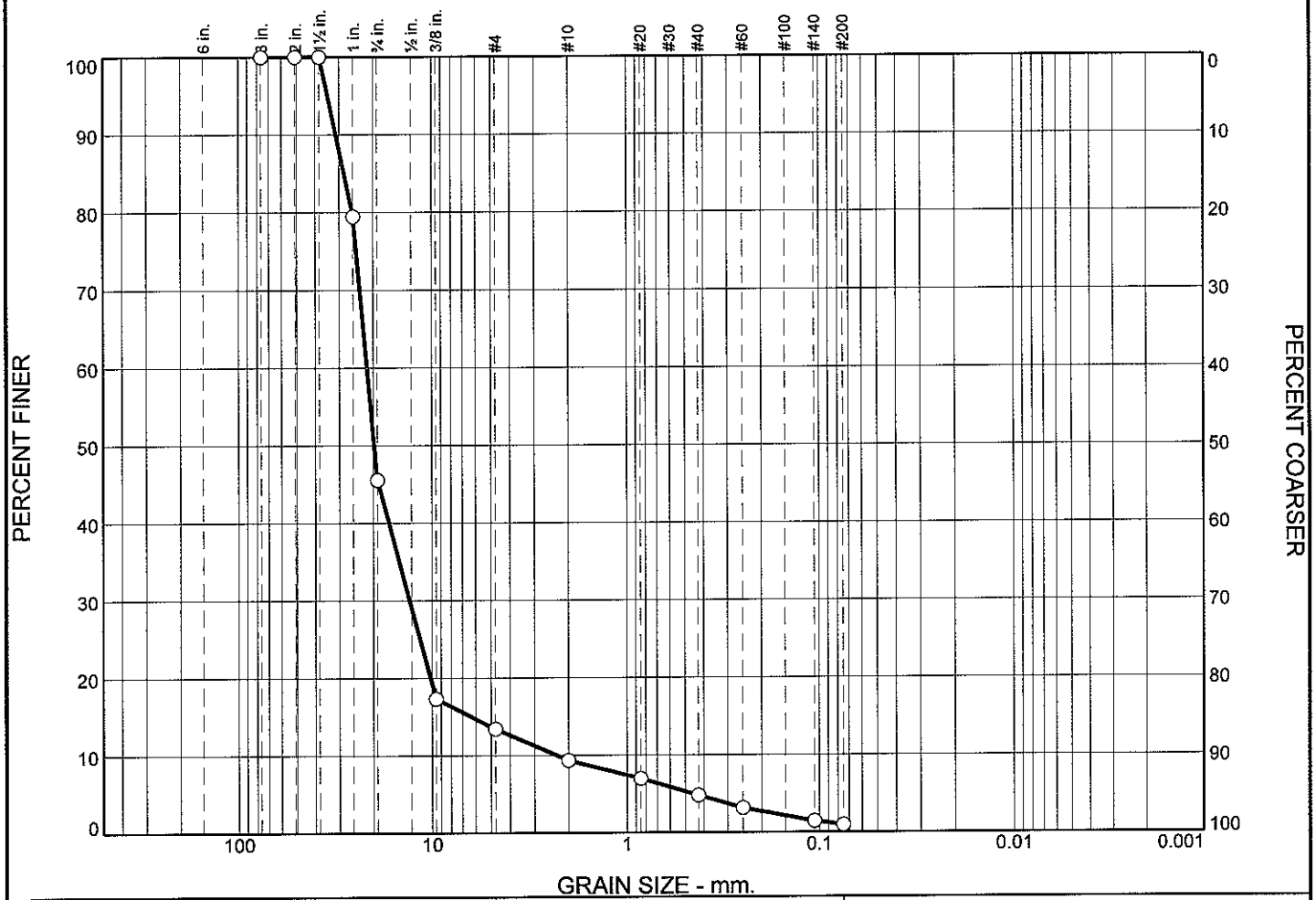
Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.00	53.93	32.94	86.87	3.45	4.00	3.95	11.40			1.73

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
2.1662	6.5903	10.2084	12.9677	19.7513	21.6571	26.7398	29.4176	32.3636	35.6046

Fineness Modulus	C_u	C_c
6.92	10.00	3.58

Particle Size Distribution Report



	% Cobbles	% Gravel		% Sand			% Fines	
		Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.00	54.48	32.13	4.08	4.55	3.81	0.95	

	LL	PL	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
○			28.3529	21.5410	19.7883	13.0131	6.3274	2.3167	3.39	9.30

	Material Description	USCS	AASHTO
○		GP	

Project No. L1119650 **Client:** TRC

Project: River Road

○ **Source of Sample:** NS-9B 1-1.5 **Sample Number:** L1119650-02

Remarks:

Alpha Analytical

Mansfield, MA

Figure

Tested By: JON **Checked By:** NR

GRAIN SIZE DISTRIBUTION TEST DATA

12/8/2011

Client: TRC
Project: River Road
Project Number: L1119650
Location: NS-9B 1-1.5
Sample Number: L1119650-02
USCS Classification: GP
Tested by: JON **Checked by:** NR

Sieve Test Data

Dry Sample and Tare (grams)	Tare (grams)	Sieve Opening Size	Weight Retained (grams)	Sieve Weight (grams)	Percent Finer	Percent Retained
3082.20	253.65	3	527.80	527.80	100.00	0.00
		2	533.60	533.60	100.00	0.00
		1.5	552.80	552.80	100.00	0.00
		1	1137.80	555.60	79.42	20.58
		.75	1523.60	564.80	45.52	54.48
		.375	1351.80	553.40	17.29	82.71
		#4	636.67	526.33	13.39	86.61
		#10	608.15	492.55	9.31	90.69
		#20	489.26	422.89	6.96	93.04
		#40	436.52	374.34	4.76	95.24
		#60	406.33	360.22	3.13	96.87
		#140	385.07	336.63	1.42	98.58
		#200	351.02	337.80	0.95	99.05

Fractional Components

Cobbles	Gravel			Sand				Fines		
	Coarse	Fine	Total	Coarse	Medium	Fine	Total	Silt	Clay	Total
0.00	54.48	32.13	86.61	4.08	4.55	3.81	12.44			0.95

D_{10}	D_{15}	D_{20}	D_{30}	D_{50}	D_{60}	D_{80}	D_{85}	D_{90}	D_{95}
2.3167	6.3274	10.1796	13.0131	19.7883	21.5410	25.6934	28.3529	31.2877	34.5262

Fineness Modulus	C_u	C_c
6.94	9.30	3.39

Certificate/Approval Program Summary

Last revised January 3, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 3005A,3015,1312,6010B,6010C,SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X. Organic Parameters: EPA 8260B)

Solid & Hazardous Waste (Inorganic Parameters: EPA 3050B, 1311, 1312, 6010B, 6010C, 9030B, 9010B, 9012A, 9014. Organic Parameters: EPA 5035, 5030B, 8260B.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

Certificate/Approval Program Summary

Last revised January 3, 2012 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C, 8270D.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 245.7, 1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8260B, 8270C, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, SM2320B, SM2540D, 2540G, EPA 180.1, 1631E, SW-846 7470A, 9040B, 6020, 9050A. Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 7474, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610C, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 245.7, 7470A, 9014, 9040B, 9050, 120.1, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 3020A. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A,7471B, 7474. Organic Parameters: EPA3050B, 3540C, 3630C, 8270C, 8081B, 8082A.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters:EPA 3020A,6020A,245.7,9040B,SM4500H-B. Organic Parameters: EPA 3510C,3640A,3660B,3665A,8270C,8270D,8082A,8081B.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 11/23/11

ALPHA Job #: L1119650

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: TRC.
Address: 650 SUFFOLK ST
LOWELL MA
Phone: 978 970 5600
Fax:
Email: DPETTIT@TRCSOLUTIONS.COM, DSULLIVAN@ " " " "
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RIVER ROAD
Project Location: NEW BEDFORD MA
Project #:
Project Manager: DAVID PETTIT
ALPHA Quote #:

Turn-Around Time

☑ Standard 5-DAY ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/2 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MCP. MA Criteria MCP. COM 97.

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ALPHA Lab ID (Lab Use Only)	Sample ID COMP/(GRAB)	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC BY 8260	COND / TS	SVOC BY 8270	PCBs / (PCB CONG.)	TOTAL As, Cd, Cr, Pb, Hg RCRA 5 (*+3)	TPH 1020.	TOTAL Ag, Ba & Se	CORROSIVITY / IGNITIBILITY pH	REACTIVE CYANIDE SULFIDE F.P.	TOC & % WATER BY EPA 9060	EPH WT PAH BY SIM (ASTM 8270)	GRAIN SIZE ASTM D422	Sample Specific Comments	TOTAL # BOTTLES
19650.1	NS-9A 0-1.5 (VOC 0.5')	11/22	10:00	SE	J.T.	✓			+✓	*✓					✓	✓	✓	* RCRA 5 + Cu, Zn, Ni + PCB CONGENERS	5
2	NS-9B 0-1.5 (VOC 0.5')	11/22	10:15	SE/S	J.T.	✓			+✓	*✓					✓	✓	✓	* RCRA 5 + Cu, Zn, Ni + PCB CONGENERS	5
3	NS-9 0-1.5 ~~(VOC)~~	11/22	10:15	SE/S	J.T.		✓	✓			✓	✓	✓					TCLP HOLD	3
4	NS-7 0-10' (VOC 2')	11/22	10:55	S	J.T.	✓	✓	✓	✓	✓	✓		✓	✓				AS COM 97 " "	7
5	NS-8 0-10' (VOC 2')	11/22	11:20	S	J.T.	✓	✓	✓	✓	✓	✓		✓	✓				COM 97 " "	7
6	NS-5 0-10' (VOC 2')	11/22	12:00	S	J.T.	✓	✓	✓	✓	✓	✓		✓	✓				" " " "	7
7	NS-6 0-8' (VOC 1.5')	11/22	13:08	S	J.T.	✓	✓	✓	✓	✓	✓		✓	✓				" " " "	7
8	NS-3 0-10' (VOC 2')	11/22	13:50	S	J.T.	✓	✓	✓	✓	✓	✓		✓	✓				" " " "	7
9	NS-4 0-10' (VOC 3.5')	11/22	14:30	S	J.T.	✓	✓	✓	✓	✓	✓		✓	✓				" " " "	7
10	NS-1 0-10' (VOC 2')	11/22	15:20	S	J.T.	✓	✓	✓	✓	✓	✓		✓	✓				" " " "	7
					Container Type	V	A	A	A	A	A	A	A	A	A	A	A		
					Preservative	F/O													

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Aaron C. Tiano	11/23	[signature]	11/23/11 1000
[signature]	11/23 1035	[signature]	11/23/11 1035

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

Serial_No:01061213:14

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 11/23/11

ALPHA Job #: L1119650

Client Information

Client: TRC.

Address: 650 SUFFOLK ST. LOWELL MA.

Phone: 978. 970-5600

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RIVER ROAD

Project Location: NEW BEDFORD MA

Project #:

Project Manager:

ALPHA Quote #:

Turn-Around Time

☑ Standard 5-DAY ☐ RUSH (only confirmed if pre-approved!)

Date Due: 12/2 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MA MCP. Criteria COM 97

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC BY 8260	COND / T.S.	SVOC BY 8270	PCBs	RCRA 5 TOTAL As/Cd/Pb/Hg/Cr	TPH D20	CORROSIVITY pH	FLAMABILITY F.P.	REACTIVE CYANIDE SULFIDE	EXTRA VOL TCLP HOLD			Sample Specific Comments	TOTAL # BOTTLES
19650.11	NS-2 0-10' (VOCS 6')	11/22	16:00	S	J.J.	✓	✓	✓	✓	✓	✓	✓	✓		✓			COM 97.	7
12	NS-10 0-10' (VOCS 2')	11/22	14:00	S	J.J.	✓	✓	✓	✓	✓	✓	✓	✓		✓			COM 97.	7
13	TRIP BLANK			-		✓													3

SAMPLE HANDLING

Filtration ____
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

Container Type	V	A	A	A	A	A	A	A		A			
Preservative	P/O												

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	11/23 11/23/11 1031	[illegible]	11/23/11 1020 11/23/11 1035

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

Serial_No:01061213:14

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: TRC.
Address: 650 SUFFOLK ST LOWELL MA
Phone: 978 970 5600
Fax:
Email: DPETTIT@TRCSOLUTIONS.COM. DSULLIVAN@ " " " "

❑ These samples have been previously analyzed by Alpha

Project Information

Project Name: RIVER ROAD
Project Location: NEW BEDFORD MA
Project #: 181437
Project Manager: DAVID PETTIT
ALPHA Quote #:

Turn-Around Time

☑ Standard 5-DAY ❑ RUSH (only confirmed if pre-approved)
Date Due: 12/2 Time:

Report Information - Data Deliverables

❑ FAX ☑ EMAIL
❑ ADEx ❑ Add'l Deliverables

Billing Information

❑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MCP. MA Criteria MCP. COM 97.

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ❑ No Are MCP Analytical Methods Required?
❑ Yes ❑ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
❑ Yes ❑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: VOC BY 8260 | COND / TS | SVOC BY 8270 | PCBs / (PCB CONG.) | TOTAL As/Cd/Cr (RCRA 3) | TPH 270 / GRO | TOTAL As, Ba, Se | CORROSIVITY / IGNITIBILITY / F.P. | REACTIVE CYANIDE SULFIDE | TOC % / % WATER EPA | PAH (PAH SIM ASTM 8270) | GRAIN SIZE ASTM D422

SAMPLE HANDLING
Filtration
❑ Done
❑ Not needed
❑ Lab to do
Preservation
❑ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC BY 8260	COND / TS	SVOC BY 8270	PCBs / (PCB CONG.)	TOTAL As/Cd/Cr (RCRA 3)	TPH 270 / GRO	TOTAL As, Ba, Se	CORROSIVITY / IGNITIBILITY / F.P.	REACTIVE CYANIDE SULFIDE	TOC % / % WATER EPA	PAH (PAH SIM ASTM 8270)	GRAIN SIZE ASTM D422	Sample Specific Comments	TOTAL # BOTTLES
	NS-9A 0-1.5 (VOC 0.5')	11/22	10:00	SE	JT	✓			✓	✓					✓	✓	✓	* RCRA 5 + CU, ZN, NI + PCB CONGENERS	5
	NS-9B 0-1.5 (VOC 0.5')	11/22	10:15	SE/S	JT	✓			✓	✓					✓	✓	✓	* RCRA 5 + CU, ZN, NI + PCB CONGENERS	5
	NS-9 0-1.5 (~~VOC~~ 1.5')	11/22	10:15	SE/S	JT		✓	✓				✓	✓	✓			BA SE AG	ADD TOTAL BA SE AG (FIELD HOLD)	3
	NS-7 0-10' (VOC 2')	11/22	10:55	S	JT	✓	✓	✓	✓	✓	✓		✓	✓			BA SE AG	AS COM 97 " "	7
	NS-8 0-10' (VOC 2')	11/22	11:20	S	JT	✓	✓	✓	✓	✓	✓		✓	✓			✓	COM 97 " "	7
	NS-5 0-10' (VOC 2')	11/22	12:00	S	JT	✓	✓	✓	✓	✓	✓		✓	✓			✓	" " " "	7
	NS-6 0-8' (VOC 1.5')	11/22	13:08	S	JT	✓	✓	✓	✓	✓	✓		✓	✓			✓	" " " "	7
	NS-3 0-10' (VOC 2')	11/22	13:50	S	JT	✓	✓	✓	✓	✓	✓		✓	✓			✓	" " " "	7
	NS-4 0-10' (VOC 3.5')	11/22	14:30	S	JT	✓	✓	✓	✓	✓	✓		✓	✓			✓	" " " "	7
	NS-1 0-10' (VOC 2')	11/22	15:20	S	JT	✓	✓	✓	✓	✓	✓		✓	✓			✓	" " " "	7
					Container Type	V	A	A	A	A	A	A	A	A	A	A	A		
					Preservative	F/O													

NOTE REVISED 11/28/11 NOTE ADDITION OF TOTAL BASeAg

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Aaron C. Tiano	11/23	[illegible]	11/23/11 1:00

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #:

Client Information

Client: TRC.
Address: 650 SUFFOLK ST. LOWELL MA.
Phone: 978. 970-5600
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RIVER ROAD
Project Location: NEW BEDFORD MA
Project #: 181437
Project Manager:
ALPHA Quote #:

Turn-Around Time

☑ Standard 5-DAY ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/2 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MA MCP. Criteria COM 97

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC BY 8260	COND / T.S.	SVOC BY 8270	PCBs	RCRA 5 TOTAL As/Cd/Pb/Hg/Cr	TPH DRO	CORROSIVITY/ PH	FLAMABILITY F.P.	REACTIVE CYANIDE SULFIDE	EXTRA VOL TCLP HOLD	TOTAL Ba, Se & As	Sample Specific Comments	TOTAL # BOTTLES
	NS-2 0-10' (VOC 6')	11/22	16:00	S	J.J.	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	COM 97.	7
	NS-10 0-10' (VOC 2')	11/22	14:00	S	J.J.	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	COM 97.	7
	TRIP BLANK			-		✓												3

Container Type	V	A	A	A	A	A	A	A		A
Preservative	F/O									

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	11/23	[illegible]	11/23/11 1020

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd In Lab: 11/23/11

ALPHA Job #: L1119650

Client Information

Client: TRC.

Address: 650 SUFFOLK ST LOWELL MA

Phone: 978 970 5600

Fax:

Email: DPETTIT@TRCSOLUTIONS.COM, DSULLIVAN@ " " " "

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RIVER ROAD

Project Location: NEW BEDFORD MA

Project #:

Project Manager: DAVID PETTIT

ALPHA Quote #:

Turn-Around Time

☑ Standard 5-DAY ☐ RUSH (only confirmed if pre-approved!)

Date Due: 12/2 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MCP. MA Criteria MCP. COM 97.

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: SVOC BY 8270; PCBs (PCB CONG.); TOTAL As, Cd, Cr, Pb, Hg (RCRA 5); TOTAL Ag, Ba, Se; TOC % WATER BY EPA 160.3; GRAIN SIZE ASTM D422

SAMPLE HANDLING: Filtration ☐ Done ☐ Not needed ☐ Lab to do; Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID COMP / (GRAB)	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SVOC BY 8270	PCBs (PCB CONG.)	TOTAL As, Cd, Cr, Pb, Hg (RCRA 5)	TOTAL Ag, Ba, Se	TOC % WATER BY EPA 160.3	GRAIN SIZE ASTM D422	Sample Specific Comments	TOTAL # BOTTLES
19650-1	NS-9A 0-1.5 (VOC 0.5')	11/22	10:00	SE	JT.	✓	+ ✓	* ✓		✓	✓	* RCRA 5 + CU, ZN, NI + PCB CONGENERS	5
2	NS-9B 0-1.5 (VOC 0.5')	11/22	10:15	SE/S	JT.	✓	+ ✓	* ✓		✓	✓	* RCRA 5 + CU, ZN, NI + PCB CONGENERS	5
3	NS-9 0-1.5 ~~(VOC)~~ JT.	11/22	10:15	SE/S	JT.			✓	✓			TCLP HOLD	3
4	NS-7 0-10' (VOC 2')	11/22	10:55	S	JT.	✓	✓	✓	✓			AS COM 97 " "	7
5	NS-8 0-10' (VOC 2')	11/22	11:20	S	JT.	✓	✓	✓	✓			COM 97 " "	7
6	NS-5 0-10' (VOC 2')	11/22	12:00	S	JT.	✓	✓	✓	✓			" " " "	7
7	NS-6 0-8' (VOC 1.5')	11/22	13:08	S	JT.	✓	✓	✓	✓			" " " "	7
8	NS-3 0-10' (VOC 2')	11/22	13:50	S	JT.	✓	✓	✓	✓			" " " "	7
9	NS-4 0-10' (VOC 3.5')	11/22	14:30	S	JT.	✓	✓	✓	✓			" " " "	7
10	NS-1 0-10' (VOC 2')	11/22	15:20	S	JT.	✓	✓	✓	✓			" " " "	7
					Container Type	V	A	A	A	A	A	A	A	A	A	A	A
					Preservative	F/O											

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Aaron C. Tiano	11/23	Pat Cure	11/23/11 1035
Pat Cure	11/23/11 1035	Pat Cure	11/28/11 740
Pat Cure	11/28/11 855	[illegible]	11/28/11 0855

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 11/23/11

ALPHA Job #: L1119650

Client Information

Client: TRC.
Address: 650 SUFFOLK ST. LOWELL MA.
Phone: 978. 970-5600
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RIVER ROAD
Project Location: NEW BEDFORD MA
Project #:
Project Manager:
ALPHA Quote #:

Turn-Around Time

☑ Standard 5-DAY ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/2 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MA MCP. Criteria COM 97

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: SVOC BY 8270; PCBs; RCRA 5 TOTAL As/Cd/Pb/Hg/Cr

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SVOC BY 8270	PCBs	RCRA 5 TOTAL As/Cd/Pb/Hg/Cr	Sample Specific Comments	TOTAL # BOTTLES
19650.11	NS-2 0-10' (VOCs 6')	11/22	16:00	S	JJ.	✓	✓	✓	COM 97.	7
12	NS-10 0-10' (VOCs 2')	11/22	14:00	S	JJ.	✓	✓	✓	COM 97.	7
13	TRIP BLANK			-						3

Container Type	V	A	A	A	A	A	A	A		A		
Preservative	P/O											

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	11/23	[illegible]	11/23/11 1030
[illegible]	11/23/11 1031	[illegible]	11/23/11 1235
[illegible]	11/28/11	[illegible]	11/28/11 7[illegible]
[illegible]	11/28/11 858	[illegible]	11/28/11 0855

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

TABLE 5

MCP 8260B Volatile Internal Standards with Corresponding Target Compounds and Surrogates Assigned for Quantitation

Fluorobenzene	Chlorobenzene-d5	1,4-Dichlorobenzene-d4
dichlorodifluoromethane	toluene-d8 surr	bromoform
chloromethane	toluene	1,1,2,2,-tetrachloroethane
vinyl chloride	trans-1,3-dichloropropene	4-bromofluorobenzene surr
bromomethane	1,1,2-trichloroethane	1,2,3-trichloropropane
chloroethane	2-hexanone	trans-1,4-dichloro-2-butene
trichlorofluoromethane	1,3-dichloropropane	n-propylbenzene
ethyl ether	tetrachloroethene	bromobenzene
Freon 113	chlorodibromomethane	1,3,5-trimethybenzene
acetone	1,2-dibromoethane	2-chlorotoluene
1,1,-dichloroethene	chlorobenzene	4-chorotoluene
carbon disulfide	1,1,1,2-tetrachloroethane	tert-butylbenzene
methylene chloride	ethyl benzene	1,2,4-trimethylbenzene
acrylonitrile	p/m xylene	sec-butylbenzene
methyl tert butyl ether	o xylene	p-isopropyltoluene
Hexane	styrene	1,3-dichlorobenzene
trans-1,2-dichloroethene	isopropylbenzene	1,4-dichlorobenzene
Diisopropyl Ether		n-butylbenzene
1,1-dichloroethane		1,2-dichlorobenzene
Ethyl-Tert-Butyl-Ether		1,2-dibromo-3-chloropropane
2-butanone		1,2,4-trichlorobenzene
2,2-dichloropropane		hexachlorobutadiene
cis-1,2-dichloroethene		naphthalene
chloroform		1,2,3-trichlorobenzene
bromochloromethane		
tetrahydrofuran		
dibromofluoromethane		
1,1,1-trichloroethane		
1,1-dichloropropene		
carbon tetrachloride		
Tertiary-Amyl Methyl Ether		
1,2-dichloroethane-d4 surr		
1,2-dichloroethane		
benzene		
trichloroethene		
1,2-dichloropropane		
bromodichloromethane		
1,4-Dioxane		
dibromomethane		

7A
Volatile CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1119650

Instrument ID: Charlie.i Calibration Date: 30-NOV-2011 Time: 08:35

Lab File ID: 1130A01 Init. Calib. Date(s): 21-NOV-2 22-NOV-2

Sample No: wg505778-1,31,5 Init. Calib. Times : 22:41 01:28

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.15209	.11583	.1	24	20	F
chloromethane	.17261	.15979	.1	7	20	
vinyl chloride	.15585	.15144	.1	3	20	
bromomethane	.10726	.13199	.1	-23	20	F
chloroethane	.06341	.08355	.1	-32	20	F
trichlorofluoromethane	.2772	.3887	.1	-40	20	F
ethyl ether	.09005	.09256	.05	-3	20	
1,1,-dichloroethene	.15007	.15406	.1	-3	20	
carbon disulfide	.45961	.41829	.1	9	20	
methylene chloride	.16887	.17106	.1	-1	20	
acetone	.08005	.081	.1	-1	20	F
trans-1,2-dichloroethene	.16856	.1743	.1	-3	20	
methyl tert butyl ether	.48575	.49585	.1	-2	20	
Diisopropyl Ether	.48228	.46205	.05	4	20	
1,1-dichloroethane	.29935	.32412	.2	-8	20	
Ethyl-Tert-Butyl-Ether	.55381	.56865	.05	-3	20	
cis-1,2-dichloroethene	.1773	.18832	.1	-6	20	
2,2-dichloropropane	.27493	.32565	.05	-18	20	
bromochloromethane	.09496	.10358	.05	-9	20	
chloroform	.34371	.37325	.2	-9	20	
carbontetrachloride	.29085	.34325	.1	-18	20	
tetrahydrofuran	.0725	.06622	.05	9	20	
1,1,1-trichloroethane	.33355	.39509	.1	-18	20	
2-butanone	.10765	.09931	.1	8	20	
1,1-dichloropropene	.22997	.24491	.05	-6	20	
benzene	.59596	.62118	.5	-4	20	
Tertiary-Amyl Methyl Ether	.42611	.43401	.05	-2	20	
1,2-dichloroethane	.2861	.34432	.1	-20	20	F
trichloroethene	.20164	.21536	.2	-7	20	
dibromomethane	.10941	.11873	.05	-9	20	
1,2-dichloropropane	.15214	.15139	.1	0	20	
bromodichloromethane	.23424	.25026	.2	-7	20	
1,4-dioxane	.00253	.0027	.05	-7	20	F
cis-1,3-dichloropropene	.2384	.24888	.2	-4	20	
toluene	.54063	.50405	.4	7	20	
4-methyl-2-pentanone	.07423	.07069	.1	5	20	F
tetrachloroethene	.25074	.25978	.2	-4	20	
trans-1,3-dichloropropene	.30527	.30906	.1	-1	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1119650

Instrument ID: Charlie.i Calibration Date: 30-NOV-2011 Time: 08:35

Lab File ID: 1130A01 Init. Calib. Date(s): 21-NOV-2 22-NOV-2

Sample No: wg505778-1,31,5 Init. Calib. Times : 22:41 01:28

Compound	RRF	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.14239	.13748	.1	3	20
chlorodibromomethane	.24437	.23849	.1	2	20
1,3-dichloropropane	.305	.29057	.05	5	20
1,2-dibromoethane	.19816	.18737	.1	5	20
2-hexanone	.16139	.14566	.1	10	20
chlorobenzene	.65219	.6262	.5	4	20
ethyl benzene	1.0754	1.0894	.1	-1	20
1,1,1,2-tetrachloroethane	.24645	.25477	.05	-3	20
p/m xylene	.39792	.40399	.1	-2	20
o xylene	.37754	.38595	.3	-2	20
styrene	.63192	.66065	.3	-5	20
bromoform	.2759	.23826	.1	14	20
isopropylbenzene	1.7222	1.6509	.1	4	20
bromobenzene	.47748	.44985	.05	6	20
n-propylbenzene	2.0335	1.9889	.05	2	20
1,1,2,2,-tetrachloroethane	.38175	.33595	.3	12	20
2-chlorotoluene	1.3380	1.3081	.05	2	20
1,3,5-trimethybenzene	1.5484	1.539	.05	1	20
1,2,3-trichloropropane	.36808	.3446	.05	6	20
4-chorotoluene	1.3903	1.3575	.05	2	20
tert-butylbenzene	1.3628	1.3216	.05	3	20
1,2,4-trimethylbenzene	1.5551	1.5810	.05	-2	20
sec-butylbenzene	1.8773	1.8174	.05	3	20
p-isopropyltoluene	1.7030	1.7559	.05	-3	20
1,3-dichlorobenzene	.94478	.9337	.6	1	20
1,4-dichlorobenzene	.97896	.95676	.5	2	20
n-butylbenzene	1.5364	1.5505	.05	-1	20
1,2-dichlorobenzene	.89289	.85307	.4	4	20
1,2-dibromo-3-chloropropane	.0852	.08144	.05	4	20
hexachlorobutadiene	.31896	.30599	.05	4	20
1,2,4-trichlorobenzene	.62895	.62526	.2	1	20
naphthalene	1.6149	1.4625	.05	9	20
1,2,3-trichlorobenzene	.54391	.54205	.05	0	20
dibromofluoromethane	.28761	.31847	.05	-11	30
1,2-dichloroethane-d4	.35001	.41063	.05	-17	30
toluene-d8	1.2012	1.1694	.05	3	30
4-bromofluorobenzene	.87365	.84531	.05	3	30

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1119650

Instrument ID: Charlie.i Calibration Date: 01-DEC-2011 Time: 11:01

Lab File ID: 1201B01 Init. Calib. Date(s): 21-NOV-2 22-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 22:41 01:28

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.15209	.08278	.1	46	20	F
chloromethane	.17261	.13024	.1	25	20	F
vinyl chloride	.15585	.13644	.1	12	20	
bromomethane	.10726	.11981	.1	-12	20	
chloroethane	.06341	.07151	.1	-13	20	F
trichlorofluoromethane	.2772	.33884	.1	-22	20	F
ethyl ether	.09005	.08171	.05	9	20	
1,1,-dichloroethene	.15007	.14118	.1	6	20	
carbon disulfide	.45961	.50949	.1	-11	20	
methylene chloride	.16887	.16068	.1	5	20	
acetone	.08005	.07482	.1	7	20	F
trans-1,2-dichloroethene	.16856	.16107	.1	4	20	
methyl tert butyl ether	.48575	.4365	.1	10	20	
Diisopropyl Ether	.48228	.39186	.05	19	20	
1,1-dichloroethane	.29935	.29358	.2	2	20	
Ethyl-Tert-Butyl-Ether	.55381	.49296	.05	11	20	
cis-1,2-dichloroethene	.1773	.17368	.1	2	20	
2,2-dichloropropane	.27493	.30475	.05	-11	20	
bromochloromethane	.09496	.09573	.05	-1	20	
chloroform	.34371	.33926	.2	1	20	
carbontetrachloride	.29085	.31174	.1	-7	20	
tetrahydrofuran	.0725	.05502	.05	24	20	F
1,1,1-trichloroethane	.33355	.35999	.1	-8	20	
2-butanone	.10765	.10012	.1	7	20	
1,1-dichloropropene	.22997	.22276	.05	3	20	
benzene	.59596	.56624	.5	5	20	
Tertiary-Amyl Methyl Ether	.42611	.38184	.05	10	20	
1,2-dichloroethane	.2861	.30855	.1	-8	20	
trichloroethene	.20164	.19597	.2	3	20	
dibromomethane	.10941	.11179	.05	-2	20	
1,2-dichloropropane	.15214	.14117	.1	7	20	
bromodichloromethane	.23424	.23233	.2	1	20	
1,4-dioxane	.00253	.00256	.05	-1	20	F
cis-1,3-dichloropropene	.2384	.23561	.2	1	20	
toluene	.54063	.4674	.4	14	20	
4-methyl-2-pentanone	.07423	.07418	.1	0	20	F
tetrachloroethene	.25074	.2403	.2	4	20	
trans-1,3-dichloropropene	.30527	.29429	.1	4	20	

FORM VII MCP-8260HLW-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1119650

Instrument ID: Charlie.i Calibration Date: 01-DEC-2011 Time: 11:01

Lab File ID: 1201B01 Init. Calib. Date(s): 21-NOV-2 22-NOV-2

Sample No: 8260 CCAL Init. Calib. Times : 22:41 01:28

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
1,1,2-trichloroethane	.14239	.12737	.1	11	20	
chlorodibromomethane	.24437	.2228	.1	9	20	
1,3-dichloropropane	.305	.27155	.05	11	20	
1,2-dibromoethane	.19816	.17883	.1	10	20	
2-hexanone	.16139	.15103	.1	6	20	
chlorobenzene	.65219	.57849	.5	11	20	
ethyl benzene	1.0754	.99722	.1	7	20	
1,1,1,2-tetrachloroethane	.24645	.23285	.05	6	20	
p/m xylene	.39792	.36905	.1	7	20	
o xylene	.37754	.34636	.3	8	20	
styrene	.63192	.59112	.3	6	20	
bromoform	.2759	.2221	.1	20	20	
isopropylbenzene	1.7222	1.5138	.1	12	20	
bromobenzene	.47748	.41911	.05	12	20	
n-propylbenzene	2.0335	1.8092	.05	11	20	
1,1,2,2,-tetrachloroethane	.38175	.30294	.3	21	20	F
2-chlorotoluene	1.3380	1.1894	.05	11	20	
1,3,5-trimethybenzene	1.5484	1.4060	.05	9	20	
1,2,3-trichloropropane	.36808	.31534	.05	14	20	
4-chorotoluene	1.3903	1.2505	.05	10	20	
tert-butylbenzene	1.3628	1.2136	.05	11	20	
1,2,4-trimethylbenzene	1.5551	1.4487	.05	7	20	
sec-butylbenzene	1.8773	1.6657	.05	11	20	
p-isopropyltoluene	1.7030	1.5968	.05	6	20	
1,3-dichlorobenzene	.94478	.84249	.6	11	20	
1,4-dichlorobenzene	.97896	.86703	.5	11	20	
n-butylbenzene	1.5364	1.3997	.05	9	20	
1,2-dichlorobenzene	.89289	.77116	.4	14	20	
1,2-dibromo-3-chloropropane	.0852	.07374	.05	13	20	
hexachlorobutadiene	.31896	.27842	.05	13	20	
1,2,4-trichlorobenzene	.62895	.5569	.2	11	20	
naphthalene	1.6149	1.3091	.05	19	20	
1,2,3-trichlorobenzene	.54391	.47397	.05	13	20	
dibromofluoromethane	.28761	.31326	.05	-9	30	
1,2-dichloroethane-d4	.35001	.3979	.05	-14	30	
toluene-d8	1.2012	1.1726	.05	2	30	
4-bromofluorobenzene	.87365	.84933	.05	3	30	

FORM VII MCP-8260HLW-10

ANALYTICAL REPORT

Lab Number:	L1201917
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	David Sullivan
Phone:	(978) 656-3565
Project Name:	RIVER ROAD
Project Number:	181437.0000.0000
Report Date:	02/17/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIVER ROAD
Project Number: 181437.0000.0000

Lab Number: L1201917
Report Date: 02/17/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1201917-01	NS-5/2	NEW BEDFORD, MA	02/02/12 13:00
L1201917-02	NS-6/1.5	NEW BEDFORD, MA	02/02/12 13:30
L1201917-03	NS-4/3.5	NEW BEDFORD, MA	02/02/12 14:00
L1201917-04	NS-3/2	NEW BEDFORD, MA	02/02/12 14:20
L1201917-05	NS-10/2	NEW BEDFORD, MA	02/02/12 14:30

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: RIVER ROAD **Lab Number:** L1201917
Project Number: 181437.0000.0000 **Report Date:** 02/17/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Volatile Organics

In reference to question G:

The requested CAM reporting limits were not achieved for Methylene chloride, Dichlorodifluoromethane, 2,2-Dichloropropane, Bromobenzene, and Ethyl ether.

In reference to question H:

The WG516970-1 LCS recovery, associated with L1201917-01 through -05, is above the individual acceptance criteria for Bromomethane (139%), but within the overall method allowances. The results of the associated samples are reported; however, all positive detects are considered to have a potentially high bias for this compound.

The initial calibration, associated with L1201917-01 through -05, did not meet the method required minimum response factors on the lowest calibration standards for 1,4-Dioxane (0.00307), as well as the average

Project Name:	RIVER ROAD	**Lab Number:**	L1201917
Project Number:	181437.0000.0000	**Report Date:**	02/17/12

Case Narrative (continued)

response factor for 1,4-Dioxane.

The continuing calibration standard, associated with L1201917-01 through -05, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative

Date: 02/17/12

ORGANICS

VOLATILES

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID:	L1201917-01	Date Collected:	02/02/12 13:00
Client ID:	NS-5/2	Date Received:	02/03/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	02/05/12 16:09		
Analyst:	BN		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1200	--	1
1,1-Dichloroethane	ND		ug/kg	180	--	1
Chloroform	ND		ug/kg	180	--	1
Carbon tetrachloride	ND		ug/kg	120	--	1
1,2-Dichloropropane	ND		ug/kg	420	--	1
Dibromochloromethane	ND		ug/kg	120	--	1
1,1,2-Trichloroethane	ND		ug/kg	180	--	1
Tetrachloroethene	ND		ug/kg	120	--	1
Chlorobenzene	ND		ug/kg	120	--	1
Trichlorofluoromethane	ND		ug/kg	470	--	1
1,2-Dichloroethane	ND		ug/kg	120	--	1
1,1,1-Trichloroethane	ND		ug/kg	120	--	1
Bromodichloromethane	ND		ug/kg	120	--	1
trans-1,3-Dichloropropene	ND		ug/kg	120	--	1
cis-1,3-Dichloropropene	ND		ug/kg	120	--	1
1,1-Dichloropropene	ND		ug/kg	470	--	1
Bromoform	ND		ug/kg	470	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	120	--	1
Benzene	ND		ug/kg	120	--	1
Toluene	ND		ug/kg	180	--	1
Ethylbenzene	ND		ug/kg	120	--	1
Chloromethane	ND		ug/kg	470	--	1
Bromomethane	ND		ug/kg	240	--	1
Vinyl chloride	ND		ug/kg	240	--	1
Chloroethane	ND		ug/kg	240	--	1
1,1-Dichloroethene	ND		ug/kg	120	--	1
trans-1,2-Dichloroethene	ND		ug/kg	180	--	1
Trichloroethene	ND		ug/kg	120	--	1
1,2-Dichlorobenzene	ND		ug/kg	470	--	1
1,3-Dichlorobenzene	ND		ug/kg	470	--	1
1,4-Dichlorobenzene	ND		ug/kg	470	--	1

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID: L1201917-01 Date Collected: 02/02/12 13:00

Client ID: NS-5/2 Date Received: 02/03/12

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	240	--	1
p/m-Xylene	ND		ug/kg	240	--	1
o-Xylene	ND		ug/kg	240	--	1
cis-1,2-Dichloroethene	ND		ug/kg	120	--	1
Dibromomethane	ND		ug/kg	470	--	1
1,2,3-Trichloropropane	ND		ug/kg	470	--	1
Styrene	ND		ug/kg	240	--	1
Dichlorodifluoromethane	ND		ug/kg	1200	--	1
Acetone	ND		ug/kg	4300	--	1
Carbon disulfide	ND		ug/kg	470	--	1
2-Butanone	ND		ug/kg	1200	--	1
4-Methyl-2-pentanone	ND		ug/kg	1200	--	1
2-Hexanone	ND		ug/kg	1200	--	1
Bromochloromethane	ND		ug/kg	470	--	1
Tetrahydrofuran	ND		ug/kg	470	--	1
2,2-Dichloropropane	ND		ug/kg	590	--	1
1,2-Dibromoethane	ND		ug/kg	470	--	1
1,3-Dichloropropane	ND		ug/kg	470	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	120	--	1
Bromobenzene	ND		ug/kg	590	--	1
n-Butylbenzene	ND		ug/kg	120	--	1
sec-Butylbenzene	ND		ug/kg	120	--	1
tert-Butylbenzene	ND		ug/kg	470	--	1
o-Chlorotoluene	ND		ug/kg	470	--	1
p-Chlorotoluene	ND		ug/kg	470	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	470	--	1
Hexachlorobutadiene	ND		ug/kg	470	--	1
Isopropylbenzene	ND		ug/kg	120	--	1
p-Isopropyltoluene	ND		ug/kg	120	--	1
Naphthalene	ND		ug/kg	470	--	1
n-Propylbenzene	ND		ug/kg	120	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	470	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	470	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	470	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	470	--	1
Ethyl ether	ND		ug/kg	590	--	1
Isopropyl Ether	ND		ug/kg	470	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	470	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	470	--	1

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID:	L1201917-01	Date Collected:	02/02/12 13:00
Client ID:	NS-5/2	Date Received:	02/03/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
1,4-Dioxane	ND		ug/kg	12000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID:	L1201917-02	Date Collected:	02/02/12 13:30
Client ID:	NS-6/1.5	Date Received:	02/03/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	02/05/12 16:37		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	780	--	1
1,1-Dichloroethane	ND		ug/kg	120	--	1
Chloroform	ND		ug/kg	120	--	1
Carbon tetrachloride	ND		ug/kg	78	--	1
1,2-Dichloropropane	ND		ug/kg	270	--	1
Dibromochloromethane	ND		ug/kg	78	--	1
1,1,2-Trichloroethane	ND		ug/kg	120	--	1
Tetrachloroethene	ND		ug/kg	78	--	1
Chlorobenzene	ND		ug/kg	78	--	1
Trichlorofluoromethane	ND		ug/kg	310	--	1
1,2-Dichloroethane	ND		ug/kg	78	--	1
1,1,1-Trichloroethane	ND		ug/kg	78	--	1
Bromodichloromethane	ND		ug/kg	78	--	1
trans-1,3-Dichloropropene	ND		ug/kg	78	--	1
cis-1,3-Dichloropropene	ND		ug/kg	78	--	1
1,1-Dichloropropene	ND		ug/kg	310	--	1
Bromoform	ND		ug/kg	310	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	78	--	1
Benzene	ND		ug/kg	78	--	1
Toluene	ND		ug/kg	120	--	1
Ethylbenzene	ND		ug/kg	78	--	1
Chloromethane	ND		ug/kg	310	--	1
Bromomethane	ND		ug/kg	160	--	1
Vinyl chloride	ND		ug/kg	160	--	1
Chloroethane	ND		ug/kg	160	--	1
1,1-Dichloroethene	ND		ug/kg	78	--	1
trans-1,2-Dichloroethene	ND		ug/kg	120	--	1
Trichloroethene	ND		ug/kg	78	--	1
1,2-Dichlorobenzene	ND		ug/kg	310	--	1
1,3-Dichlorobenzene	ND		ug/kg	310	--	1
1,4-Dichlorobenzene	ND		ug/kg	310	--	1

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID: L1201917-02 Date Collected: 02/02/12 13:30

Client ID: NS-6/1.5 Date Received: 02/03/12

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	160	--	1
p/m-Xylene	ND		ug/kg	160	--	1
o-Xylene	ND		ug/kg	160	--	1
cis-1,2-Dichloroethene	ND		ug/kg	78	--	1
Dibromomethane	ND		ug/kg	310	--	1
1,2,3-Trichloropropane	ND		ug/kg	310	--	1
Styrene	ND		ug/kg	160	--	1
Dichlorodifluoromethane	ND		ug/kg	780	--	1
Acetone	ND		ug/kg	2800	--	1
Carbon disulfide	ND		ug/kg	310	--	1
2-Butanone	ND		ug/kg	780	--	1
4-Methyl-2-pentanone	ND		ug/kg	780	--	1
2-Hexanone	ND		ug/kg	780	--	1
Bromochloromethane	ND		ug/kg	310	--	1
Tetrahydrofuran	ND		ug/kg	310	--	1
2,2-Dichloropropane	ND		ug/kg	390	--	1
1,2-Dibromoethane	ND		ug/kg	310	--	1
1,3-Dichloropropane	ND		ug/kg	310	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	78	--	1
Bromobenzene	ND		ug/kg	390	--	1
n-Butylbenzene	ND		ug/kg	78	--	1
sec-Butylbenzene	ND		ug/kg	78	--	1
tert-Butylbenzene	ND		ug/kg	310	--	1
o-Chlorotoluene	ND		ug/kg	310	--	1
p-Chlorotoluene	ND		ug/kg	310	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	310	--	1
Hexachlorobutadiene	ND		ug/kg	310	--	1
Isopropylbenzene	ND		ug/kg	78	--	1
p-Isopropyltoluene	ND		ug/kg	78	--	1
Naphthalene	ND		ug/kg	310	--	1
n-Propylbenzene	ND		ug/kg	78	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	310	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	310	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	310	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	310	--	1
Ethyl ether	ND		ug/kg	390	--	1
Isopropyl Ether	ND		ug/kg	310	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	310	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	310	--	1

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID:	L1201917-02	Date Collected:	02/02/12 13:30
Client ID:	NS-6/1.5	Date Received:	02/03/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
1,4-Dioxane	ND		ug/kg	7800	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID:	L1201917-03	Date Collected:	02/02/12 14:00
Client ID:	NS-4/3.5	Date Received:	02/03/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	02/05/12 17:05		
Analyst:	BN		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	670	--	1
1,1-Dichloroethane	ND		ug/kg	100	--	1
Chloroform	ND		ug/kg	100	--	1
Carbon tetrachloride	ND		ug/kg	67	--	1
1,2-Dichloropropane	ND		ug/kg	230	--	1
Dibromochloromethane	ND		ug/kg	67	--	1
1,1,2-Trichloroethane	ND		ug/kg	100	--	1
Tetrachloroethene	ND		ug/kg	67	--	1
Chlorobenzene	ND		ug/kg	67	--	1
Trichlorofluoromethane	ND		ug/kg	270	--	1
1,2-Dichloroethane	ND		ug/kg	67	--	1
1,1,1-Trichloroethane	ND		ug/kg	67	--	1
Bromodichloromethane	ND		ug/kg	67	--	1
trans-1,3-Dichloropropene	ND		ug/kg	67	--	1
cis-1,3-Dichloropropene	ND		ug/kg	67	--	1
1,1-Dichloropropene	ND		ug/kg	270	--	1
Bromoform	ND		ug/kg	270	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	67	--	1
Benzene	ND		ug/kg	67	--	1
Toluene	ND		ug/kg	100	--	1
Ethylbenzene	ND		ug/kg	67	--	1
Chloromethane	ND		ug/kg	270	--	1
Bromomethane	ND		ug/kg	130	--	1
Vinyl chloride	ND		ug/kg	130	--	1
Chloroethane	ND		ug/kg	130	--	1
1,1-Dichloroethene	ND		ug/kg	67	--	1
trans-1,2-Dichloroethene	ND		ug/kg	100	--	1
Trichloroethene	ND		ug/kg	67	--	1
1,2-Dichlorobenzene	ND		ug/kg	270	--	1
1,3-Dichlorobenzene	ND		ug/kg	270	--	1
1,4-Dichlorobenzene	ND		ug/kg	270	--	1

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID: L1201917-03 Date Collected: 02/02/12 14:00

Client ID: NS-4/3.5 Date Received: 02/03/12

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	130	--	1
p/m-Xylene	ND		ug/kg	130	--	1
o-Xylene	ND		ug/kg	130	--	1
cis-1,2-Dichloroethene	ND		ug/kg	67	--	1
Dibromomethane	ND		ug/kg	270	--	1
1,2,3-Trichloropropane	ND		ug/kg	270	--	1
Styrene	ND		ug/kg	130	--	1
Dichlorodifluoromethane	ND		ug/kg	670	--	1
Acetone	ND		ug/kg	2400	--	1
Carbon disulfide	ND		ug/kg	270	--	1
2-Butanone	ND		ug/kg	670	--	1
4-Methyl-2-pentanone	ND		ug/kg	670	--	1
2-Hexanone	ND		ug/kg	670	--	1
Bromochloromethane	ND		ug/kg	270	--	1
Tetrahydrofuran	ND		ug/kg	270	--	1
2,2-Dichloropropane	ND		ug/kg	340	--	1
1,2-Dibromoethane	ND		ug/kg	270	--	1
1,3-Dichloropropane	ND		ug/kg	270	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	67	--	1
Bromobenzene	ND		ug/kg	340	--	1
n-Butylbenzene	ND		ug/kg	67	--	1
sec-Butylbenzene	ND		ug/kg	67	--	1
tert-Butylbenzene	ND		ug/kg	270	--	1
o-Chlorotoluene	ND		ug/kg	270	--	1
p-Chlorotoluene	ND		ug/kg	270	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	270	--	1
Hexachlorobutadiene	ND		ug/kg	270	--	1
Isopropylbenzene	ND		ug/kg	67	--	1
p-Isopropyltoluene	ND		ug/kg	67	--	1
Naphthalene	ND		ug/kg	270	--	1
n-Propylbenzene	ND		ug/kg	67	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	270	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	270	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	270	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	270	--	1
Ethyl ether	ND		ug/kg	340	--	1
Isopropyl Ether	ND		ug/kg	270	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	270	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	270	--	1

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID:	L1201917-03	Date Collected:	02/02/12 14:00
Client ID:	NS-4/3.5	Date Received:	02/03/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
1,4-Dioxane	ND		ug/kg	6700	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID:	L1201917-04	Date Collected:	02/02/12 14:20
Client ID:	NS-3/2	Date Received:	02/03/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	02/05/12 17:33		
Analyst:	BN		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	630	--	1
1,1-Dichloroethane	ND		ug/kg	94	--	1
Chloroform	ND		ug/kg	94	--	1
Carbon tetrachloride	ND		ug/kg	63	--	1
1,2-Dichloropropane	ND		ug/kg	220	--	1
Dibromochloromethane	ND		ug/kg	63	--	1
1,1,2-Trichloroethane	ND		ug/kg	94	--	1
Tetrachloroethene	ND		ug/kg	63	--	1
Chlorobenzene	ND		ug/kg	63	--	1
Trichlorofluoromethane	ND		ug/kg	250	--	1
1,2-Dichloroethane	ND		ug/kg	63	--	1
1,1,1-Trichloroethane	ND		ug/kg	63	--	1
Bromodichloromethane	ND		ug/kg	63	--	1
trans-1,3-Dichloropropene	ND		ug/kg	63	--	1
cis-1,3-Dichloropropene	ND		ug/kg	63	--	1
1,1-Dichloropropene	ND		ug/kg	250	--	1
Bromoform	ND		ug/kg	250	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	63	--	1
Benzene	ND		ug/kg	63	--	1
Toluene	ND		ug/kg	94	--	1
Ethylbenzene	ND		ug/kg	63	--	1
Chloromethane	ND		ug/kg	250	--	1
Bromomethane	ND		ug/kg	120	--	1
Vinyl chloride	ND		ug/kg	120	--	1
Chloroethane	ND		ug/kg	120	--	1
1,1-Dichloroethene	ND		ug/kg	63	--	1
trans-1,2-Dichloroethene	ND		ug/kg	94	--	1
Trichloroethene	ND		ug/kg	63	--	1
1,2-Dichlorobenzene	ND		ug/kg	250	--	1
1,3-Dichlorobenzene	ND		ug/kg	250	--	1
1,4-Dichlorobenzene	ND		ug/kg	250	--	1

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID: L1201917-04 Date Collected: 02/02/12 14:20

Client ID: NS-3/2 Date Received: 02/03/12

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	120	--	1
p/m-Xylene	ND		ug/kg	120	--	1
o-Xylene	ND		ug/kg	120	--	1
cis-1,2-Dichloroethene	ND		ug/kg	63	--	1
Dibromomethane	ND		ug/kg	250	--	1
1,2,3-Trichloropropane	ND		ug/kg	250	--	1
Styrene	ND		ug/kg	120	--	1
Dichlorodifluoromethane	ND		ug/kg	630	--	1
Acetone	ND		ug/kg	2200	--	1
Carbon disulfide	ND		ug/kg	250	--	1
2-Butanone	ND		ug/kg	630	--	1
4-Methyl-2-pentanone	ND		ug/kg	630	--	1
2-Hexanone	ND		ug/kg	630	--	1
Bromochloromethane	ND		ug/kg	250	--	1
Tetrahydrofuran	ND		ug/kg	250	--	1
2,2-Dichloropropane	ND		ug/kg	310	--	1
1,2-Dibromoethane	ND		ug/kg	250	--	1
1,3-Dichloropropane	ND		ug/kg	250	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	63	--	1
Bromobenzene	ND		ug/kg	310	--	1
n-Butylbenzene	ND		ug/kg	63	--	1
sec-Butylbenzene	ND		ug/kg	63	--	1
tert-Butylbenzene	ND		ug/kg	250	--	1
o-Chlorotoluene	ND		ug/kg	250	--	1
p-Chlorotoluene	ND		ug/kg	250	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	--	1
Hexachlorobutadiene	ND		ug/kg	250	--	1
Isopropylbenzene	ND		ug/kg	63	--	1
p-Isopropyltoluene	ND		ug/kg	63	--	1
Naphthalene	ND		ug/kg	250	--	1
n-Propylbenzene	ND		ug/kg	63	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	250	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	250	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	250	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	250	--	1
Ethyl ether	ND		ug/kg	310	--	1
Isopropyl Ether	ND		ug/kg	250	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	250	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	250	--	1

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID:	L1201917-04	Date Collected:	02/02/12 14:20
Client ID:	NS-3/2	Date Received:	02/03/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
1,4-Dioxane	ND		ug/kg	6300	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID:	L1201917-05	Date Collected:	02/02/12 14:30
Client ID:	NS-10/2	Date Received:	02/03/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	97,8260B		
Analytical Date:	02/05/12 18:01		
Analyst:	BN		
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	660	--	1
1,1-Dichloroethane	ND		ug/kg	99	--	1
Chloroform	ND		ug/kg	99	--	1
Carbon tetrachloride	ND		ug/kg	66	--	1
1,2-Dichloropropane	ND		ug/kg	230	--	1
Dibromochloromethane	ND		ug/kg	66	--	1
1,1,2-Trichloroethane	ND		ug/kg	99	--	1
Tetrachloroethene	ND		ug/kg	66	--	1
Chlorobenzene	ND		ug/kg	66	--	1
Trichlorofluoromethane	ND		ug/kg	260	--	1
1,2-Dichloroethane	ND		ug/kg	66	--	1
1,1,1-Trichloroethane	ND		ug/kg	66	--	1
Bromodichloromethane	ND		ug/kg	66	--	1
trans-1,3-Dichloropropene	ND		ug/kg	66	--	1
cis-1,3-Dichloropropene	ND		ug/kg	66	--	1
1,1-Dichloropropene	ND		ug/kg	260	--	1
Bromoform	ND		ug/kg	260	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	66	--	1
Benzene	ND		ug/kg	66	--	1
Toluene	ND		ug/kg	99	--	1
Ethylbenzene	ND		ug/kg	66	--	1
Chloromethane	ND		ug/kg	260	--	1
Bromomethane	ND		ug/kg	130	--	1
Vinyl chloride	ND		ug/kg	130	--	1
Chloroethane	ND		ug/kg	130	--	1
1,1-Dichloroethene	ND		ug/kg	66	--	1
trans-1,2-Dichloroethene	ND		ug/kg	99	--	1
Trichloroethene	ND		ug/kg	66	--	1
1,2-Dichlorobenzene	ND		ug/kg	260	--	1
1,3-Dichlorobenzene	ND		ug/kg	260	--	1
1,4-Dichlorobenzene	ND		ug/kg	260	--	1

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID: L1201917-05 Date Collected: 02/02/12 14:30

Client ID: NS-10/2 Date Received: 02/03/12

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
Methyl tert butyl ether	ND		ug/kg	130	--	1
p/m-Xylene	ND		ug/kg	130	--	1
o-Xylene	ND		ug/kg	130	--	1
cis-1,2-Dichloroethene	ND		ug/kg	66	--	1
Dibromomethane	ND		ug/kg	260	--	1
1,2,3-Trichloropropane	ND		ug/kg	260	--	1
Styrene	ND		ug/kg	130	--	1
Dichlorodifluoromethane	ND		ug/kg	660	--	1
Acetone	ND		ug/kg	2400	--	1
Carbon disulfide	ND		ug/kg	260	--	1
2-Butanone	ND		ug/kg	660	--	1
4-Methyl-2-pentanone	ND		ug/kg	660	--	1
2-Hexanone	ND		ug/kg	660	--	1
Bromochloromethane	ND		ug/kg	260	--	1
Tetrahydrofuran	ND		ug/kg	260	--	1
2,2-Dichloropropane	ND		ug/kg	330	--	1
1,2-Dibromoethane	ND		ug/kg	260	--	1
1,3-Dichloropropane	ND		ug/kg	260	--	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	66	--	1
Bromobenzene	ND		ug/kg	330	--	1
n-Butylbenzene	ND		ug/kg	66	--	1
sec-Butylbenzene	ND		ug/kg	66	--	1
tert-Butylbenzene	ND		ug/kg	260	--	1
o-Chlorotoluene	ND		ug/kg	260	--	1
p-Chlorotoluene	ND		ug/kg	260	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	260	--	1
Hexachlorobutadiene	ND		ug/kg	260	--	1
Isopropylbenzene	ND		ug/kg	66	--	1
p-Isopropyltoluene	ND		ug/kg	66	--	1
Naphthalene	ND		ug/kg	260	--	1
n-Propylbenzene	ND		ug/kg	66	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	260	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	260	--	1
1,3,5-Trimethylbenzene	ND		ug/kg	260	--	1
1,2,4-Trimethylbenzene	ND		ug/kg	260	--	1
Ethyl ether	ND		ug/kg	330	--	1
Isopropyl Ether	ND		ug/kg	260	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	260	--	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	260	--	1

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

SAMPLE RESULTS

Lab ID:	L1201917-05	Date Collected:	02/02/12 14:30
Client ID:	NS-10/2	Date Received:	02/03/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab						
1,4-Dioxane	ND		ug/kg	6600	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 02/05/12 11:29
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-05 Batch: WG516970-3					
Methylene chloride	ND		ug/kg	500	--
1,1-Dichloroethane	ND		ug/kg	75	--
Chloroform	ND		ug/kg	75	--
Carbon tetrachloride	ND		ug/kg	50	--
1,2-Dichloropropane	ND		ug/kg	180	--
Dibromochloromethane	ND		ug/kg	50	--
1,1,2-Trichloroethane	ND		ug/kg	75	--
Tetrachloroethene	ND		ug/kg	50	--
Chlorobenzene	ND		ug/kg	50	--
Trichlorofluoromethane	ND		ug/kg	200	--
1,2-Dichloroethane	ND		ug/kg	50	--
1,1,1-Trichloroethane	ND		ug/kg	50	--
Bromodichloromethane	ND		ug/kg	50	--
trans-1,3-Dichloropropene	ND		ug/kg	50	--
cis-1,3-Dichloropropene	ND		ug/kg	50	--
1,1-Dichloropropene	ND		ug/kg	200	--
Bromoform	ND		ug/kg	200	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	--
Benzene	ND		ug/kg	50	--
Toluene	ND		ug/kg	75	--
Ethylbenzene	ND		ug/kg	50	--
Chloromethane	ND		ug/kg	200	--
Bromomethane	ND		ug/kg	100	--
Vinyl chloride	ND		ug/kg	100	--
Chloroethane	ND		ug/kg	100	--
1,1-Dichloroethene	ND		ug/kg	50	--
trans-1,2-Dichloroethene	ND		ug/kg	75	--
Trichloroethene	ND		ug/kg	50	--
1,2-Dichlorobenzene	ND		ug/kg	200	--
1,3-Dichlorobenzene	ND		ug/kg	200	--

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 02/05/12 11:29
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-05 Batch: WG516970-3					
1,4-Dichlorobenzene	ND		ug/kg	200	--
Methyl tert butyl ether	ND		ug/kg	100	--
p/m-Xylene	ND		ug/kg	100	--
o-Xylene	ND		ug/kg	100	--
cis-1,2-Dichloroethene	ND		ug/kg	50	--
Dibromomethane	ND		ug/kg	200	--
1,2,3-Trichloropropane	ND		ug/kg	200	--
Styrene	ND		ug/kg	100	--
Dichlorodifluoromethane	ND		ug/kg	500	--
Acetone	ND		ug/kg	1800	--
Carbon disulfide	ND		ug/kg	200	--
2-Butanone	ND		ug/kg	500	--
4-Methyl-2-pentanone	ND		ug/kg	500	--
2-Hexanone	ND		ug/kg	500	--
Bromochloromethane	ND		ug/kg	200	--
Tetrahydrofuran	ND		ug/kg	200	--
2,2-Dichloropropane	ND		ug/kg	250	--
1,2-Dibromoethane	ND		ug/kg	200	--
1,3-Dichloropropane	ND		ug/kg	200	--
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	--
Bromobenzene	ND		ug/kg	250	--
n-Butylbenzene	ND		ug/kg	50	--
sec-Butylbenzene	ND		ug/kg	50	--
tert-Butylbenzene	ND		ug/kg	200	--
o-Chlorotoluene	ND		ug/kg	200	--
p-Chlorotoluene	ND		ug/kg	200	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	--
Hexachlorobutadiene	ND		ug/kg	200	--
Isopropylbenzene	ND		ug/kg	50	--
p-Isopropyltoluene	ND		ug/kg	50	--

Project Name: RIVER ROAD **Lab Number:** L1201917

Project Number: 181437.0000.0000 **Report Date:** 02/17/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 02/05/12 11:29
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 01-05 Batch: WG516970-3					
Naphthalene	ND		ug/kg	200	--
n-Propylbenzene	ND		ug/kg	50	--
1,2,3-Trichlorobenzene	ND		ug/kg	200	--
1,2,4-Trichlorobenzene	ND		ug/kg	200	--
1,3,5-Trimethylbenzene	ND		ug/kg	200	--
1,2,4-Trimethylbenzene	ND		ug/kg	200	--
Ethyl ether	ND		ug/kg	250	--
Isopropyl Ether	ND		ug/kg	200	--
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	--
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	--
1,4-Dioxane	ND		ug/kg	5000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437.0000.0000

Lab Number: L1201917
Report Date: 02/17/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG516970-1 WG516970-2								
Methylene chloride	100		99		70-130	1		20
1,1-Dichloroethane	106		101		70-130	5		20
Chloroform	105		103		70-130	2		20
Carbon tetrachloride	104		102		70-130	2		20
1,2-Dichloropropane	106		105		70-130	1		20
Dibromochloromethane	96		95		70-130	1		20
1,1,2-Trichloroethane	96		95		70-130	1		20
Tetrachloroethene	94		92		70-130	2		20
Chlorobenzene	91		88		70-130	3		20
Trichlorofluoromethane	118		117		70-130	1		20
1,2-Dichloroethane	111		112		70-130	1		20
1,1,1-Trichloroethane	105		104		70-130	1		20
Bromodichloromethane	107		107		70-130	0		20
trans-1,3-Dichloropropene	99		96		70-130	3		20
cis-1,3-Dichloropropene	103		103		70-130	0		20
1,1-Dichloropropene	101		96		70-130	5		20
Bromoform	90		93		70-130	3		20
1,1,2,2-Tetrachloroethane	90		88		70-130	2		20
Benzene	103		100		70-130	3		20
Toluene	89		86		70-130	3		20
Ethylbenzene	95		91		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437.0000.0000

Lab Number: L1201917
Report Date: 02/17/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG516970-1 WG516970-2								
Chloromethane	82		81		70-130	1		20
Bromomethane	**139**	Q	116		70-130	18		20
Vinyl chloride	94		92		70-130	2		20
Chloroethane	112		111		70-130	1		20
1,1-Dichloroethene	99		96		70-130	3		20
trans-1,2-Dichloroethene	101		100		70-130	1		20
Trichloroethene	106		102		70-130	4		20
1,2-Dichlorobenzene	91		91		70-130	0		20
1,3-Dichlorobenzene	91		90		70-130	1		20
1,4-Dichlorobenzene	91		90		70-130	1		20
Methyl tert butyl ether	114		115		70-130	1		20
p/m-Xylene	94		91		70-130	3		20
o-Xylene	96		93		70-130	3		20
cis-1,2-Dichloroethene	104		102		70-130	2		20
Dibromomethane	109		107		70-130	2		20
1,2,3-Trichloropropane	93		92		70-130	1		20
Styrene	96		93		70-130	3		20
Dichlorodifluoromethane	75		73		70-130	3		20
Acetone	81		82		70-130	1		20
Carbon disulfide	102		98		70-130	4		20
2-Butanone	87		87		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437.0000.0000

Lab Number: L1201917
Report Date: 02/17/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG516970-1 WG516970-2								
4-Methyl-2-pentanone	102		102		70-130	0		20
2-Hexanone	81		81		70-130	0		20
Bromochloromethane	107		106		70-130	1		20
Tetrahydrofuran	91		94		70-130	3		20
2,2-Dichloropropane	106		101		70-130	5		20
1,2-Dibromoethane	96		96		70-130	0		20
1,3-Dichloropropane	94		94		70-130	0		20
1,1,1,2-Tetrachloroethane	98		95		70-130	3		20
Bromobenzene	90		91		70-130	1		20
n-Butylbenzene	92		89		70-130	3		20
sec-Butylbenzene	90		88		70-130	2		20
tert-Butylbenzene	90		88		70-130	2		20
o-Chlorotoluene	91		89		70-130	2		20
p-Chlorotoluene	91		90		70-130	1		20
1,2-Dibromo-3-chloropropane	96		82		70-130	16		20
Hexachlorobutadiene	87		85		70-130	2		20
Isopropylbenzene	88		86		70-130	2		20
p-Isopropyltoluene	94		92		70-130	2		20
Naphthalene	91		91		70-130	0		20
n-Propylbenzene	90		88		70-130	2		20
1,2,3-Trichlorobenzene	94		93		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437.0000.0000

Lab Number: L1201917
Report Date: 02/17/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 01-05 Batch: WG516970-1 WG516970-2								
1,2,4-Trichlorobenzene	94		94		70-130	0		20
1,3,5-Trimethylbenzene	90		89		70-130	1		20
1,2,4-Trimethylbenzene	93		92		70-130	1		20
Ethyl ether	119		119		70-130	0		20
Isopropyl Ether	102		100		70-130	2		20
Ethyl-Tert-Butyl-Ether	113		112		70-130	1		20
Tertiary-Amyl Methyl Ether	112		112		70-130	0		20
1,4-Dioxane	85		87		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		107		70-130
Toluene-d8	94		93		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	104		105		70-130

INORGANICS
&
MISCELLANEOUS

Project Name: RIVER ROAD
Project Number: 181437.0000.0000

Lab Number: L1201917
Report Date: 02/17/12

SAMPLE RESULTS

Lab ID: L1201917-01
Client ID: NS-5/2
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/02/12 13:00
Date Received: 02/03/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82		%	0.10	NA	1	-	02/15/12 15:00	30,2540G	ST

Project Name: RIVER ROAD
Project Number: 181437.0000.0000

Lab Number: L1201917
Report Date: 02/17/12

SAMPLE RESULTS

Lab ID: L1201917-02
Client ID: NS-6/1.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/02/12 13:30
Date Received: 02/03/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	02/15/12 15:00	30,2540G	ST

Project Name: RIVER ROAD
Project Number: 181437.0000.0000

Lab Number: L1201917
Report Date: 02/17/12

SAMPLE RESULTS

Lab ID: L1201917-03
Client ID: NS-4/3.5
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/02/12 14:00
Date Received: 02/03/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92		%	0.10	NA	1	-	02/15/12 15:00	30,2540G	ST

Project Name: RIVER ROAD
Project Number: 181437.0000.0000

Lab Number: L1201917
Report Date: 02/17/12

SAMPLE RESULTS

Lab ID: L1201917-04
Client ID: NS-3/2
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/02/12 14:20
Date Received: 02/03/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94		%	0.10	NA	1	-	02/15/12 15:00	30,2540G	ST

Project Name: RIVER ROAD
Project Number: 181437.0000.0000

Lab Number: L1201917
Report Date: 02/17/12

SAMPLE RESULTS

Lab ID: L1201917-05
Client ID: NS-10/2
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/02/12 14:30
Date Received: 02/03/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93		%	0.10	NA	1	-	02/15/12 15:00	30,2540G	ST

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437.0000.0000

Lab Number: L1201917
Report Date: 02/17/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG518648-1 QC Sample: L1202452-01 Client ID: DUP Sample						
Solids, Total	76	75	%	1		20

Project Name: RIVER ROAD
Project Number: 181437.0000.0000

Lab Number: L1201917
Report Date: 02/17/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information	Custody Seal
Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1201917-01A	Vial MeOH preserved	A	N/A	2.6	Y	Absent	MCP-8260H-10(14)
L1201917-01B	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1201917-02A	Vial MeOH preserved	A	N/A	2.6	Y	Absent	MCP-8260H-10(14)
L1201917-02B	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1201917-03A	Vial MeOH preserved	A	N/A	2.6	Y	Absent	MCP-8260H-10(14)
L1201917-03B	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1201917-04A	Vial MeOH preserved	A	N/A	2.6	Y	Absent	MCP-8260H-10(14)
L1201917-04B	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1201917-05A	Vial MeOH preserved	A	N/A	2.6	Y	Absent	MCP-8260H-10(14)
L1201917-05B	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name:	RIVER ROAD	**Lab Number:**	L1201917
Project Number:	181437.0000.0000	**Report Date:**	02/17/12

GLOSSARY

Acronyms

EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name:	RIVER ROAD	**Lab Number:**	L1201917
Project Number:	181437.0000.0000	**Report Date:**	02/17/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: RIVER ROAD **Lab Number:** L1201917
Project Number: 181437.0000.0000 **Report Date:** 02/17/12

REFERENCES

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised January 30, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 3005A,3015,1312,6010B,6010C,SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X. Organic Parameters: EPA 8260B)

Solid & Hazardous Waste (Inorganic Parameters: EPA 3050B, 1311, 1312, 6010B, 6010C, 9030B, 9010B, 9012A, 9014. Organic Parameters: EPA 5035, 5030B, 8260B.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 2/3/12

ALPHA Job #: L1201917

Client Information

Client: TRC

Address: 650 SUFFOLK ST. LOWELL MA.

Phone: 978-970-5600

Fax:

Email:

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: RIVER ROAD

Project Location: NEW BEDFORD MA.

Project #: 181437.0000.0000

Project Manager: DAVID SULLIVAN DAVID PETTIT

ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 2/17/12 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	Sample Specific Comments	TOTAL # BOTTLES
01917 1	NS-5/2	2/2/12	13:00	S	JF	✓		
2	NS-6/1.5	2/2/12	13:30	S	JF	✓		
3	NS-4/3.5	2/2/12	14:00	S	JF	✓		
4	NS-3/2	2/2/12	14:20	S	JF	✓		
5	NS-10/2	2/2/12	14:30	S	JF	✓		

Container Type

Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	2/3/12	[illegible]	2/3/12 1030
[illegible]	2/3/12 1100	[illegible]	2/3/12 1100

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

Serial_No:02171216:37

7A
Volatile CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1201917

Instrument ID: Voa104.i Calibration Date: 05-FEB-2012 Time: 10:33

Lab File ID: 0205A02 Init. Calib. Date(s): 23-JAN-2 23-JAN-2

Sample No: 8260 CCAL Init. Calib. Times : 09:06 11:54

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.16129	.12128	.1	25	20	F
chloromethane	.44147	.36259	.1	18	20	
vinyl chloride	.31158	.29414	.1	6	20	
bromomethane	100	139	.1	-39	20	F
chloroethane	.11502	.12939	.1	-12	20	
trichlorofluoromethane	.2184	.259	.1	-19	20	
ethyl ether	.07752	.0926	.05	-19	20	
1,1,-dichloroethene	.17993	.17755	.1	1	20	
carbon disulfide	.61268	.62346	.1	-2	20	
methylene chloride	100	100	.1	0	20	
acetone	.1633	.13179	.1	19	20	
trans-1,2-dichloroethene	.20271	.20446	.1	-1	20	
methyl tert butyl ether	.4881	.55902	.1	-15	20	
Diisopropyl Ether	1.1257	1.1435	.05	-2	20	
1,1-dichloroethane	.51809	.55199	.2	-7	20	
Ethyl-Tert-Butyl-Ether	1.0361	1.1707	.05	-13	20	
cis-1,2-dichloroethene	.21766	.22654	.1	-4	20	
2,2-dichloropropane	.28765	.30585	.05	-6	20	
bromochloromethane	.11937	.12756	.05	-7	20	
chloroform	.34107	.35965	.2	-5	20	
carbontetrachloride	.30205	.31546	.1	-4	20	
tetrahydrofuran	.15873	.14501	.05	9	20	
1,1,1-trichloroethane	.313	.32785	.1	-5	20	
2-butanone	.23165	.20106	.1	13	20	
1,1-dichloropropene	.2528	.25477	.05	-1	20	
benzene	.73154	.75491	.5	-3	20	
Tertiary-Amyl Methyl Ether	.48429	.54468	.05	-12	20	
1,2-dichloroethane	.37649	.41777	.1	-11	20	
trichloroethene	.21841	.23202	.2	-6	20	
dibromomethane	.13437	.14607	.05	-9	20	
1,2-dichloropropane	.30279	.31969	.1	-6	20	
bromodichloromethane	.25116	.26928	.2	-7	20	
1,4-dioxane	.00342	.0029	.05	15	20	F
cis-1,3-dichloropropene	.29474	.30354	.2	-3	20	
toluene	.60757	.54236	.4	11	20	
tetrachloroethene	.30853	.29	.2	6	20	
4-methyl-2-pentanone	.17891	.18288	.1	-2	20	
trans-1,3-dichloropropene	.33637	.33329	.1	1	20	

FORM VII MCP-8260H-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1201917

Instrument ID: Voa104.i Calibration Date: 05-FEB-2012 Time: 10:33

Lab File ID: 0205A02 Init. Calib. Date(s): 23-JAN-2 23-JAN-2

Sample No: 8260 CCAL Init. Calib. Times : 09:06 11:54

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D
1,1,2-trichloroethane	.17979	.17239	.1	4	20
chlorodibromomethane	.31399	.30106	.1	4	20
1,3-dichloropropane	.33679	.31615	.05	6	20
1,2-dibromoethane	.24624	.23728	.1	4	20
2-hexanone	.43538	.35082	.1	19	20
chlorobenzene	.72413	.65665	.5	9	20
ethyl benzene	1.1022	1.0494	.1	5	20
1,1,1,2-tetrachloroethane	.28898	.2831	.05	2	20
p/m xylene	.45054	.42549	.1	6	20
o xylene	.44023	.4207	.3	4	20
styrene	.73119	.70228	.3	4	20
bromoform	.39644	.35544	.1	10	20
isopropylbenzene	2.1858	1.9339	.1	12	20
bromobenzene	.61761	.556	.05	10	20
n-propylbenzene	2.4411	2.2086	.05	10	20
1,1,2,2,-tetrachloroethane	.55619	.49993	.3	10	20
2-chlorotoluene	1.5084	1.375	.05	9	20
1,2,3-trichloropropane	.43282	.40224	.05	7	20
1,3,5-trimethybenzene	1.7737	1.6016	.05	10	20
4-chorotoluene	1.5222	1.3802	.05	9	20
tert-butylbenzene	1.6067	1.4514	.05	10	20
1,2,4-trimethylbenzene	1.8081	1.6746	.05	7	20
sec-butylbenzene	2.3325	2.0994	.05	10	20
p-isopropyltoluene	1.9938	1.8797	.05	6	20
1,3-dichlorobenzene	1.1754	1.0695	.6	9	20
1,4-dichlorobenzene	1.1936	1.0904	.5	9	20
n-butylbenzene	1.7505	1.6094	.05	8	20
1,2-dichlorobenzene	1.0974	.99707	.4	9	20
1,2-dibromo-3-chloropropane	.12111	.11632	.05	4	20
hexachlorobutadiene	.40575	.35149	.05	13	20
1,2,4-trichlorobenzene	.7317	.69001	.2	6	20
naphthalene	2.0132	1.8358	.05	9	20
1,2,3-trichlorobenzene	.67001	.62695	.05	6	20
dibromofluoromethane	.28078	.29336	.05	-4	30
1,2-dichloroethane-d4	.35116	.3645	.05	-4	30
toluene-d8	1.1743	1.1085	.05	6	30
4-bromofluorobenzene	.8698	.85169	.05	2	30

FORM VII MCP-8260H-10

ANALYTICAL REPORT

Lab Number:	L1202969
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	David Sullivan
Phone:	(978) 656-3565
Project Name:	RIVER ROAD
Project Number:	181437
Report Date:	02/27/12

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1202969
Report Date: 02/27/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1202969-01	NS-5	NEW BEDFORD, MA	02/21/12 15:00
L1202969-02	NS-9	NEW BEDFORD, MA	02/21/12 14:30

Project Name: RIVER ROAD **Lab Number:** L1202969

Project Number: 181437 **Report Date:** 02/27/12

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	YES
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

Please note that sample matrix information is located in the Sample Results section of this report.

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1202969
Report Date: 02/27/12

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Report Submission

All MCP required questions were answered with affirmative responses; therefore, there are no relevant protocol-specific QC and/or performance standard non-conformances to report.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 02/27/12

ORGANICS

PETROLEUM HYDROCARBONS

Project Name: RIVER ROAD
Project Number: 181437
Lab Number: L1202969
Report Date: 02/27/12

SAMPLE RESULTS

Lab ID:	L1202969-02	Date Collected:	02/21/12 14:30
Client ID:	NS-9	Date Received:	02/21/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015B(M)	Extraction Date:	02/22/12 02:14
Analytical Date:	02/22/12 21:20		
Analyst:	NH		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	53100		ug/kg	38000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	86		40-140

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1202969
Report Date: 02/27/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015B(M)
Analytical Date: 02/22/12 19:36
Analyst: NH

Extraction Method: EPA 3546
Extraction Date: 02/22/12 02:14

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 02 Batch: WG519617-1					
TPH	ND		ug/kg	32000	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1202969
Report Date: 02/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02 Batch: WG519617-2								
TPH	86		-		40-140	-		

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	92				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1202969
Report Date: 02/27/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 02 QC Batch ID: WG519617-3 QC Sample: L1202975-01 Client ID: DUP Sample						
TPH	ND	ND	ug/kg	NC		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	94		95		40-140

METALS

Project Name:	RIVER ROAD	**Lab Number:**	L1202969
Project Number:	181437	**Report Date:**	02/27/12

SAMPLE RESULTS

Lab ID:	L1202969-01	Date Collected:	02/21/12 15:00
Client ID:	NS-5	Date Received:	02/21/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	02/21/12 19:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Lead, TCLP	ND		mg/l	0.50	--	1	02/23/12 10:42	02/23/12 18:58	EPA 3015	1,6010B	MG

Project Name: RIVER ROAD **Lab Number:** L1202969

Project Number: 181437 **Report Date:** 02/27/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG519879-1										
Lead, TCLP	ND		mg/l	0.50	--	1	02/23/12 10:42	02/23/12 18:49	1,6010B	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 02/21/12 19:11

Lab Control Sample Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1202969
Report Date: 02/27/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG519879-2								
Lead, TCLP	94		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1202969
Report Date: 02/27/12

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG519879-4 QC Sample: L1202969-01 Client ID: NS-5												
Lead, TCLP	ND	5.1	4.9	96		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1202969
Report Date: 02/27/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG519879-3 QC Sample: L1202969-01 Client ID: NS-5						
Lead, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1202969
Report Date: 02/27/12

SAMPLE RESULTS

Lab ID: L1202969-02
Client ID: NS-9
Sample Location: NEW BEDFORD, MA
Matrix: Soil

Date Collected: 02/21/12 14:30
Date Received: 02/21/12
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83		%	0.10	NA	1	-	02/21/12 20:15	30,2540G	TL

Lab Duplicate Analysis
Batch Quality Control

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1202969
Report Date: 02/27/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02 QC Batch ID: WG519566-1 QC Sample: L1202462-01 Client ID: DUP Sample						
Solids, Total	27	26	%	4		20

Project Name: RIVER ROAD
Project Number: 181437

Lab Number: L1202969
Report Date: 02/27/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1202969-01A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	-
L1202969-01B	Plastic 250ml HNO3 preserved spl	A	<2	5	Y	Absent	PB-CI(180)
L1202969-02A	Amber 250ml unpreserved	A	N/A	5	Y	Absent	TS(7),TPH-DRO-D(14)

*Values in parentheses indicate holding time in days

Project Name: RIVER ROAD **Lab Number:** L1202969

Project Number: 181437 **Report Date:** 02/27/12

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: Data Usability Report

Project Name: RIVER ROAD **Lab Number:** L1202969

Project Number: 181437 **Report Date:** 02/27/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: RIVER ROAD **Lab Number:** L1202969
Project Number: 181437 **Report Date:** 02/27/12

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised January 30, 2012 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 8081, 8082, 8330, 8151A, 624, 8260, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1,

SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3550B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 6020A, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8081B, 8082, 8082A, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 1312, 200.7, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE. Organic Parameters: EPA 3510C, 3005A, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 802A, 8151A, 8260B, 8270C, 8270D, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 3060A, 6010B, 6010C, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 3005A,3015,1312,6010B,6010C,SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X. Organic Parameters: EPA 8260B)

Solid & Hazardous Waste (Inorganic Parameters: EPA 3050B, 1311, 1312, 6010B, 6010C, 9030B, 9010B, 9012A, 9014. Organic Parameters: EPA 5035, 5030B, 8260B.)

Department of Defense, L-A-B Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 2/21/12

ALPHA Job #: L1202969

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: TRC Environmental
Address: 650 Suffolk St
Lowell MA 01886
Phone: 978-970-5600
Fax:
Email: dpettit@trcsolutions.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: River Road
Project Location: New Bedford MA
Project #: 181437
Project Manager: David Sullivan
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: 3/1/12 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: MCP Criteria: Disposal / COMM-97-001

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: TPH, TCLP-lead

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TPH	TCLP-lead	Sample Specific Comments	TOTAL # BOTTLES
1	NS-5	2/21/12	1500	S	DP		X		1
2	NS-9	2/21/12	1430	S	DP	X			1

Container Type	A	A
Preservative	A	A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

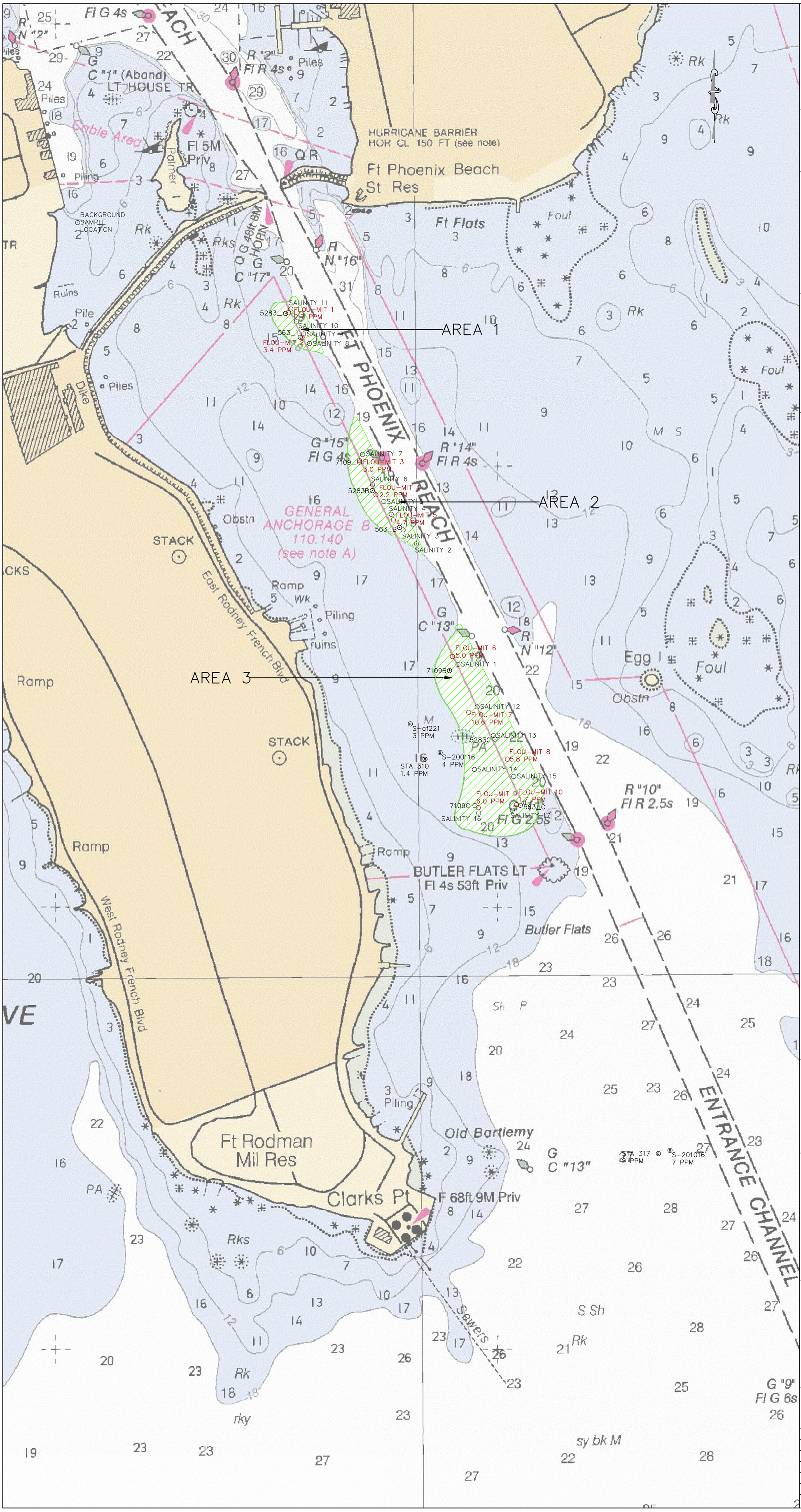
Relinquished By:	Date/Time	Received By:	Date/Time
David M Hanson	2/21/12 1625	[illegible]	2/21/12 16:25

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

Serial_No:20220214

APPENDIX 7



Apex Companies, LLC.

184 HIGH STREET
SUITE 502
BOSTON MA 02110
(617) 728-0070

REVISIONS

NO.	DATE	DESCRIPTION
1.	11/22/10	MITIGATION AREAS

THESE DRAWINGS PREPARED BY APEX FOR THIS PROJECT ARE INSTRUMENTS OF APEX'S SERVICE FOR USE SOLELY WITH RESPECT TO THIS PROJECT, AND APEX SHALL BE DEEMED THE AUTHOR OF THE DRAWING AND SHALL RETAIN ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS WITH RESPECT THERETO, INCLUDING COPYRIGHT. THE DOCUMENTS SHALL NOT BE USED ON OTHER PROJECTS, FOR ADDITIONS TO THIS PROJECT OR FOR COMPLETION OF THIS PROJECT BY OTHERS, EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO APEX.

HARBOR DEVELOPMENT COMMISSION · 41°38'N 70°56'W · NEW BEDFORD, MA

POTENTIAL WINTER FLOUNDER SPAWNING HABITAT REPLICATION AREA

7109B⊙ ADCP SAMPLE LOCATION

⊙SALINITY 2 SALINITY SAMPLE LOCATION

⊙STA. 310 EPA SEDIMENT SAMPLE LOCATIONS WITH PCB CONCENTRATIONS

PREPARED FOR:

THE NEW BEDFORD HARBOR DEVELOPMENT COMMISSION AND THE TOWN OF FAIRHAVEN, MASSACHUSETTS

DRAWING TITLE:

SOUTH TERMINAL MARINE INFRASTRUCTURE PARK POSSIBLE WINTER FLOUNDER MITIGATION AREAS

Scale: 1"=500'

0 250 500 1000 1500 FEET

Date	6/5/10
Proj. Mgr.	JAB
Design	GCD
Check	CM
Drawn	GCD
Job. No.	6690.002
Last Rev.	6/5/10

Drawing No. M-1

New Bedford Harbor
Winter Flounder Mitigation Areas
Salinity Data

Location ID	Depth (Feet)	Salinity (ppt)
1	0	30.38
1	11	30.57
1	20	30.6
2	0	30.46
2	11	30.4
2	20	30.57
3	0	30.36
3	11	30.47
3	20	30.58
4	0	30.4
4	10	30.4
4	20	30.57
5	0	30.35
5	11	30.38
5	20	30.6
6	0	30.35
6	10	30.45
6	20	30.46
7	0	30.33
7	11	30.48
7	20	30.46
8	0	30.32
8	10	30.24
8	20	30.52
9	0	30.31
9	10	30.35
9	20	30.5
10	0	30.32
10	10	30.36
10	20	30.49
11	0	30.34
11	10	30.36
11	20	30.52

New Bedford Harbor
Winter Flounder Mitigation Areas
Salinity Data

Location ID	Depth (Feet)	Salinity (ppt)
12	0	28.76
12	10	28.83
12	20	28.84
13	0	28.86
13	10	28.88
13	20	28.86
14	0	28.82
14	10	28.92
14	20	28.97
15	0	28.88
15	10	28.98
15	20	28.96
16	0	28.84
16	10	28.94
16	20	28.95
17	0	28.93
17	10	29.01
17	20	28.99
18	0	28.91
18	10	29
18	20	28.97
Background	0	30.1
Background	5	30.05
Background	10	30.07

Table 1:
Analytical Data: Potential Winter Flounder Mitigation Areas
South Terminal CDF
New Bedford, Massachusetts

		PCB Congeners (μg/kg)																						
Sample Name	Collection Date	Cl2-BZ#5/#8	Cl3-BZ#18	Cl3-BZ#28/#31	Cl4-BZ#44	Cl4-BZ#52	Cl4-BZ#43/#49	Cl4-BZ#66	Cl5-BZ#101/#84	Cl5-BZ#87	Cl7-BZ#184	Cl5-BZ#105	Cl5-BZ#118	Cl7-BZ#183	Cl6-BZ#167/#128	Cl6-BZ#138/#163	Cl6-BZ#153	Cl7-BZ#170/#190	Cl7-BZ#180	Cl7-BZ#182/#187	Cl8-BZ#195	Cl9-BZ#206	Cl10-BZ#209	Estimate of Total PCBs (Summation of 18 NOAA Congeners Multiplied by a the NOAA Correction of 2.0) (mg/kg)
FLOU-MIT-1	12/7/2010	41	18	140	31	150	100	75	120	42	2.3 U	41	150	6	21	120	92	13	14	13	2.3 U	2.3 U	2.3 U	2.1
FLOU-MIT-2	12/7/2010	49	22	130	37	190	130	100	160	48	1.4 U	58	200	6.5	32	160	120	18	19	19	1.4 U	2	1.4 U	2.6
FLOU-MIT-3	12/7/2010	40	20	120	31	150	110	90	140	49	1.5 U	53	170	7.1	39	150	110	16	18	17	1.5 U	1.5 U	1.5 U	2.3
FLOU-MIT-4	12/7/2010	31	13	74	23	100	68	58	100	37	1.3 U	39	130	4.5	29	130	81	12	14	14	1.3 U	1.3 U	1.3 U	1.7
FLOU-MIT-5	12/7/2010	69	36	180	53	240	150	140	220	91	2.2 U	74	270	10	44	230	160	26	28	24	2.2 U	2.2 U	2.2 U	3.6
FLOU-MIT-6	12/7/2010	120	46	180	70	260	170	160	230	110	1.9 U	83	260	11	61	240	150	26	28	22	2.4	1.9 U	1.9 U	3.9
FLOU-MIT-7	12/7/2010	67	59	84	140	500	220	120	700	380	7.9 U	250	610	34	180	770	380	77	81	49	7.9 U	7.9 U	7.9 U	8.2
FLOU-MIT-8	12/7/2010	120	44	240	64	250	160	160	230	100	1.7 U	96	270	12	70	240	150	25	28	24	2.2	2.3	1.7 U	4.0
FLOU-MIT-9	12/7/2010	100	45	210	85	330	170	160	290	140	1.7 U	100	320	13	87	310	190	31	33	28	2.2	2.5	1.7 U	4.6
FLOU-MIT-10	12/7/2010	24	11	73	17	76	45	47	73	29	0.94 U	31	100	3.5	24	87	57	9	10	9	0.94 U	0.94 U	0.94 U	1.3

Notes:
U = Concentration is below the laboratory's method detection limit. One half of the method detection limit is utilized in the summation.
Since 1988, the NOAA Center for Coastal Monitoring and Assessment has calculated total PCB concentations by summing the 18 specific NOAA Congeners and multiplying by a of 2.0.

Center for Coastal Monitoring and Assessment

Monitoring Data - Benthic Surveillance

Benthic Surveillance contaminants

Organic Contaminants, and Major and Trace Elements

The Benthic Surveillance Project monitored concentrations of the trace metals and organic compounds in fish livers and sediments, listed below. Concentrations of these chemicals can serve as indicators of human activity. While the metals have different uses they can be categorized as chemicals whose discharge to the environment has been enhanced through industrialization.

The groups of organic compounds cannot be categorized so generally. Two of those groups, total DDT (tDDT) and chlordane, are chlorinated pesticides. Use of DDT in the United States was banned in 1970. The use of chlordane on crops and ornamental plants was first restricted in 1974.

Its major use as a termiticide came under sever restriction in 1988. Polychlorinated biphenyls (tPCB) are a mixture of compounds based on the biphenyl molecule, chlorinated to various extents. It began to be used in 1929 for a number of industrial purposes. Its high heat capacity and low dielectric constant were exploited for its major use in electrical transformers and capacitors. Its use in the United States began phasing out in 1971 and was banned in new devices starting in 1976.

All of these banned compounds, tDDT, Chlordane, and tPCB, still exist in the environment. They are still used in other countries. Within the United States, chlordane is still in the ground as a termiticide, PCB-containing devices are still in use, and DDT, while no longer serving any purpose, remains in the environment because (like chlordane and PCB) of its resistance to degradation. The pesticide DDT is metabolized to DDE and DDD in the environment, but the tDDT group of compounds resists further degradation.

Polycyclic aromatic hydrocarbons (PAHs) are like metals in the sense that they are not synthetic but occur naturally. They are found in fossil fuels such as coal and oil. Their existence though is also attributable to humans because they are produced when organic matter is burned. There are a multitude of human activities, from burning coal and wood to incineration of wastes, that create PAH compounds in excess of what would otherwise naturally exist. Often the lower molecular weight compounds (2- and 3-ring compounds) are classified separately from the higher weight compounds (4- and 5-rings) because the lower weight compounds have the higher association with petroleum and the higher weight compounds with combustion products. Because fish metabolize PAHs none are reported for liver tissues but the suite of PAHs listed below are reported for sediments. In order to determine the level of fish exposure to PAHs, PAH metabolites are reported for liver tissues.

Major Elements (µg/g dry wt.)

Al Aluminum

Fe Iron

MnManganese

Si Silicon

Trace elements (µg/g dry wt.)

SbAntimony

As Arsenic

CdCadmium

Cr Chromium

CuCopper

PbLead

HgMercury

Ni Nickel

SeSelenium

AgSilver

SnTin

Zn Zinc

Tl Thallium

Polychlorinated biphenyl congeners (IUPAC numbering system) (ng/g dry wt.)

PCB 8	PCB 101	PCB170
PCB 18	PCB 105	PCB 179
PCB 28	PCB 118	PCB 180
PCB 44	PCB 126	PCB 187
PCB 52	PCB 128	PCB 195
PCB 66	PCB 138	PCB 206
PCB 77/110	PCB 153	PCB 209

Non-ortho PCB congeners 77 and 126 reported by the Benthic Surveillance Project were determined using the same procedures as for the other PCB congeners, see NOAA NOS ORCA Technical Memorandum 71. Prior to 1988 PCBs were measured as concentrations per level of chlorination. Since 1988 individual congener concentrations have been measured.

Chlorinated pesticides (ng/g dry wt.)

2,4'-DDD

4,4'-DDD

2,4'-DDE

4,4'-DDE

2,4'-DDT

4,4'-DDT

Aldrin

Dieldrin

alpha -Chlordane

Heptachlor

Heptachlor epoxide

trans-Nonachlor

Lindane (gamma-Hexachlorocyclohexane)

Hexachlorobenzene

Mirex

Polycyclic Aromatic Hydrocarbons (ng/g dry wt.)

Low molecular weight PAHs	High molecular weight PAHs
(2 ring structure)	(4 ring structure)
Biphenyl	Fluoranthene
Naphthalene	Pyrene
1-methylnaphthalene	Benz[a]anthracene
2-methylnaphthalene	Chrysene
2,6-dimethylnaphthalene	
1,6,7-trimethylnaphthalene	(5 ring structure)

	Benzo[a]pyrene
Fluorene	Perylene
Phenanthrene	Dibenz[a,h]anthracene
1-methylphenanthrene	Benzo[b]fluoranthene
Anthracene	Benzo[k]fluoranthene
Acenaphthene	(6 ring structure)
Acenaphthylene	Benzo[ghi]perylene
	Indeno[1,2,3- cd]pyrene

Organotins (ng of Sn/g dry wt.)	
Monobutyltin3+	Monobutyltin
dibutyltin2+	Dibutyltin
tributyltin+	Tributyltin
tetrabutyltin	Tetrabutyltin

Ancillary measurements:

- Sediment grain size
- Total organic carbon
- Salinity
- Temperature
- Conductivity
- Dissolved oxygen
- Androstanol
- Coprostanol
- Fluorescent aromatic compounds-high weight
- Fluorescent aromatic compounds-low weight
- Aryl hydrocarbon hydroxylase

Aggregated chemicals

When NS&T data have been aggregated, the aggregations were made as follows:

Total DDT (tDDT) : The sum of concentrations of DDTs (dichlorodiphenyltrichloroethane) and its metabolites, DDEs (dichlorodiphenyltrichloroethylene) and DDDs (dichlorodiphenyldichloroethylene).

Total chlordane (tCdane) : The sum of concentrations of two major constituents of chlordane mixtures, *cis*-chlordane and *trans*-nonachlor and two minor components, heptachlor and heptachlorepoxide.

Total polychlorinated biphenyls (tPCB) : The sum of the concentrations of di-, tri-, tetra-, penta-, hexa-, hepta-, octa-, and nonachlorobiphenyls. Since 1988, the equivalent tPCB has been calculated from the sum of concentrations of 18 individual PCB congeners (excludes planar PCBs) which is then increased by a factor of 2.

Total polycyclic aromatic hydrocarbons (tPAH) : The sum of concentrations of the 18 PAH compounds.

Low Molecular Weight (LMW) and High Molecular Weight (HMW) PAHs : These are subsets of tPAH with LMW being the sum of concentrations of 2-and 3-ring compounds, and HMW being the sum of concentrations of compounds with 4 or more rings.

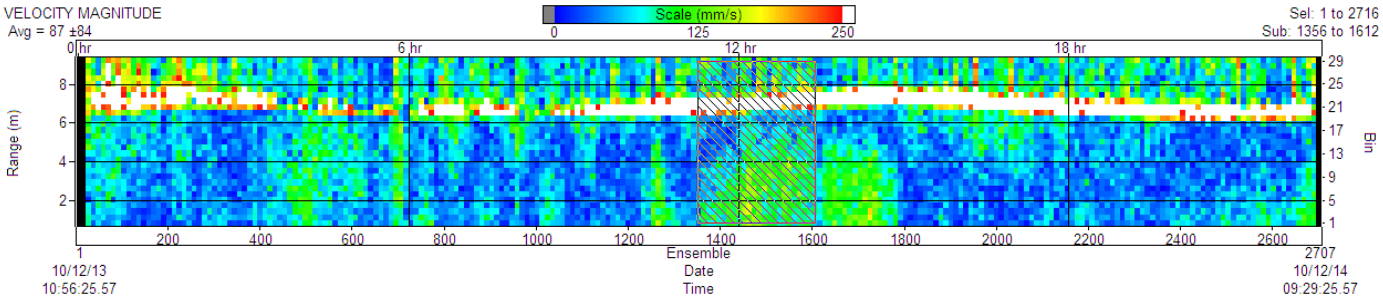
Total butyl tin (tBT) : The sum of the concentrations of tributyl tin and its breakdown products dibutyl tin and monobutyl tin. (as tBT)/g dry wt.)

Center for Coastal Monitoring and Assessment
Freedom of Information Act

Southern Mitigation Study Area (Area-3)

Deployment #5283C

Full Record



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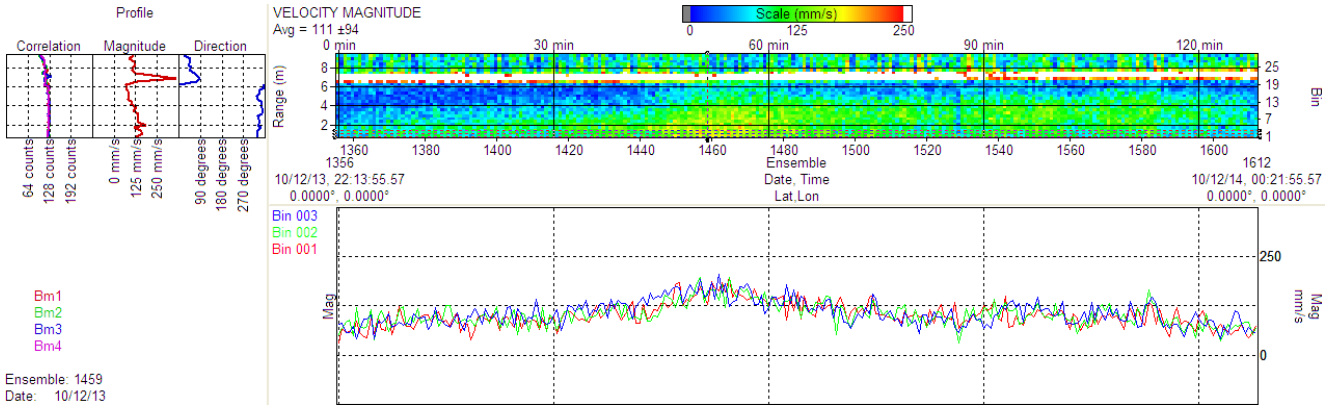

Deployment #7109C

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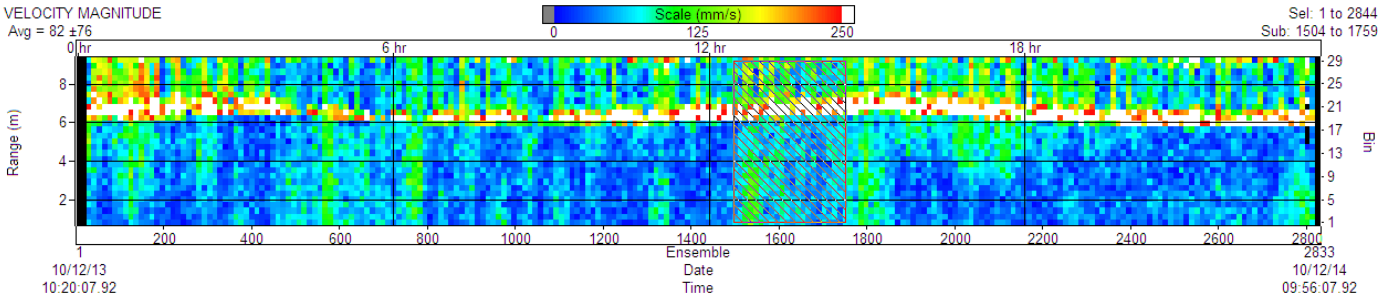

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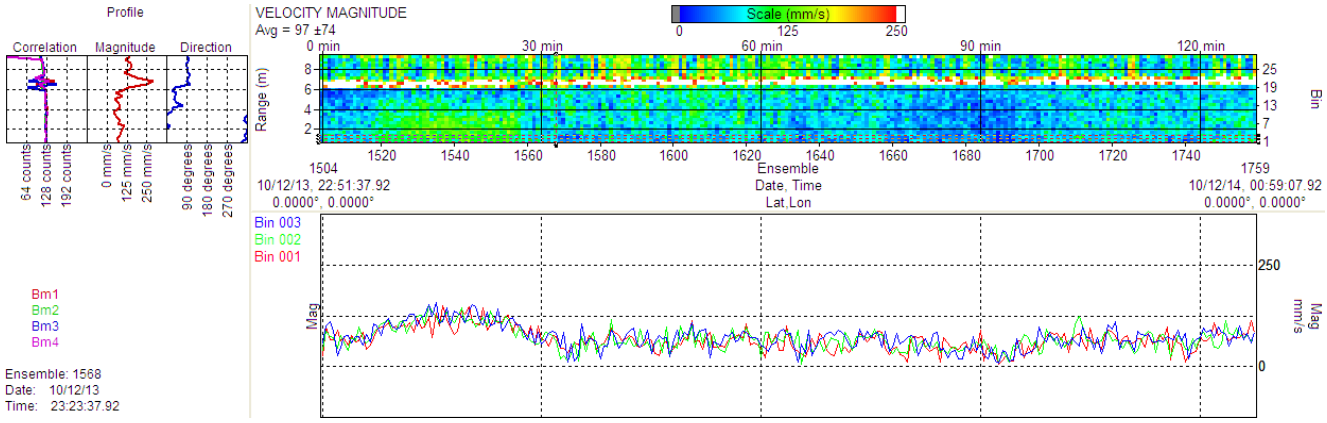

Deployment #563_C
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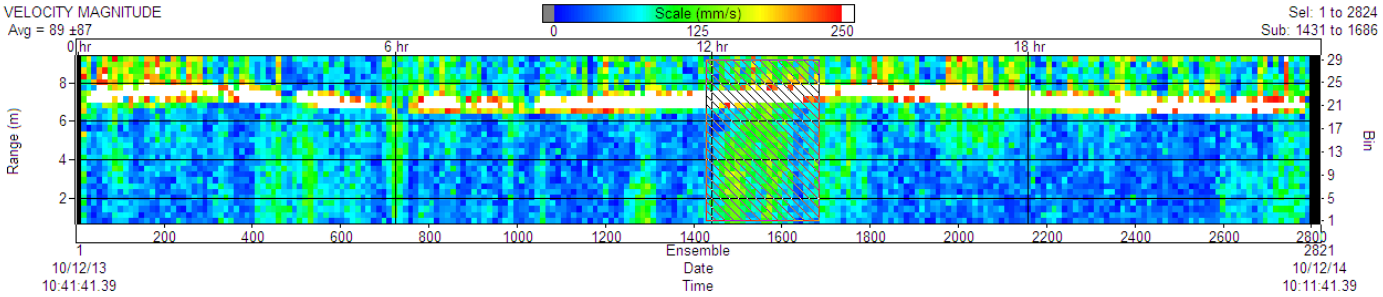

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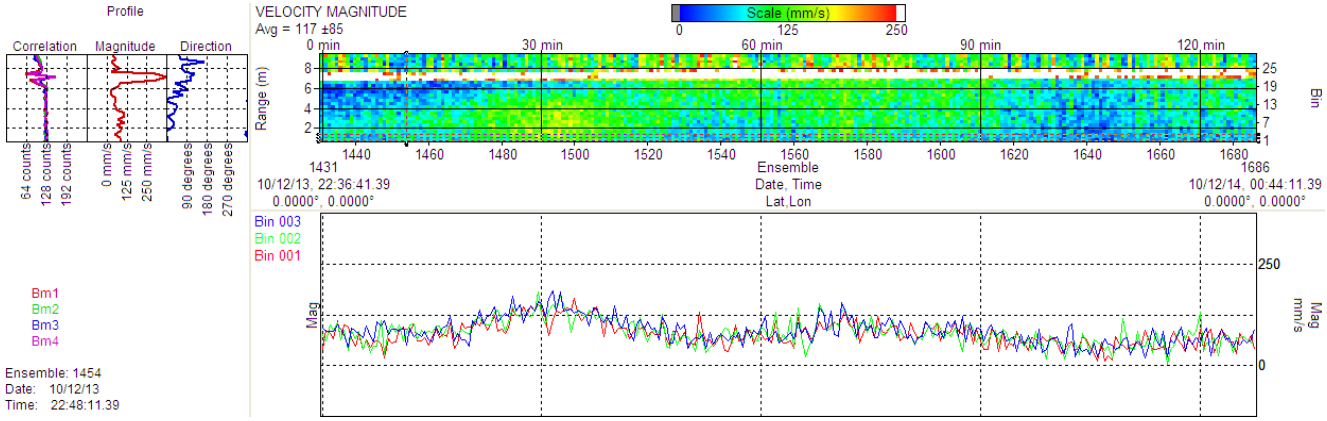

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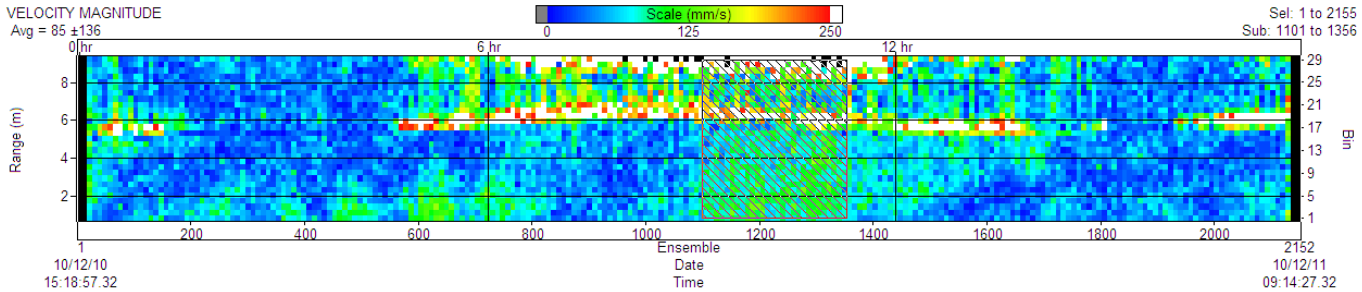

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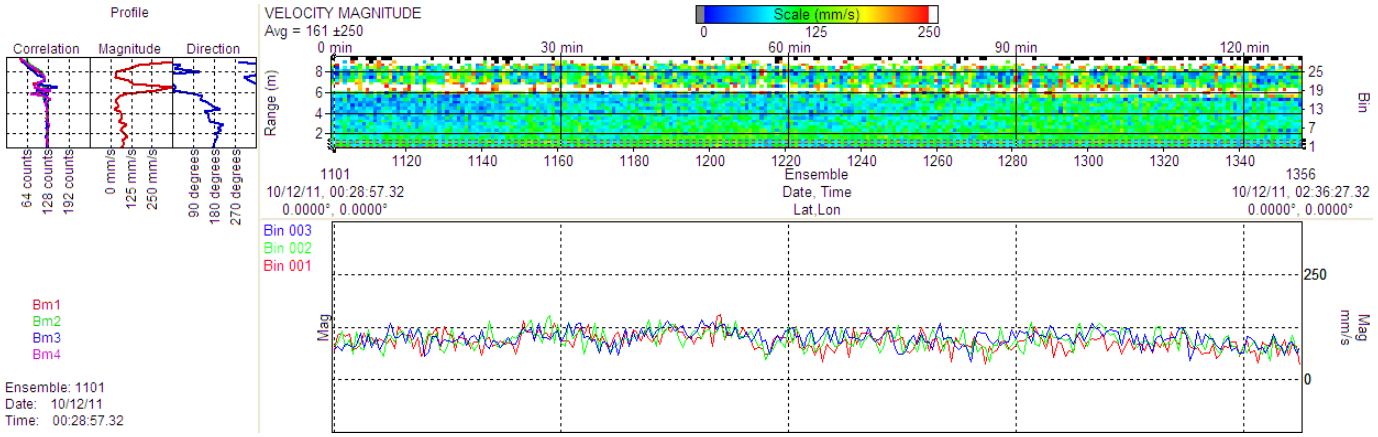
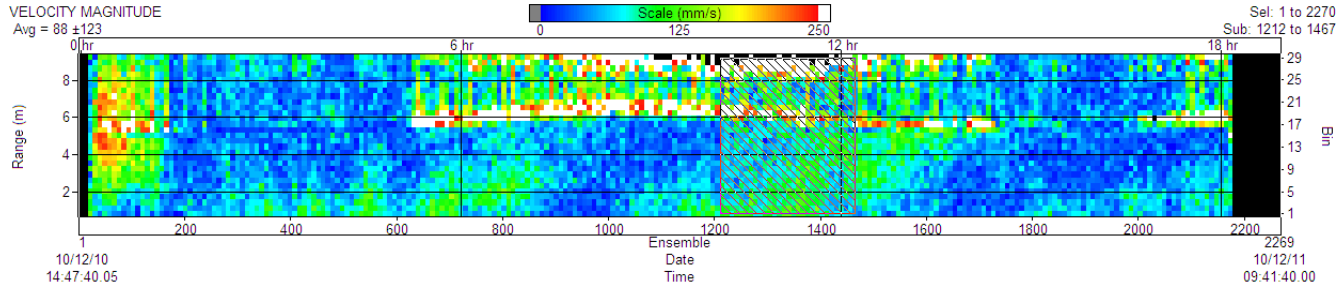


Middle Mitigation Study Area (Area-2)

Deployment #563_B

Full Record



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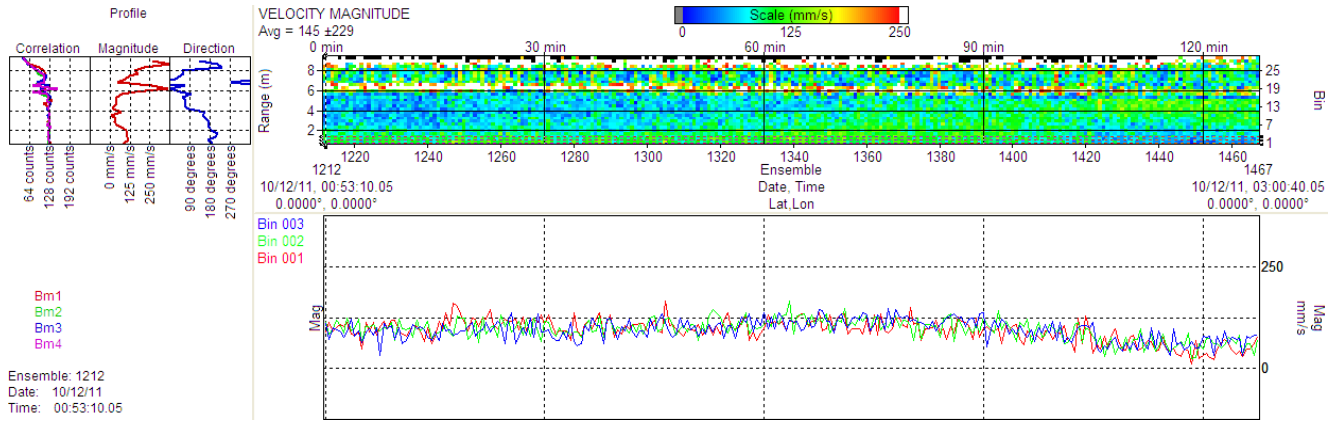
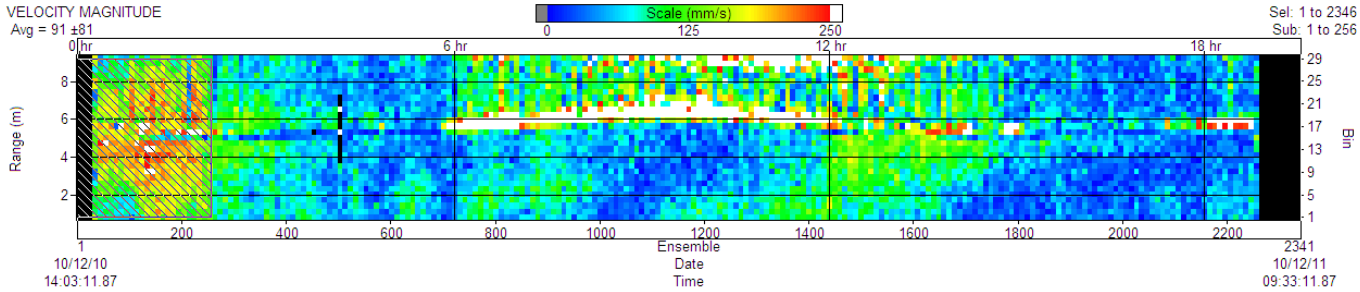


Deployment #5283B

Full Record



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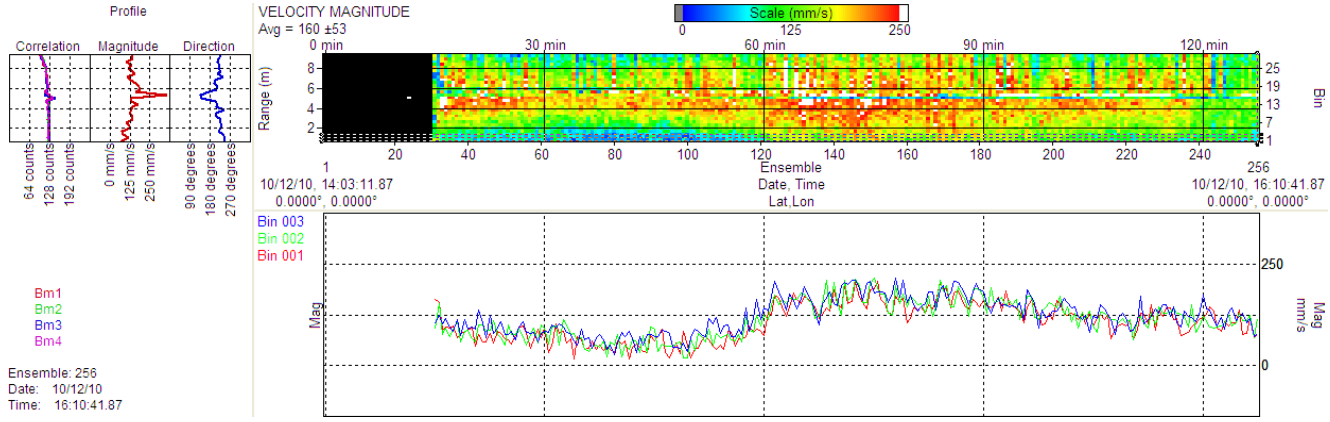

Deployment #7109_

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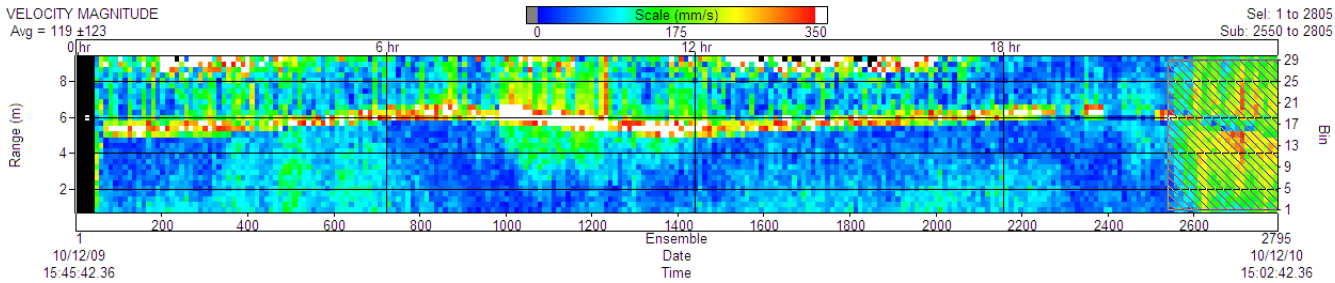

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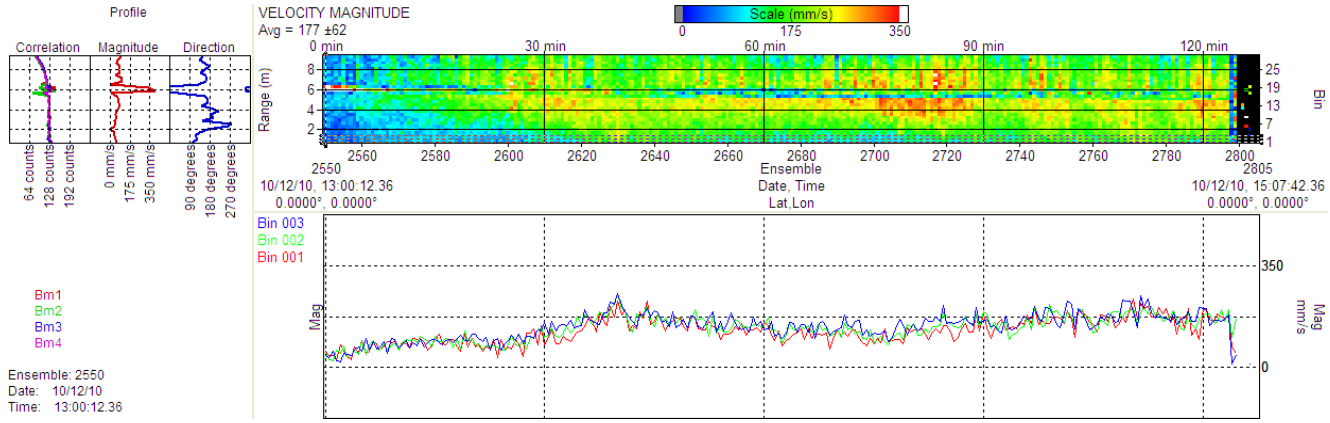
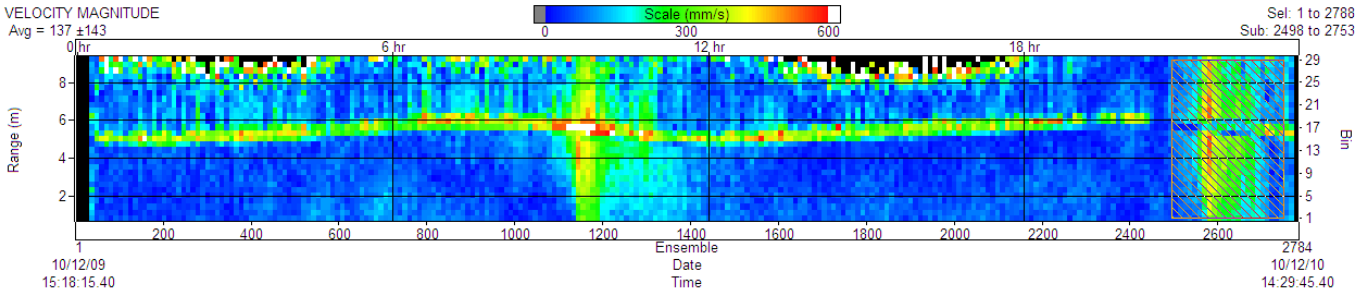


Northern Mitigation Study Area (Area-1)

Deployment #563_1

Full Record



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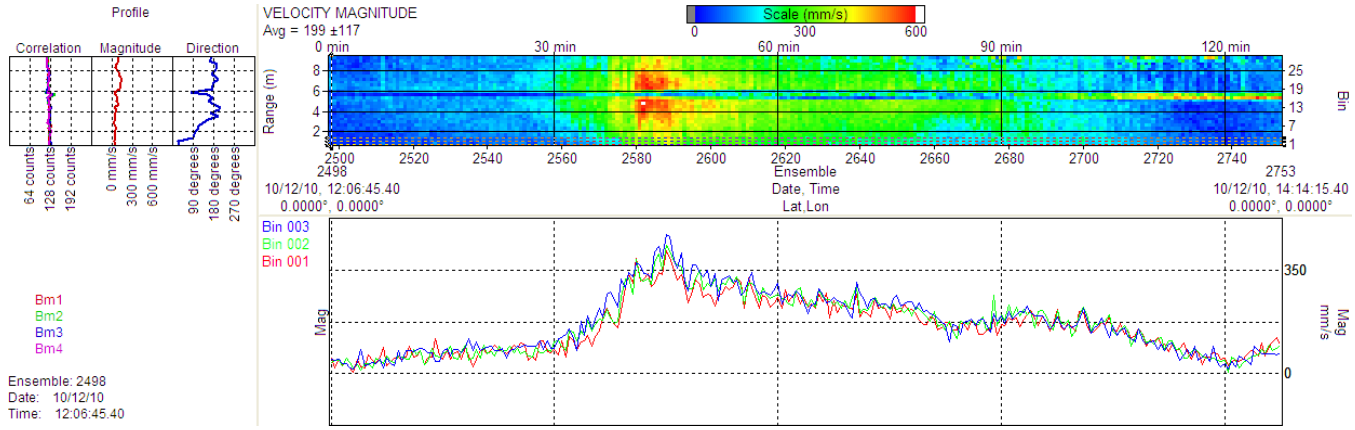

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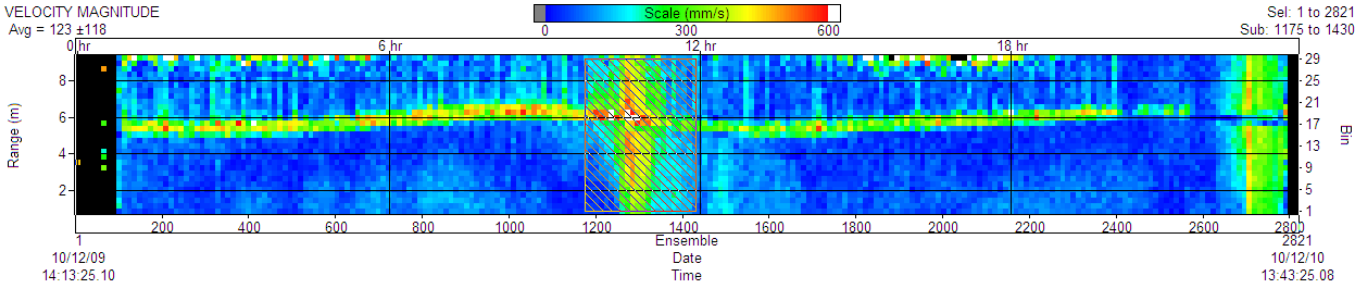

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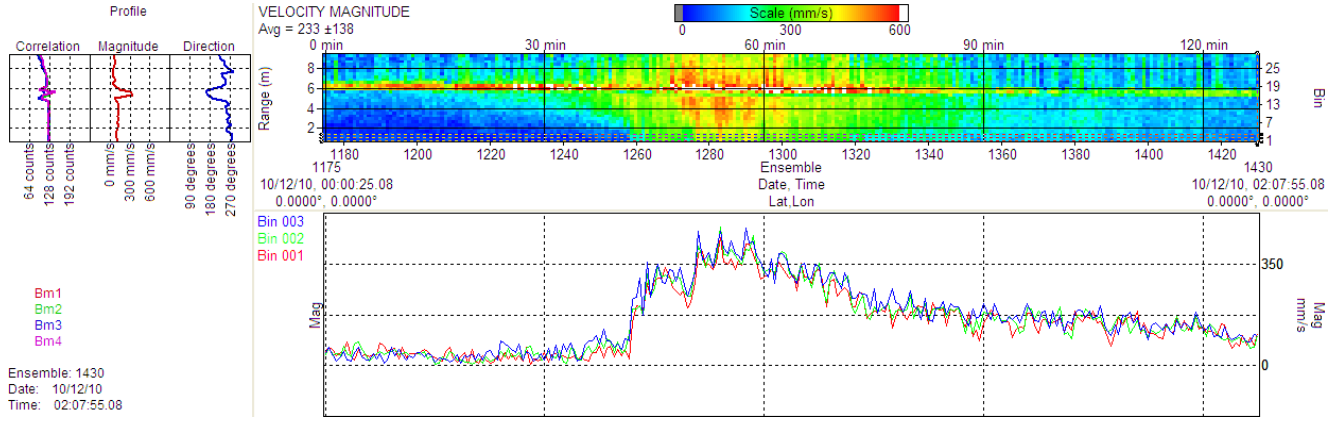

APPENDIX 8

A summary of available literature has found the following information. It consists of at least one study noting the link between PCB contamination and a reduction in Winter Flounder larval length and body weight and another study noting that reduced larval length and body weight results in significant decreased survival potential.

Summaries of key points are noted below, and the original papers are attached:

1.) <u>The Effect of Inherited Contamination on Egg and Larval Winter Flounder pseudopleuronectes americanus</u>

Dianne E. Black, Phelps, Donald K. and Lapan, Richard L., Environmental Research Laboratory, EPA, South Ferry Road, Narragansett RI – accepted for publication, 11/15/87 in <u>Marine Environmental Research.</u>

"Eggs from the New Bedford Harbor flounder contained significantly higher levels of PCB (39.6 ug/g dry weight), and larvae which which hatched from these eggs, under clean laboratory conditions, were significantly smaller in length (2.96 mm) and weight (0.018 mg) than those from Fox Island fish (1.08 ug PcB/g dry wt., 3.22 mm, 0.022 mg). Linear regression indicated a significant inverse relationship between PCB content of the eggs and length or weight at hatch."

"In the absence of predators and under the good water quality and nutritional conditions provided in the laboratory, these larvae were able to compensate for the initial retarded growth; however, the fate of larvae in New Bedford Harbor, where contaminant exposure would continue throughout development is unknown."

"For larval fish, the consequence or smaller size at hatch may be severe, since the best survival strategy is rapid growth (Ware 1975; Marr 1956; Cushing 1974). Small larvae are inefficient predators and at the same time more vulnerable to predation due to reduced visual and swimming ability. The high metabolic cost of inefficient prey capture reduces the energy available for growth and due to rudimentary digestive tract, they have inefficient digestion as well. In addition, small larvae have less yolk reserves to sustain them during critical transition to exogenous feeding when prey capture behavior must be learned (Lawrence 1977; Baxter and Hemple 1963)."

2.) <u>Winter Flounder pseudopleuronectes americanus reproductive success. I. Among-location variability in size and survival of larvae reared in the laboratory</u>

L.J. Buckley, A.S. Smigielski, T.A. Halavik, E.M. Calderone, B.R. Burns, G.C. Laurence, National Marine Fisheries Center, Narragansett Laboratory, Narragansett, Rhode Island 02882-1199

"Generally, larger eggs produce larger larvae (Miller et al. 1988). Blaxter (1969) stated that 'larger larvae may be expected to be stronger, better swimmers, less susceptible to

damage, and less liable to predation.’ It is also expected that larger larvae are better able to capture and assimilate food.”

“While positive correlations have been reported between larval size and numerous attributes potentially contributing to increased survival, including days to irreversible starvation, swimming speed, and mouth gape (Knutsen & Tilseth 1985, Miller et al. 1988), the relation between larval size at first feeding and survival is not well documented, particularly within species. Our data from the 1987 spawning season are among the few published reports showing a direct correlation between larval size and survival for the first month of life.”

“Winter Flounder collected at selected locations (Long Island Sound, Narragansett Bay…a direct correlation was observed between size of yolk-sac larvae and survival for the first month of life…fish from Narragansett Bay produced the smallest larvae with the lowest survival rate – 1 in 1400. Environmental factors known to affect larval size and mortality are water temp. during gametogenesis and embryonic development (Baxter and Hempel 1963, Bagenal 1071, southward and Demir 1974…), dissolved oxygen levels and exposure to environmental contaminants, including PCBs, pesticides and heavy metals (Rosenthal and Alderdice 1976, Black et al. 1988).”

“These data suggest that when differences in size among newly hatched larvae are sufficiently large, survival potential can be affected.”

- accepted for publication 11/15/87 in "Marine Environmental Research"

Site:
Break:
Other:

The Effect of Inherited Contamination on Egg and Larval Winter Flounder, *Pseudopleuronectes americanus*

Dianne E. Black

Donald K. Phelps

Richard L. Lapan

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Abstract

The exposure of adult winter flounder, *Pseudopleuronectes americanus*, to contaminated estuarine environments and a possible impact of this exposure on their progeny was investigated. Polluted study areas included Gaspee Point in upper Narragansett Bay, RI, New Bedford Harbor in Buzzards Bay, MA, noted for its PCB contamination, and Apponagansett Bay, MA a less contaminated site near New Bedford. Fox Island, a relatively clean area in lower Narragansett Bay, served as a reference area. Although adult winter flounder disperse offshore during the summer, a tag and recapture study verified their yearly residence and exposure to contaminants at Gaspee Point during the spawning season. A similar migratory pattern was assumed for Buzzards Bay fish. Growth, survival and contaminant residues were measured in the progeny of fish collected from the study areas. Eggs from New Bedford Harbor flounder contained significantly higher levels of PCB (39.6 ug/g dry weight), and larvae which hatched from these eggs, under clean laboratory conditions, were significantly smaller in length (2.96 mm) and weight (0.018 mg) than those from Fox Island fish (1.08 ug PCB/g dry wt., 3.22 mm, 0.022 mg). Linear regression analysis indicated a significant inverse relationship between PCB content of the eggs and length or weight at hatch. The adverse ecological consequence of small size at hatch is discussed.

Key words: *Pseudopleuronectes americanus*, PCB, metals, hydrocarbons, reproduction, growth, larvae, New Bedford, fish tagging

Introduction

Exposure to pollutants can affect individual fish directly or it may adversely impact succeeding generations through bioaccumulation in ovarian eggs. This is particularly true for organic pollutants which have an affinity for lipids, a major component of fish eggs. These eggs may exhibit reduced fertilization or increased embryo and larval mortality, reduced growth and abnormal development may result: all may decrease the chances for survival of the population (Rosenthal and Alderdice 1976; Sprague 1971). Our research examines the exposure of adult winter flounder to polluted natural environments prior to spawning, and a possible impact of this exposure upon their progeny.

Methods and Materials

Study Areas (Fig. 1): Narragansett Bay, Rhode Island is characterized by a gradient of anthropogenic contamination. To the north the upper bay receives wastes from the industrialized city of Providence including effluents from sewage treatment plants, jewelry and plating industries, chemical manufacturing, and pollution from harbor activities. Scientific investigations have confirmed elevated levels of heavy metals (Phelps and Galloway 1980), petroleum hydrocarbons (Farrington and Quinn 1973; Van Vleet and Quinn 1977 and 1978), and polychlorinated biphenyls (PCB's) along with other chlorinated organic compounds (Lake et al. 1981; Lake unpublished) and polycyclic aromatic hydrocarbons (Lake et al. 1979). Gaspee Point lies near the mouth of the Providence River and was selected as a study site because it typifies the polluted upper bay. The area is

permanently closed to shellfishing and commercial trawling for finfish, but it supports a population of winter flounder, Pseudopleuronectes americanus, and is sufficiently free of debris to allow sampling with a small otter trawl.

To the south, Narragansett Bay boasts high water quality (Phelps and Galloway 1980) and productive commercial fisheries. Selected as a "clean" study area, Fox Island lies in the lower bay and waters adjacent to it support a population of winter flounder.

New Bedford Harbor, located in Buzzards Bay, lies east of Narragansett Bay along the southern coast of Massachusetts and was selected as a study area heavily impacted by man's industrial activities. New Bedford is noted for its severe PCB pollution problem and the extent of contamination is sufficient to place it on the U.S. Environmental Protection Agency's Superfund list of hazardous sites. PCBs were discharged into New Bedford Harbor via the Acushnet River, as well as into Buzzards Bay, through the New Bedford wastewater treatment plant at Clarks Point from 1947 to 1978 (Weaver 1984). PCB contamination from the harbor spread to other areas of the bay and led to closures in 1979 of shellfish, including lobster, and finfishing grounds in Buzzards Bay. The harbor is also a source of heavy metal contamination resulting from an 80 year history of industrial discharges. Copper, chromium and zinc are the major pollutants, but silver, cadmium and lead are also present at elevated levels (Stoffers et al. 1977).

Sediment samples outside of New Bedford harbor in other areas of Buzzards Bay have high levels of PCB's and metals indicating the gradual spread of contaminants (Stoffers et al. 1977; Weaver 1984). The mouth

of Apponaganset Bay was chosen as an impacted area of lesser contamination within Buzzards Bay.

Tag and Recapture Study: A tag and recapture study was conducted to ascertain the migratory habits of winter flounder. This study was confined to Narragansett Bay, at Fox Island and Gaspee Point, because we relied upon commercial and sport fisherman for tag returns, and the Buzzards Bay study areas are closed to fishing. Approximately 500 fish were captured by otter trawl, tagged and released at each station during March and April. The total length and sex of each fish were recorded. Peterson disk tags were used and a reward was offered for their return. The study was advertised by poster in local bait shops and commercial fishing operations. When a tag was returned, information on date, place, method of recapture and total length was requested.

Egg and Larval Rearing: In March of 1979, mature winter flounder were collected by otter trawl at Gaspee Point and Fox Island in Narragansett Bay, and in March 1981 similar collections were made at Fox Island and the two Buzzards Bay stations, New Bedford Harbor and Apponagansett Bay. Fish were transported in large polyethylene garbage cans filled with seawater from the collection site, then held at the laboratory in flowing unfiltered Narragansett Bay water at ambient temperature (5-10°C) until they spawned.

To induce spawning, injections of carp pituitary were administered following the procedure of Smigielski (1975) and all fish spawned within one week in 1979 and 17 days in 1981. When ready to spawn, total length of the female was measured and her eggs were stripped into a Nitex[1]

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[1] Mention of trade names or commercial products does not constitute endorsement or recommendation for use by the U.S. Environmental Protection Agency.

screen (500 microns) basket, fertilized with a mixture of sperm from three Fox Island males and coated with diatomaceous earth to prevent clumping following the procedure of Smigielski and Arnold (1972). The eggs were rinsed thoroughly and the basket placed in a black polyethylene rearing tank (34 x 30 x 15 cm) containing six liters of filtered, UV treated sea water with 25 ppm penicillin and 25 ppm streptomycin added to retard bacterial growth. An air stone provided water circulation around the eggs. Each rearing tank contained eggs from only one female and was considered to be a replicate. Thus, in 1979, there were eleven Gaspee Point and four Fox Island replicates. Similarly, in 1981, there were ten New Bedford Harbor, three Apponagansett Bay and nine Fox Island replicates.

After hatch, which occurred within 11 days, two hundred larvae from each replicate were transferred by pipette to clean black polyethylene rearing tanks containing six liters of sea water treated as previously described. Again, each rearing tank contained larvae from only one female. The larval rearing methods were similar to Klein-MacPhee et al. (1980), with the exception that in 1981, a diet of laboratory cultured rotifers (Brachionus plicatilis) was used, instead of a rotifer and wild plankton mixture, until the larvae were large enough to ingest Artemia nauplii. Throughout both year's experiments a temperature of 8 $\pm$ 1°C was maintained by floating the rearing tanks in a chilled water bath. Salinity of the rearing water ranged from 28-32 ppt and the light regime was 12 hr. light/ 12 hr. dark.

Biological Measurements: A suite of biological variables were measured during egg incubation and larval rearing. Percent fertilization, indicated by appearance of the perivitelline space, was measured within

30 minutes after spawning. Percent survival of the embryos was measured one day prior to hatch. At hatch, the total length of 20 individuals from each group was measured. After eight weeks, survival and percent metamorphosis were recorded. The total length and dry weight of each survivor was determined as follows: After length was measured, the larva was rinsed three times with ammonium formate solution to remove the salt water, placed on a tared aluminum pan, dried at 90°C for 24 hours, cooled in a desicator, and weighed on a Perkin-Elmer microbalance. In the 1981 experiments, dry weight of newly-hatched larvae was determined from five groups of five individuals using the method described above.

Chemical Analyses: Prior to fertilization, egg samples from individual females were collected for chemical residue analyses. Samples for metals analysis were frozen in polyethylene bags. Samples for organic analysis were frozen in aluminum foil covered glass jars that had been combusted at 450°C for six hours to remove organic contaminants.

For determination of petroleum hydrocarbons in 1979, samples were thawed, then extracted as outlined in Dimock et al. (1980). The first fraction (F1) obtained from this column contained the aliphatic material; the second fraction (F2) contained aromatic compounds. Naturally occurring olefinic compounds may be present in both fractions. Each fraction was volume reduced and analyzed on a 20 m SE-54 glass capillary column with a Hewlett-Packard 5840A gas chromatograph and flame ionization detection.

Eggs from the 1981 experiments were analyzed for PCBs using routine procedures described in Lake et al. (1985). The samples were extracted with a polytron and organic solvents, separated by column chromatography with silicic acid and analyzed by electron capture detection glass capillary column chromatography. PCB's were analysed and quantified as

Aroclor 1254.

Trace metal analyses were performed on both 1979 & 1981 fish egg samples. Routine sample preparation included oven drying and concentrated nitric acid digestion and yielded 50 ml samples in 5% nitric acid solutions. Copper, iron, zinc, nickel, chromium, cadmium and lead concentrations were determined by flame atomization atomic absorption (AA) with a Perkin-Elmer (model 603) atomic absorption spectrophotometer. The AA instrument was equipped with D2 arc background correction and was calibrated before, during and after each set of samples for a given element. The instrument setup procedures for the flame AA determinations were in accordance with procedures described in "Methods for Chemical Analysis of Water and Wastes," (U.S. EPA 1979) and are also found in the manufacturer's reference manuals.

Statistical Methods: Other research has shown that both the size of the adult female and the use of pituitary hormone injections to induce spawning can affect the biological responses and chemical residues that were measured in our study. For example, positive correlations between PCB's, as well as other organochlorines, and body weight have been found in lake trout and gurnards (Bache et al. 1972; Ernst et al. 1976). For both striped bass and herring, positive correlations have been found between adult size and egg size, which in turn may increase larval survival (Rogers and Westin 1981; Blaxter and Hemple 1963). The literature citing effects of pituitary hormone injections on progeny viability is conflicting. Some investigators report production of inferior gametes after induced spawning, while others report good fertilization, viable hatch, and normal larvae (Clemens and Sneed 1962; Smigielski 1975). Because of this evidence, and since the adult size and the number of hor-

mone injections administered varied in our study, any relationship that existed between these adult variables and the embryo-larval variables should be considered. Therefore, an analysis of covariance, using adult length and number of hormone injections as covariates, was performed on the biological and chemical variables to determine if any significant ($\alpha = 0.05$) differences existed among the sampling stations. Where one or both covariates had a significant relation with the dependent variable, adjusted means were calculated and differences among the adjusted means were tested using a Least Square Means pairwise comparison test. The arcsin $\sqrt{p}$ transformation was applied to percentage variables to stabilize the variances; 1981 PCB data was log transformed. Due to small changes in experimetal method, each year was considered a separate data set and no between year comparisons were made. The relationship between PCB concentration (untransformed) in the eggs and subsequent larval length and weight at hatch was examined using linear regression analysis.

Results

Tag and Recapture Study: Of the 997 fish tagged, 196 tags (20%) were returned. Table 1 and Figures 2,3, and 4 present the tag and recapture data. The yearly migration pattern for winter flounder tagged at each study area during March and April 1980 was determined from fish recaptured in 1980, 1981 and 1982. By summer (June - September) most fish had moved off the spawning grounds, with Gaspee Point fish concentrating in the lower bay and Fox Island fish moving offshore, although individuals from both populations were recaptured in areas offshore of Cape Cod,

Nantucket and Martha's Vinyard. In the fall and winter (October - February) the fish migrated back into Narragansett Bay and began to be recaptured near the spawning areas again. In the spring (March - May) the majority of fish were recaptured on the spawning grounds where they were originally tagged and released, although some dispersion of both population occurred near Prudence Island, between Conanicut Island and Aquidneck Island, and at the mouth of the bay. It is probable that flounder return to the spawning areas earlier than March; however, tag returns during the winter were few, due to declining fishing effort during cold weather. This is especially true at Gaspee Point, since commercial trawling is prohibited in the upper bay and recaptures from that area were solely by sport fisherman.

The migratory pattern revealed by recaptured fish shows that during the spring spawning season, Gaspee Point and Fox Island support distinct groups of winter flounder which return to their respective spawning grounds in subsequent years. It is during this season when body reserves are low due to harsh winter conditions and stress of spawning that the Gaspee Point group would be exposed to upper bay contamination. During the remainder of the year, these fish mix with the Fox Island group and reside in the relatively clean lower bay and offshore areas. There is no evidence that Fox Island fish move into the Providence River.

Egg and Larval Rearing: In 1981, significant covariate relations were found between adult length and percent fertilization, larval survival, length at hatch, weight at hatch, final weight, copper concentration in the eggs, and PCB concentration in the eggs. The number of hormone injections administered prior to spawning was related to embryo survival

and iron concentration. No covariate relations were found for percent metamorphosis, final length, and zinc concentration. In 1979, a significant covariate relation was found between adult length and larval survival, copper, zinc and iron concentrations.

Tables 2 and 3 present mean values, adjusted for significant covariation, and station comparisons of each biological response and chemical residue. In 1979, significant differences between stations were found in total hydrocarbon and F1 fraction hydrocarbon residues in the eggs; however, no inter-station differences were observed in the biological variables. Due to this lack of response, adult fish were collected in 1981 from two stations, New Bedford Harbor and Apponagansett Bay, in Buzzards Bay, Massachusetts, which is known to be more contaminated than Narragansett Bay. At the same time, another collection was made at Fox Island for comparison. Significant inter-station differences were observed in the PCB residues of these eggs, with New Bedford Harbor (39.6 ug/g dry wt.) being the most contaminated and significantly different from Fox Island (1.08 ug/g), the least contaminated. Apponagansett Bay eggs (15.7 ug/g) were intermediate in PCB content, but not significantly different from New Bedford Harbor eggs. No differences between stations were found for metal residues. Two biological variables, length and weight at hatch, revealed station differences which varied inversely with the amount of PCB found in the eggs. Newly-hatched larvae from New Bedford Harbor females were 0.2 mm (6%) smaller in length and 0.004 mg (18%) smaller in weight than larvae from Fox Island. Larvae from Apponagansett Bay females were intermediate in size and not significantly different from either Fox Island or New Bedford Harbor progeny. Linear regression analysis of data from all sites indicated a significant

inverse relationship between PCB content of the eggs and length or weight at hatch (Figure 5 and Table 4). Inter-station differences which did not correspond to contaminant residue levels were found for percent fertilization and will be discussed below. Nickel, chromium, cadmium, and lead were measured in the eggs, but for both years, residues were below the detection level of the methodology. Approximate detection limits were 2.5, 2.5, 0.8 and 1.7 ug/g, respectively.

Table 1. Data on winter flounder tagged at two stations in Narragansett Bay, R.I.

	Gaspee Pt	Fox Is
No. Tagged	498	499
Male	113 (23%)	205 (41%)
Female	383 (77%)	292 (59%)
Unknown	2 (<1%)	2 (<1%)
No. Recaptured	85 (17%)	111 (22%)
Male	17 (20%)	52 (47%)
Female	68 (80%)	59 (53%)
Recapture Method		
Otter trawl	59 (70%)	101 (91%)
Rod and reel	19 (22%)	3 (1%)
Spear fishing	0 (0%)	1 (1%)
Unknown	7 (8%)	6 (5%)
Length at tagging		
Mean(range)	26.5 (18.8-44.6) cm	28.7 (19.0-45.9) cm
Length of recaptures		
Mean(range)	29.0 (19.8-44.7) cm	30.3 (18.4-44.0) cm

Table 2: Adjusted mean values with standard errors and significant station differences for winter flounder embryo-larval biological responses, based on results of Analysis of covariance (AOCOV).

	1979				1981			
Biological Response	Station[a]	N	Mean (Standard Error)	AOCOV[b]	Station	N	Mean (Standard Error)	AOCOV
Percent Fertilization	FI	3	87.3 (2.9)	a	FI	9	99.0 (1.1)	a
	GP	11	95.2 (2.6)	a	AB	3	80.2 (16.0)	b
					NB	10	98.5 (1.3)	a
Percent Embryo Survival	FI	4	85.0 (4.8)	a	FI	9	84.1 (4.3)	a
	GP	11	82.4 (6.6)	a	AB	3	72.7 (17.0)	a
					NB	10	88.8 (9.4)	a
Percent Larval Survival	FI	4	10.2 (2.9)	a	FI	9	16.5 (2.6)	a
	GP	11	8.1 (1.6)	a	AB	3	18.3 (4.9)	a
					NB	10	17.6 (5.8)	a
Percent Metamorphosis	FI	4	43.3 (8.5)	a	FI	9	18.8 (3.7)	a
	GP	10	32.7 (7.0)	a	AB	3	41.0 (1.5)	a
					NB	9	21.3 (4.5)	a
Length at Hatch (mm)	FI	4	3.13 (0.13)	a	FI	9	3.22 (0.05)	a
	GP	11	3.17 (0.12)	a	AB	3	3.08 (0.11)	ab
					NB	10	2.96 (0.05)	b
Weight at Hatch (mg)	(not measured)				FI	9	0.022 (0.001)	a
					AB	3	0.020 (0.002)	ab
					NB	10	0.018 (0.001)	b
Final Length (mm)	FI	4	8.38 (0.31)	a	FI	9	8.03 (0.14)	a
	GP	10	7.92 (0.18)	a	AB	3	8.57 (0.03)	a
					NB	9	8.10 (0.10)	a

(continued)

Table 2. (continued)

Final Weight (mg)	FI	4	0.728 (0.147) a	FI	9	0.573 (0.037) a
	GP	8	0.562 (0.165) a	AB	3	0.749 (0.079) a
				NB	9	0.536 (0.037) a

[a] Station code: Fox Island - FI, Gaspee Point - GP, Apponagansett Bay - AB, New Bedford Harbor - NB.

[b] Values with different letters are significantly different (α = .05). No between year comparisons were made.

Table 3. Adjusted mean values with standard errors and significant differences for chemical residues in freshly-spawned winter flounder eggs, based on results of the analysis of covariance.

	1979				1981			
Chemical[a] Residue (ug/g dry wt.)	Station[b]	N	Mean (Standard Error)	AOCOV[c]	Station	N	Mean (Standard Error)	AOCOV[c]
PCB	(not measured)				FI	9	1.08 (0.24)	a
					AB	3	15.7 (7.5)	b
					NB	8	39.6 (8.6)	b
Total Hydrocarbons	FI	4	3.63 (1.02)	a	(not measured)			
	GP	11	9.77 (1.04)	b				
F1 (Aliphatic) Hydrocarbons	FI	4	2.50 (0.82)	a	(not measured)			
	GP	11	7.95 (0.90)	b				
F2 (Aromatic) Hydrocarbons	FI	4	1.13 (0.22)	a	(not measured)			
	GP	11	1.83 (0.24)	a				
Copper	GP	4	2.56 (0.29)	a	FI	9	2.20 (0.37)	a
	FI	11	2.43 (0.17)	a	AB	3	3.48 (0.78)	a
					NB	10	3.20 (0.36)	a
Zinc	FI	4	67.4 (5.2)	a	FI	9	60.6 (2.6)	a
	GP	11	62.4 (3.1)	a	AB	3	59.2 (0.9)	a
					NB	10	64.7 (2.5)	a
Iron	FI	4	14.2 (1.5)	a	FI	9	16.9 (1.0)	a
	GP	11	12.9 (0.9)	a	AB	3	17.0 (3.0)	a
					NB	10	17.6 (1.0)	a

[a] Wet weight/dry weight ratio is 5.79.

[b] Station code: Fox Island - FI; Gaspee Point - GP; Apponagansett Bay - AB; New Bedford Harbor - NB.

[c] Values with different letters are significantly different ($\alpha = 0.05$). No between year comparisons were made.

Table 4. Results of linear regression analysis of PCB content of eggs and larval size.

	Weight at hatch	Length at hatch
PCB content of eggs	p 0.0089 r -0.57	0.0232 -0.50

DISCUSSION

Migratory habits

Fish are mobile and often migratory organisms; therefore, when making inferences about exposure of wild fish, one must be confident that the sample population is indeed exposed to the contaminated environment under study. Fish movement may be restricted by physical barriers such as a fresh water lake or confinement to cages, or as with winter flounder, behavioral characteristics may limit movement. Saila (1961) showed by tag and recapture studies that winter flounder from Green Hill Pond, Rhode Island are dispersed in cooler offshore waters during the summer (June to November) but reassemble to spawn in Green Hill Pond during the winter (November to June). The present study confirmed this homing behavior for flounder in Narragansett Bay, verifying that exposure to contamination at Gaspee Point occurs at least during March through May and possibly earlier. It is assumed that similar migration occurs at the Buzzards Bay study areas.

The idea that contaminant bioaccumulation in adult fish would adversely affect their progeny is not new, and a review of this research, including effects of PCB's, DDT and heavy metals, is given by Westernhagen et al. (1981). In our study, the PCB content of eggs from the Buzzards Bay stations was significantly higher than that of Fox Island eggs and corresponding station differences were observed in larval size at hatch; that is, eggs from New Bedford Harbor with high PCB residues produced newly-hatched larvae that were smaller in length and weight than Fox Island larvae. Upon further examination of this inverse relation, significant linear correlations were found between PCB content and larval size

parameters. Whether a cause and effect relationship exists is unknown, since it is very possible that other contaminants covarying with PCBs could produce the response. As these larvae grew to metamorphosis, in clean water free of predators and fed a diet known to support larval development, the station differences disappeared. Such recovery may be due to biotransformation and detoxification of contaminants via mixed-function oxidase (MFO) enzyme systems known to exist in embryos of some teleost species (Binder and Stegeman 1980).

To the authors' knowledge only one other study has examined the relationship between PCB content of eggs and larval growth. Westin et al. (1983) obtained eggs with different PCB residues from Hudson River striped bass (Morone saxatilis) and fed the hatched larvae diets differing in PCB content. After comparing the various treatments, they concluded that inherited and dietary PCB concentrations do not affect larval growth and survival 20 days after yolk sac absorption. If comparisons of larval size were made only at metamorphosis, which occurs several weeks after yolk sac absorption in winter flounder, our data would support a similar conclusion about inherited PCB residue. Westin et al. (1983) did not measure size at hatch, but they did observe retarded initial growth, at 10 days after yolk sac absorption, which they attributed to an experimental design that delayed feeding until yolk sac absorption was complete. Our data suggest that the influence of inherited PCB residue might also have contributed to the retarded growth.

For a larval fish, the consequence of smaller size at hatch may be severe, since the best survival strategy is rapid growth (Ware 1975; Marr 1956; Cushing 1974). Small larvae are inefficient predators and at

the same time more vulnerable to predation due to reduced visual and swimming ability. The high metabolic cost of inefficient prey capture reduces the energy available for growth, and due to a rudimentary digestive tract, they have inefficient digestion as well. In addition, small larvae have less yolk reserves to sustain them during the critical transition to exogenous feeding when prey capture behavior must be learned (Lawrence 1977; Blaxter and Hemple 1963). Recently Logan (1985) developed a size dependent mortality model for young fish which accurately predicted the numerical decline of the 1975 cohort of Hudson River striped bass. According to his model, the greatest decrease in population size is caused by reductions in growth rate, length at hatch, and number of larvae at hatch, in the order of the magnitude of their effect. Recruitment is linearly related to the parental stock or number of eggs or larvae and exponentially related to growth or size. Logan states that "environmental factors affecting survival rate through size could more strongly influence year class strength than initial number, which affects the subsequent population size directly but has little or no influence on survival rate." His model may be applicable to other estuarine and marine species such as winter flounder, although this has not been demonstrated.

In the present study, no significant differences were found in embryo survival, larval survival or percent metamorphosis, and although Apponagansett Bay eggs had a significantly lower percent fertilization than the other groups, it was the result of exceptionally low fertilization (51%) of eggs from one female, and whether the sample is representative of the entire Apponagansett Bay population is unknown. The lack of effects

on survival and fertilization is similar to Hansen et al. (1975) who found that water column exposure of adult sheepshead minnows (Cyprinodon variegatus) to PCB (Aroclor 1016) resulted in accumulation of up to 77 ug/g (wet weight) in the eggs with no apparent effect on fertilization success, embryo survival, or fry survival to two weeks post hatch. In contrast, most other research has indicated detrimental influence of PCB's on these biological variables. For example, sheepshead minnow eggs with Aroclor 1254 levels greater than 7 ug/g exhibited decreased embryo survival to hatch and decreased fry survival one week post hatch (Hansen et al. 1973). In a study similar in design to ours, Westernhagen et al. (1981) observed consistently reduced viable hatch of progeny from Baltic flounder (Platichthys flesus) whose ovarian PCB content exceeded 120 ng/g (wet weight). Hogan and Brauhn (1975) found 75% mortality in hatchery-reared rainbow trout containing 2800 ng/g (wet weight) PCB compared to the previous years' 10-28% mortality in trout eggs with PCB content ranging from 310-1300 ng/g. Bengtsson (1980) found significantly reduced and delayed spawning activity of adult minnows (Phoxinus phoxinus) fed PCB contaminated diets, as well as reduced and premature hatching of their progeny.

The only route of exposure examined in this study was inherited contamination from adult exposure to a polluted natural environment during oocyte maturation. The resulting progeny were reared under clean laboratory conditions and the observed response in the most contaminated group, New Bedford Harbor, was smaller size at hatch. Eight weeks later, at metamorphosis, compensatory growth had eliminated the significant differences between New Bedford Harbor and Fox Island fish. In the absence of

predators and under the good water quality and nutritional conditions provided in the laboratory, these larvae were able to compensate for the initial retarded growth; however, the fate of larvae in New Bedford Harbor where contaminant exposure would continue throughout development is unknown.

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Figure legends

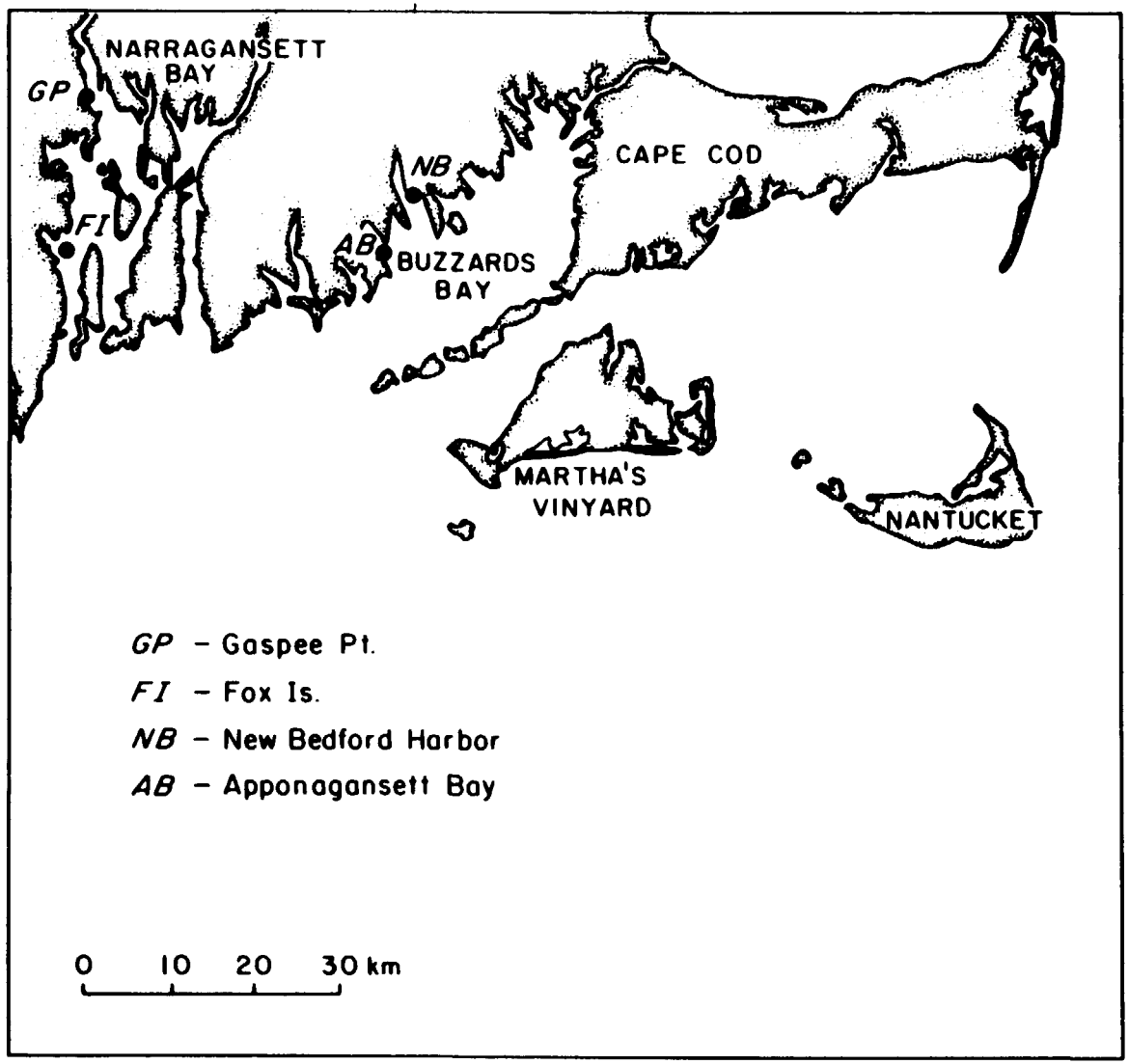
Figure 1. Study areas in Narragansett Bay, RI, and Buzzards Bay, MA, where mature adult winter flounder were collected.

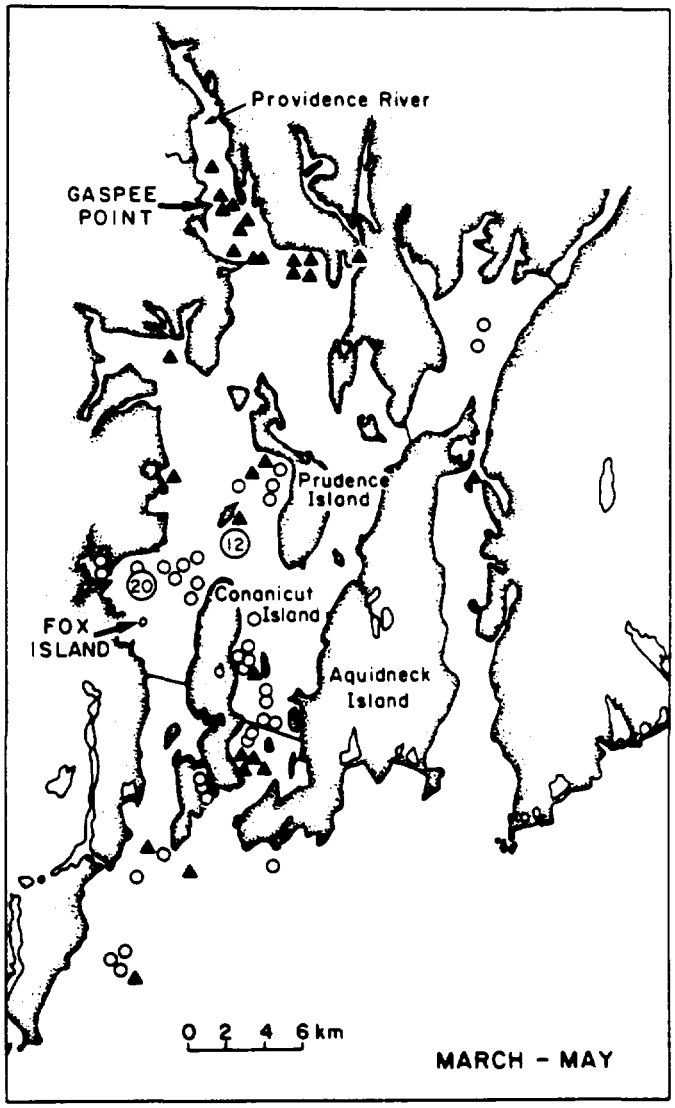
Figure 2. March - May recapture locations of winter flounder tagged and released at Gaspee Point and Fox Island in Narragansett Bay, RI. Each symbol represents one return unless indicated by an inscribed number.

Figure 3. June - September winter flounder recapture locations.

Figure 4. October - February winter flounder recapture locations.

Figure 5. Relationship between PCB concentration in winter flounder eggs and the larval length and weight at hatch.


NARRAGANSETT BAY
GP
FI
NB
AB
BUZZARDS BAY
CAPE COD
MARTHA'S VINYARD
NANTUCKET
GP - Gaspee Pt.
FI - Fox Is.
NB - New Bedford Harbor
AB - Apponagansett Bay
0 10 20 30 km


Providence River
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12
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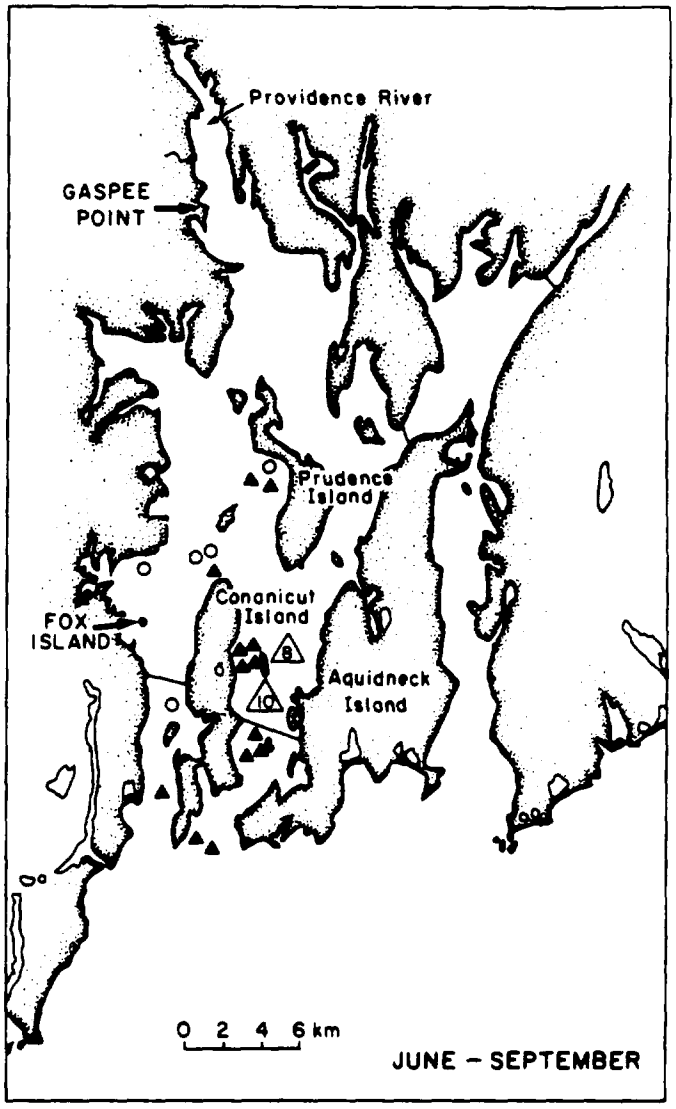
Conanicut Island
FOX ISLAND
Aquidneck Island
0 2 4 6 km
MARCH - MAY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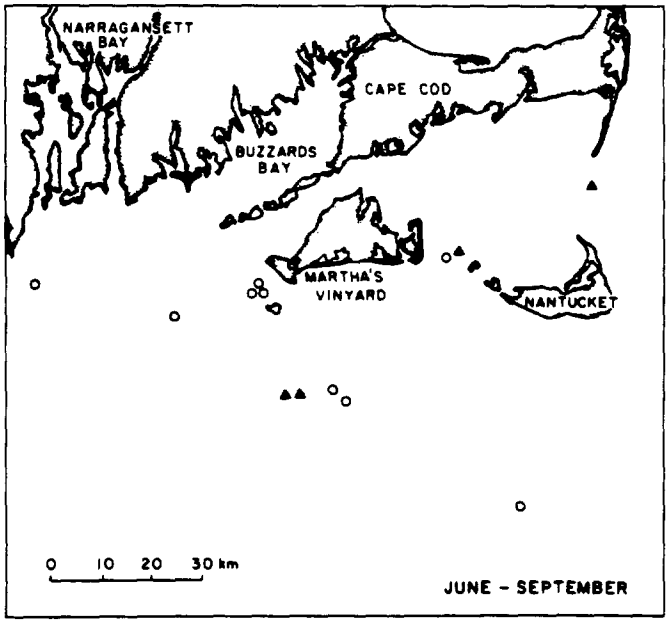
JUNE – SEPTEMBER


NARRAGANSETT BAY
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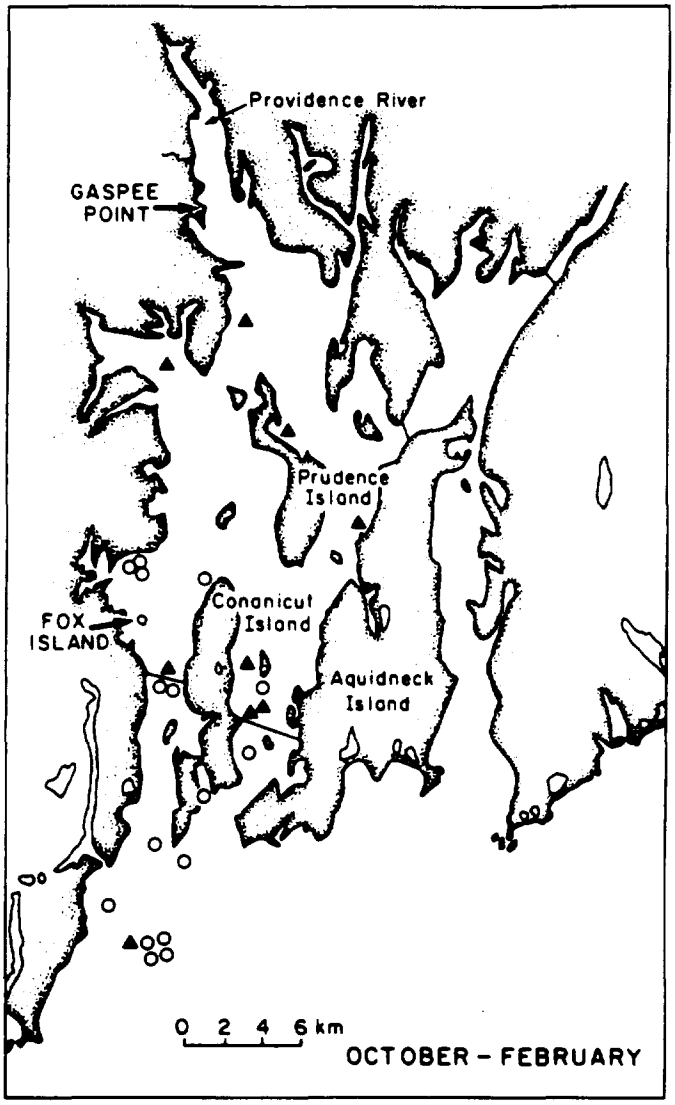
Providence River
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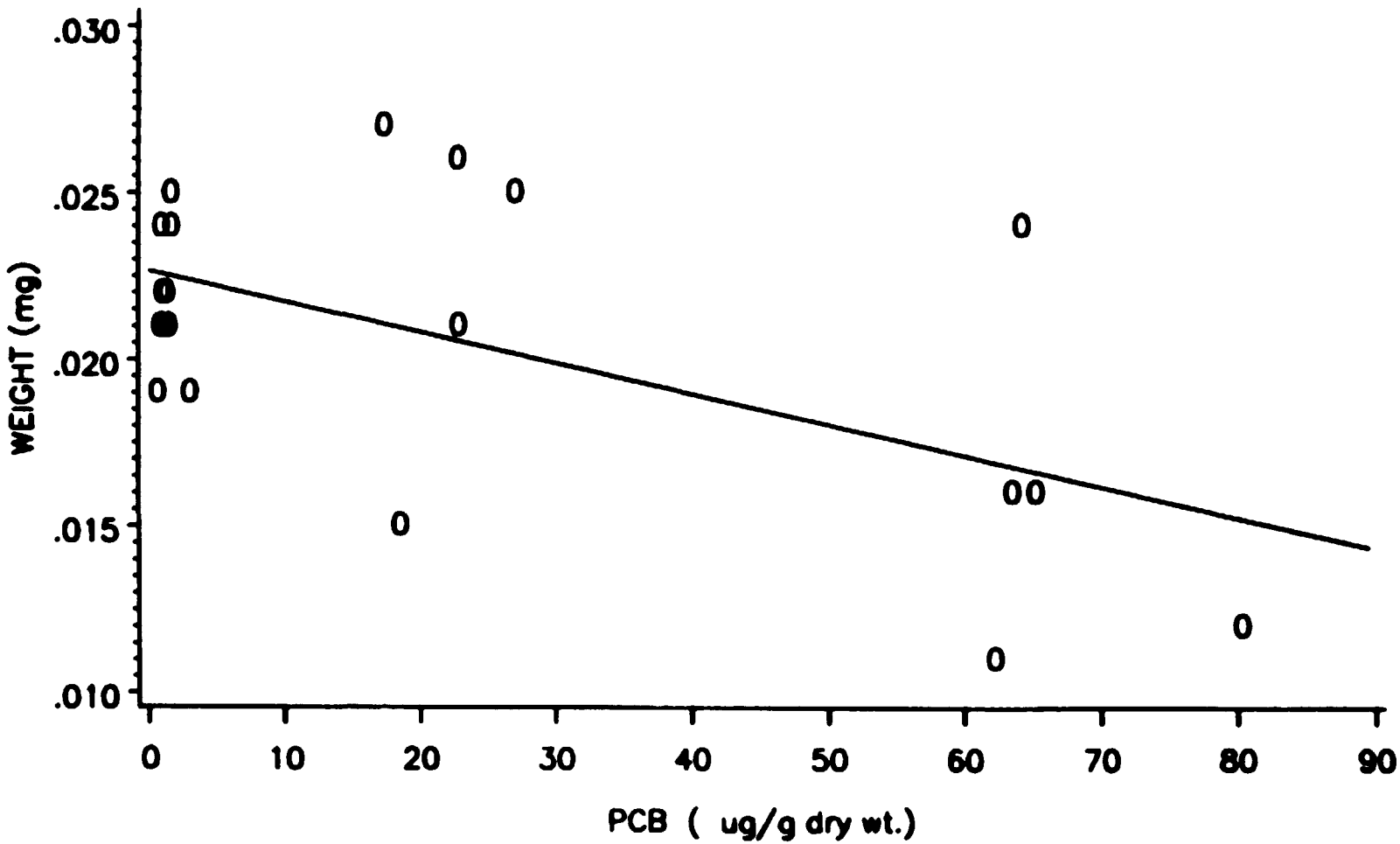
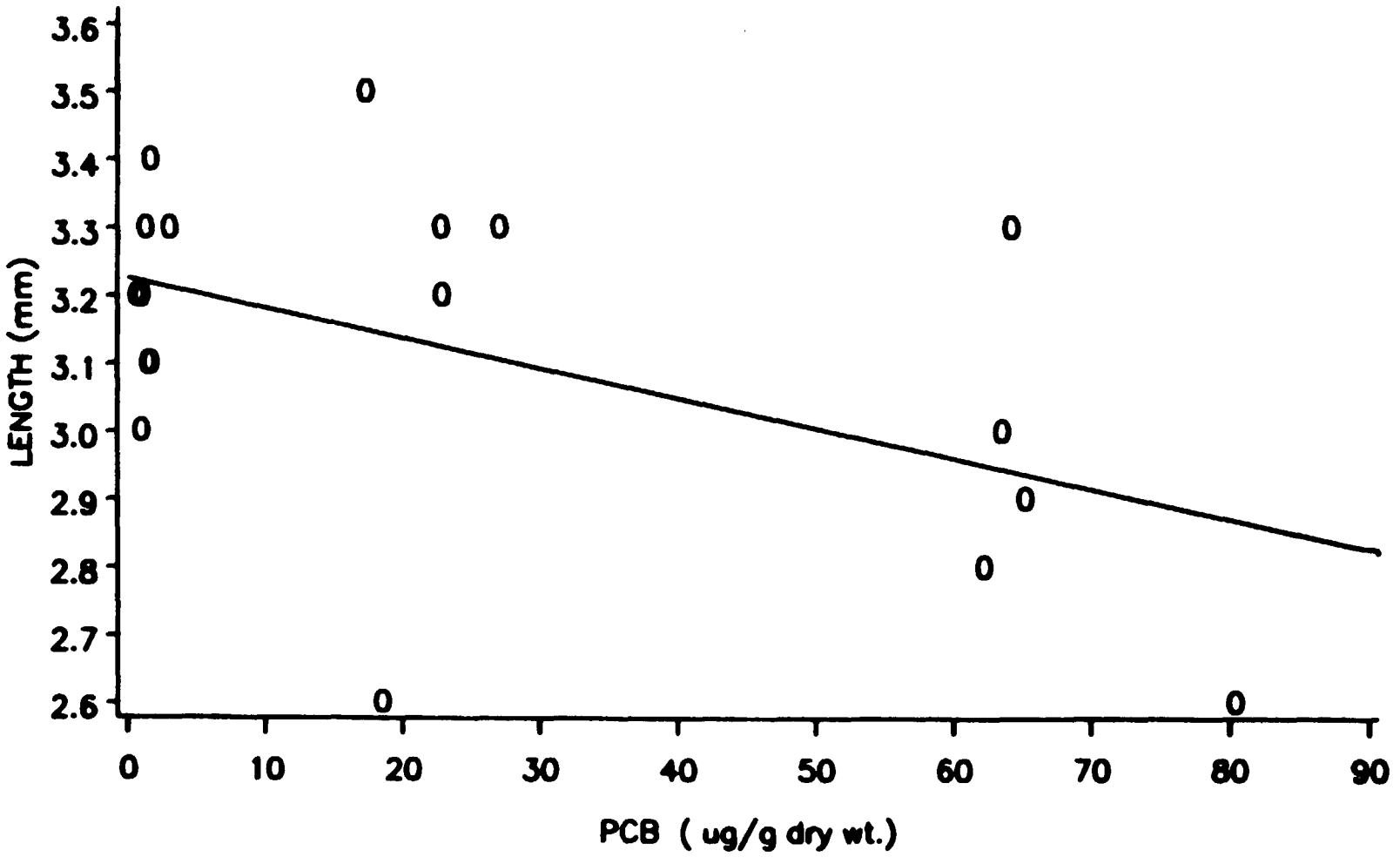
Prudence Island
Conanicut Island
FOX ISLAND
Aquidneck Island
0 2 4 6 km
OCTOBER - FEBRUARY

WEIGHT AT HATCH



LENGTH AT HATCH



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Winter flounder *Pseudopleuronectes americanus* reproductive success. I. Among-location variability in size and survival of larvae reared in the laboratory

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ABSTRACT: Winter flounder *Pseudopleuronectes americanus* collected at selected locations in Long Island Sound (LIS), New York, and Narragansett Bay (NB), Rhode Island, USA, were spawned in the laboratory and the larvae reared for a month after hatching. In 1987 the average size of yolk-sac larvae varied widely among locations. Moreover, a direct correlation was observed between size of yolk-sac larvae and survival for the first month of life. Fish from NB produced the smallest larvae with the lowest survival rate. The Madison site in LIS produced the largest yolk-sac larvae with the highest survival rate. Size and biochemical composition (µg larva^{-1}) of yolk-sac larvae were correlated. Dry weight and RNA content were the best predictors of survival potential among the variables considered (protein, DNA, lipid content, and RNA/DNA ratio). In 1988 little difference was observed in viable hatch or weight of yolk-sac larvae among locations. While no significant difference in larval survival was observed between NB and LIS fish, survival was higher in the Madison group than the Morris Cove group from LIS. These data suggest that when differences in size among newly hatched larvae are sufficiently large, survival potential can be affected.

INTRODUCTION

Temperate marine fishes typically produce large numbers (thousands to millions) of small eggs (micrograms to milligrams dry weight). Survival through the embryonic and larval periods is low, frequently on the order of a few percent or less. Small changes in mortality rates during the early life stages can result in large and unpredictable changes in fish population abundance (Cushing 1975, Hunter 1981, Houde 1987).

Two potential contributors to differences in survival potential of individual eggs and larvae are size and biochemical composition. The embryos of most oviparous fishes are dependent upon material deposited in the developing oocyte to supply substrates for energy production and growth during the period from ovulation to initiation of feeding. Since a spawning fish has a finite amount of energy and metabolites to devote to reproduction, a balance must be achieved between size (mass) of an individual egg and the total number of eggs produced (Tanasichuk & Ware 1987). While it is generally believed that larger larvae have a survival advantage over smaller larvae, direct experimental evidence supporting this assumption is limited (von Westernhagen 1988).

The winter flounder *Pseudopleuronectes americanus* is an important resource species found off the northeast coast of North America. The population consists of numerous local stocks that spawn demersal, adhesive eggs in the different estuaries, bays and offshore banks along the coast (Perlmutter 1947, Saila 1961). Spawning extends from late winter through early spring. After spawning, adults may move offshore to deeper, cooler water but return to the spawning estuary in the fall with a high degree of consistency.

This study was undertaken to examine the variability in size, composition, and survival potential of winter flounder *Pseudopleuronectes americanus* larvae from different spawning sites, and the relations among these variables. Collection locations were selected to include

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a wide range of urbanization and anthropogenic contamination (Nelson et al. 1991). We determined the size (standard length and dry weight) and chemical composition of winter flounder larvae just prior to feeding initiation and related these data to their survival for the first month of life under standard rearing conditions. In a companion study (Buckley et al. 1991) we examined the factors affecting egg size and fecundity of winter flounder spawning at a single location over the spawning season. This work is part of a larger study on the effects of environmental and parental factors on the size, biochemical composition, and survival potential of winter flounder eggs and larvae.

METHODS

Adult winter flounder *Pseudopleuronectes americanus* from Long Island Sound (LIS), New York, USA, were collected with an otter trawl in February 1987 and again in February 1988, and transported live to the NMFS Milford Laboratory, Milford, Connecticut (Nelson et al. 1991). Collection sites were Hempstead, New York; Shoreham, New York; Morris Cove, Connecticut; and Madison, Connecticut (Fig. 1). Fish were held for

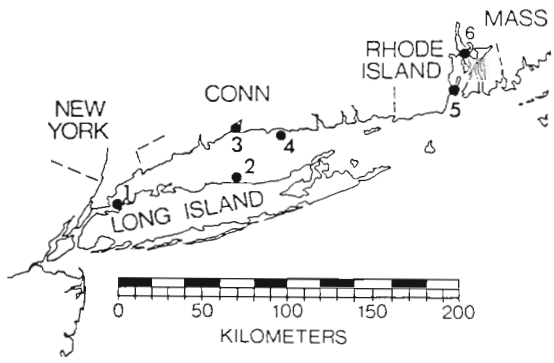

Fig. 1. Collection sites in Long Island Sound and Narragansett Bay, USA. (1) Hempstead, (2) Shoreham, (3) Morris Cove, (4) Madison, (5) lower West Passage Narragansett Bay, (6) upper Narragansett Bay

up to 4 wk in running seawater at ambient temperature (1.0 to 4.7 °C) until ripe. Fish were spawned between 23 February and 20 March 1987 (ambient temperature 1.7 to 4.7 °C) and between 9 February and 12 March 1988 (ambient temperature 1.7 to 4.4 °C). Eggs were stripped, fertilized, and coated with diatomaceous earth according to techniques developed by Smigielski & Arnold (1972). Fertilized eggs were transferred to Nitex* mesh baskets and incubated in flowing seawater at ambient temperature until transported to the NMF's Narragansett Laboratory usually within 2 d of spawning. Upon arrival at the Narragansett Laboratory, embryos were acclimated to either 7 °C (1987) or 5 °C (1988) at the rate of 1 °C per 6 h.

Adult *Pseudopleuronectes americanus*, caught in the lower West Passage of Narragansett Bay (NB), Rhode Island, on 9 March 1987, spawned between 10 and 20 March 1987. Fish caught at this site on 11 March 1988 spawned between 12 and 17 March. In 1988 several collections of adult winter flounder were made in upper NB between January and March (Buckley et al. 1991). Only upper NB fish spawning between 13 February and 18 March were used for comparison with other locations, since these dates encompassed the spawning dates for the other areas. Fish were transported to the Narragansett Laboratory and held in flowing seawater at ambient temperature (< 8.0 °C). Most fish spawned within 4 wk of capture. Eggs were stripped and handled as described for LIS fish except that embryos were incubated in a constant-temperature room at 7 °C in 1987 and 5 °C in 1988. During the 1988 spawning season fertilization and hatch rates were determined as described in Buckley et al. (1991).

Within 3 d after hatching, duplicate groups of 100 larvae each were transferred to 36 l glass tanks covered on 4 sides with black plastic and set in a constant-temperature room maintained at 7 °C. Tanks contained filtered seawater to which 1 l of a dense culture of the unicellular alga *Tetraselmis* sp. had been added. Tanks were gently aerated and salinities maintained between 28 and 30.5 ‰. When the larvae were first judged capable of feeding, generally on Day 3, any dead larvae were replaced.

In 1987 larvae were fed cultured rotifers (*Brachionus plicatilis*) and wild plankton at concentrations of 500 rotifers and 500 wild plankters l^{-1}. Rotifers were mass cultured on the alga *Tetraselmis* sp. Zooplankters were collected in the Narragansett Bay area using 55 and 110 µm mesh plankton nets. Only the portion passing through a 210 µm mesh was used. This fraction consisted of copepod nauplii, copepodites, and adults in addition to rotifers. Plankton densities were adjusted 6 d wk^{-1} back up to 500 rotifers and 500 wild plankters l^{-1}. Counts of prey items were made on duplicate 50 ml samples concentrated with a 55 µm Nitex screen prior to counting.

In 1988 larvae were fed cultured rotifers (*Brachionus plicatilis*) at the rate of 2000 rotifers l^{-1} d^{-1} After establishing the density of a rotifer culture, a volume corresponding to 72 000 rotifers was concentrated on a sieve and added to each tank 6 d wk^{-1} No wild plankton was added and prey counts were not made on the tanks holding the larvae in 1988.

The feeding regime was changed from the earlier protocol in an attempt to raise overall survival rates and

* Reference to trade names does not imply endorsement by the United States Government

Table 1 *Pseudopleuronectes americanus*. Dry weight and biochemical composition of yolk-sac winter flounder larvae produced by adults collected in Narragansett Bay and Long Island Sound, USA, during the 1987 spawning season. Values are means ± 1 SD. In each row, values with a letter in common are not significantly different (ANOVA, Tukey test, $p \leq 0.05$, SAS Institute Inc. 1985). See Fig. 1 for site locations

	Site				
	Madison	Hempstead	Shoreham	Morris Cove	Narragansett Bay
n	6	9	5	7	6
Weight (µg)	31.9 ± 2.7 a	29.4 ± 3.2 a, b	24.8 ± 4.5 b, c	26.7 ± 4.1 a, b	20.2 ± 3.5 c
RNA (µg larva^{-1})	1.46 ± 0.15 a	1.37 ± 0.19 a, b	1.27 ± 0.15 a, b	1.35 ± 0.19 a, b	1.11 ± 0.13 b
DNA (µg larva^{-1})	0.44 ± 0.04 a	0.42 ± 0.04 a, b	0.40 ± 0.04 a, b	0.42 ± 0.05 a, b	0.36 ± 0.02 b
Protein (µg larva^{-1})	17.9 ± 2.4 a	18.4 ± 2.6 a	14.2 ± 2.9 a	16.6 ± 3.0 a	14.0 ± 2.0 a
Lipid (µg larva^{-1})	4.29 ± 0.63 a	4.56 ± 0.51 a	3.95 ± 0.53 a, b	4.60 ± 0.77 a, b	3.95 ± 0.53 b
RNA/DNA	3.35 ± 0.17 a	3.26 ± 0.19 a	3.20 ± 0.11 a	3.20 ± 0.23 a	3.05 ± 0.28 a

to facilitate work with larvae from the large number of fish spawned during the 1988 season. In 1987 the wild plankton was observed feeding on the rotifers and there was some concern that survival of the youngest larvae may have been limited by the availability of sufficiently small prey items. Larval survival rates, however, were very similar between years. Because of the changes in the feeding regime and differences in the spawning schedule, no direct comparisons of growth and survival rates were made between years.

After 28 d the tanks were drained and the survivors counted, measured, and weighed. Any physical abnormalities were noted at this time.

Initial samples for determination of standard length, dry weight and chemical analysis were taken 3 d after hatching from stock tanks from which the experimental larvae were removed. Standard lengths were measured on live unpreserved specimens with a filar micrometer in a dissecting microscope. Larvae were rinsed in distilled water, pipetted onto a plastic petri dish, freeze dried and weighed to the nearest 0.1 µg on a Cahn automatic electrobalance. During the 1987 spawning season, 3 groups of 50 yolk-sac larvae each were homogenized in 2.0 ml of ice-cold distilled water using an STD Tissumizer mechanical high-frequency homogenizer. Subsamples of 1.4, 0.075 and 0.4 ml of homogenate were used for analysis of nucleic acids, protein and lipid content, respectively. Nucleic acids and protein were determined as described in Buckley (1979). Total lipid content was determined using the sulphophosphovanillin method (Barnes & Blackstone 1973). Chemical analysis was not performed on larvae from the 1988 spawning season.

Data analysis was done using SAS System software for personal computers (SAS Institute Inc. 1985). Square root transformation was applied to percent survival values [$(\text{survival}+0.5)^{1/2}$] and arcsine transformation applied to fertilization and viable hatch rates [$\text{arcsine}(\%/100)^{1/2}$] prior to analysis of variance and regression analysis (Steel & Torrie 1960).

RESULTS

1987 spawning season

Eggs were obtained from 7 females from lower NB (Site 5) and 29 females from 4 locations (Sites 1 to 4) in LIS (Fig. 1). Fertilization and hatch rates of eggs stripped from LIS fish were variable, ranging from 78 to 93 % and from 45 to 84 %, respectively (Nelson et al. 1991). Similar data are not available for Narragansett Bay fish in 1987. Significant differences (ANOVA, $p \leq 0.05$) were observed in the size and chemical composition of newly hatched winter flounder larvae produced by fish collected at the different locations (Table 1). Lower NB fish produced the smallest yolk-sac larvae, while fish collected at the Madison site in LIS produced the largest.

Survival of *Pseudopleuronectes americanus* from all locations for the first month was low (mean 3 %, range 0 to 18 %) compared to other species of temperate marine fish reared in the laboratory (Buckley et al. 1987). Of the 5 locations studied, survival was lowest for fish from NB, where only 1 larva in 1400 survived for the 28 d duration of the experiment (Table 2). Among

Table 2. *Pseudopleuronectes americanus*. Survival of winter flounder for the first month of life during the 1987 spawning season. Values indicate number of females spawned (n), mean larval survival, and mean rank (Wilcoxon score, SAS Institute Inc. 1985) for a given site. Mean ranks with a letter in common are not significantly different ($p \leq 0.05$, Kruskal-Wallis test, SAS Institute Inc. 1985). See Fig. 1 for site locations

Site	n	Survival (%)	Mean rank
Madison	6	6.00	25.4 a, b
Hempstead	9	4.83	26.9 a
Morris Cove	9	2.28	14.5 b, c
Shoreham	5	1.50	15.2 a, b, c
Narragansett	7	0.07	9.2 c

LIS fish, those from Madison produced the highest percentage of surviving larvae (6.0 %), while fish from Shoreham produced the lowest (1.5 %). Analysis of variance of rank scores indicated significant differences ($p \leq 0.05$) in survival between NB fish and certain of the LIS groups and between the Hempstead and Morris Cove sites in Long Island Sound (Table 2). Daily counts and removal of dead larvae, while not strictly quantitative, suggested that most of the mortality occurred during the second and third weeks. This corresponds to the time of completion of yolk absorption and initiation of feeding at 7 °C (Buckley 1982). The percentages of surviving larvae that were bent or otherwise malformed were: Hempstead 27 %, Shoreham 20 %, Madison 8 %, and Morris Cove 2 %. Surviving larvae from Madison (6.85 mm standard length) were the largest after 1 mo of feeding (Table 3), significantly larger than larvae from Shoreham and Morris Cove (ANOVA, $p \leq 0.05$). No evidence of compensatory growth was observd, as the rank order of larval size among spawning locations remained relatively unchanged between hatching and 1 mo of life.

Table 3. *Pseudopleuronectes americanus*. Mean length of survivors from the 1987 spawning season. Values indicate number of larvae measured (n) and mean standard length ± 1 SD. Mean lengths with a letter in common are not significantly different (ANOVA, Tukey test, $p \leq 0.05$, SAS Institute Inc. 1985). Bent or deformed larvae were not included in the analysis. See Fig. 1 for site locations

Site	n	Standard length (mm)
Madison	66	6.85 ± 0.94 a
Hempstead	63	6.14 ± 0.90 a, b
Shoreham	12	6.06 ± 0.75 b
Morris Cove	40	5.98 ± 1.48 b

A plot of the mean survival of larvae from a given site against the mean weight of yolk-sac larvae from the same site showed a strong positive relation between these 2 variables (Fig. 2). When data from all locations were combined, significant correlations were observed among percentage survival (S%), dry weight, and chemical content of larvae shortly after hatching (Table 4). Dry weight of yolk-sac larvae was more highly correlated with survival than was any single class of biomolecules. The relation between S% and dry weight (µg) of yolk-sac larvae from individual females was described by the equation:

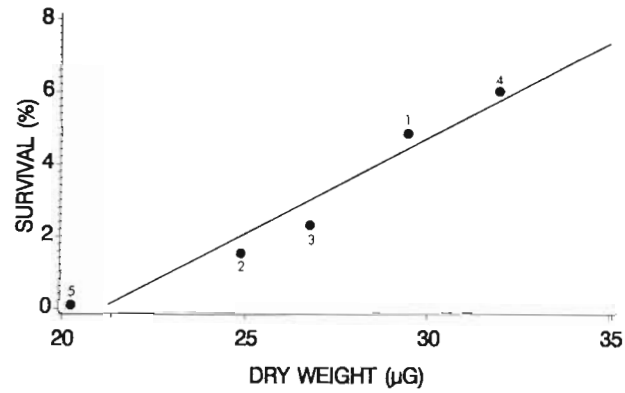

Fig. 2. *Pseudopleuronectes americanus*. Relation between mean dry weight of yolk-sac larvae and survival for the 1987 spawning season. Points are means for collection sites. (1) Hempstead, (2) Shoreham, (3) Morris Cove, (4) Madison, (5) lower West Passage Narragansett Bay

$$(S\% + 0.5)^{1/2} = (0.116 \times \text{weight}) - 1.566,\ n = 31,\ r = 0.62$$

Addition of the content of any single class of biomolecules to the regression model as a second independent variable removed very little of the unexplained variation in survival.

1988 spawning season

Embryos from a total of 23 fish caught at 2 locations in LIS (Madison and Morris Cove) were transported

Table 4. *Pseudopleuronectes americanus*. Correlations among survival for first 4 wk of life, dry weight, and biochemical content (µg larva^{-1}) of winter flounder within 3 d of hatching. Values are correlation coefficients (r) for the 1987 spawning season. n = 30. See Fig. 1 for site locations

	Survival	Weight	RNA	DNA	Protein	Lipid
Survival						
Weight	0.56***					
RNA	0.43*	0.74***				
DNA	0.37*	0.73***	0.91***			
Protein	0.40*	0.72***	0.86***	0.77***		
Lipid	0.34	0.74***	0.83***	0.75***	0.85***	
RNA/DNA	0.32	0.46**	0.70***	0.35	0.64***	0.60***

* $p \leq 0.05$, ** $p \leq 0.01$, *** $p \leq 0.001$

Table 5. *Pseudopleuronectes americanus*. Size of yolk-sac larvae and viability of winter flounder spawned by fish from Narragansett Bay (NB) and Long Island Sound (LIS), USA, in 1988. Values are means ± 1 SD. In each column, values with a letter in common are not statistically different (ANOVA, $p \leq 0.05$)

Location	No. of females	Female length (mm)	Spawning date (Julian day)	Initial larval weight (g)	Fertility (%)	Viable hatch (%)	Survival[1] (%)
Upper NB[2]	16	319 ± 40	51 ± 3	29.7 ± 3.4 a	92.5 ± 10.6 a, b	71.7 ± 21.1 a	2.6 ± 2.8 a, b
Lower NB	9	336 ± 41	74 ± 1	25.6 ± 4.4 a	93.1 ± 11.8 a	84.0 ± 7.0 a	2.9 ± 2.2 a, b
Madison, LIS	9	288 ± 48	68 ± 3	27.0 ± 4.8 a	83.2 ± 8.2 b, c	75.8 ± 11.9 a	4.8 ± 4.3 a
Morris Cove, LIS	14	315 ± 42	51 ± 3	29.5 ± 4.5 a	79.4 ± 13.0 c	68.8 ± 17.2 a	1.4 ± 2.2 b

[1] Analysis of variance of rank scores
[2] Only females spawning between Julian Day 44 and 78 were used in this analysis

from the Milford Laboratory to the Narragansett Laboratory within several days of spawning. Embryos were obtained from 9 females from lower NB. To minimize any effect of spawning time on the results, a subset (n = 16) of the fish spawned from upper NB was used for purposes of comparison with fish from lower NB and LIS. Only fish spawned between Julian Day 44 and 78 were selected, corresponding to the range of spawning dates for the other locations.

No significant difference ($p \geq 0.05$) among sites was observed in viable hatch rates or the weight of yolk-sac larvae (Table 5). Fertilization rate was highest in fish from NB. While no significant difference ($p \geq 0.05$) in larval survival was observed between NB and LIS fish, survival was significantly higher in the Madison group than the Morris Cove group from LIS (Table 5). No significant correlation was observed between size (standard length or dry weight) of yolk-sac larvae and survival for the first month of life.

DISCUSSION

The daily mortality rate for winter flounder *Pseudopleuronectes americanus* larvae in our study averaged 13 % d^{-1} for the first month after hatching. Black et al. (1988) reported a value of 4 % d^{-1} for winter flounder larvae reared for a period of 2 mo under similar conditions. Laurence (1977) found that prey density had a strong influence on survival of winter flounder to metamorphosis in the laboratory. He reported daily mortality rates of 9 and 7 % d^{-1} at prey densities of 500 and 1000 plankters ml^{-1}, feeding levels similar to those maintained in our study. The higher mortality rate observed in the present study may have been due in part to the shorter rearing period that was chosen to encompass the period of high mortality shortly after yolk absorption. Estimates of natural mortality of winter flounder larvae in a small Connecticut estuary were high for the first month of life (20 % d^{-1}), decreasing to 9 % d^{-1} during the second month (Pearcy 1962). These estimates of natural mortality included mortality due to starvation and predation, but were corrected for transport of larvae out of the estuary.

For the 1987 spawning season our data show clear differences in size and survival of winter flounder larvae produced by adults collected in different locations in LIS and NB and a correlation between size of yolk-sac larvae and survival for the first month of life. The range in size of yolk-sac larvae produced during the 1988 spawning season was smaller, and no significant correlation was observed between larval size and survival for the first month of life. While lower NB produced the smallest larvae in both years, the differences in size among groups were not significant in 1988. Some lower NB fish produced extremely small winter flounder larvae in 1987 compared to other years and locations. Black et al. (1988) found differences in size of newly hatched winter flounder between locations in Narragansett Bay and Buzzard Bay, but no significant difference between locations in survival for the first 2 mo of larval life. The differences in size of yolk-sac larvae from different locations observed in our study in 1987 were considerably greater than those reported by Black et al. (1988) and may explain the difference in results.

Correlations between egg size and larval size have been observed in several fishes, including trout (Gray 1928), herring (Blaxter & Hempel 1963) and winter flounder *Pseudopleuronectes americanus* (Buckley et al. 1991). Generally, larger eggs produce larger larvae (Miller et al. 1988). Blaxter (1969) stated that 'larger larvae may be expected to be stronger, better swimmers, less susceptible to damage, and less liable to predation'. It is also expected that larger larvae are better able to capture and assimilate food. Blaxter & Hempel (1966) found that larger Atlantic herring larvae survived longer without food than those hatched from smaller eggs. Seasonal and regional differences in egg size have been reported for many species (Blaxter &

Hempel 1963, Cushing 1967, Bagenal 1971, Southward & Demir 1974, Ware 1975, Tanasichuk & Ware 1987). While positive correlations have been reported between larval size and numerous attributes potentially contributing to increased survival, including days to irreversible starvation, swimming speed, and mouth gape (Knutsen & Tilseth 1985, Miller et al. 1988), the relation between larval size at first feeding and survival is not well documented, particularly within species. Our data from the 1987 spawning season are among the few published reports showing a direct correlation between larval size and survival for the first month of life. Rosenberg & Haugen (1982) found evidence of size-selective mortality of larval turbot *Scophthalmus maximus* during the first month of life in predator-free enclosures. Their estimates of the mean size of survivors were higher than those for the overall population during the first week of life.

Several factors have been proposed as possible causes of intraspecific differences in egg or larval size. Many of these same factors can also contribute to differential larval mortality. Biological factors that affect larval size and mortality include genetic variability between and within stocks, and size, age or nutritional condition of the spawning female (Brown 1957, Hoar 1957). Environmental factors known to affect larval size and mortality are water temperature during gametogenesis and embryonic development (Blaxter & Hempel 1963, Bagenal 1971, Southward & Demir 1974, Ware 1975, Tanasichuk & Ware 1987, Buckley et al. 1990), dissolved oxygen levels, and exposure to environmental contaminants, including PCBs, pesticides, and heavy metals (Rosenthal & Alderdice 1976, Black et al. 1988).

The difference in mean dry weight of yolk-sac larvae, observed in 1987, between the largest and smallest groups (Madison in LIS and lower NB) was large, exceeding 50%. Since *Pseudopleuronectes americanus* populations consist of discrete spawning stocks (Perlmutter 1947, Saila 1961), genetic factors may have contributed to the observed variability in size and survival between locations. The much smaller differences between locations observed in 1988, however, suggest that genetic factors may not be dominant. Winter flounder fed reduced rations in the laboratory showed a reduction in fecundity but not egg size compared to well-fed fish (Tyler & Dunn 1976), suggesting that maternal nutrition is not a dominant factor in determining egg and larval size in winter flounder. Female age has been shown to affect egg size in winter flounder (Topp 1968), age 3 females producing smaller eggs than age 4 or 5 females. Our work with winter flounder spawning in Narragansett Bay (Buckley et al. 1991) suggested that female size can play a significant role in determining egg and larval size. In the present study no large difference in female size was apparent between locations. In 1987 lower Narragansett Bay fish were the last group collected and spawned, and they produced the smallest larvae. Among spring spawning fish there is a tendency for egg size to decrease with increasing water temperature. The observed 50% difference in size of yolk-sac larvae between locations is considerably greater than the differences observed among winter flounder larvae produced in the laboratory over a wide range of water temperatures by adults collected at a single location (Buckley et al. 1990). This suggests that while water temperature may have been a contributing factor, it was not the dominant factor affecting larval size in the present study. Our data on winter flounder spawning in Narragansett Bay indicated that spawning time can play a significant role in egg and larval size (Buckley et al. 1991).

Of our 6 collection sites, the Morris Cove, Hempstead, and upper Narragansett Bay sites are impacted by a variety of contaminants, including trace metals and organics (Greig et al. 1977, Pruell & Quinn 1985). The Madison, Shoreham and lower Narragansett Bay sites are considerably less impacted by contaminants (Greig et al. 1977, Pruell & Quinn 1985, Black et al. 1988, Nelson et al. 1991). The observed trends in size and survival of winter flounder with location were not entirely consistent with those expected on the basis of contaminant loadings. However, among sites in Long Island Sound, Madison stood out in 1987 as producing the largest larvae at yolk-sac stage and after 1 mo of feeding, and as having the highest survival rate and a low percentage of abnormal survivors. In both 1987 and 1988 survival was higher in larvae from Madison than from Morris Cove. This is consistent with observations of embryonic development suggesting that reproduction of winter flounder at the Morris Cove site has been compromised by high contaminant levels (Nelson et al. in press). Black et al. (1988) reported an 18% difference in weight of yolk-sac winter flounder larvae produced by adults taken from lower Narragansett Bay and New Bedford Harbor, Massachusetts. Larvae from New Bedford Harbor fish were smaller and their eggs contained significantly higher levels of PCBs. A significant inverse relation was observed between larval size and PCB content.

No single class of biomolecules appared elevated in groups of larvae with high dry weight or high survival. Contents of all classes of biomolecules measured were highly correlated with each other and with larval dry weight (Table 4). In 1987 dry weight of yolk-sac larvae was more highly correlated with survival than was any single class of biomolecules. The RNA/DNA ratio has been used as an index of growth and condition in fish (Buckley 1984, Bulow 1987). No significant correlation was observed between the RNA/DNA ratio of yolk-sac

winter flounder larvae and survival for the first month of life (Table 4). This was apparently due to the high correlation between RNA and DNA content, and the unique situation of larvae prior to feeding initiation, when they rely on endogenous energy reserves of maternal origin. The RNA content or simply the dry weight of yolk-sac larvae appear to be useful indicators of the survival potential of winter flounder through the critical first month of life.

In 1987 survival of *Pseudopleuronectes americanus* for the first month of the larval period was highly correlated with both size and chemical composition of larvae shortly after hatching. The correlation between size and survival of winter flounder larvae may have been, in part, due to a wider size spectrum of prey items available to larger larvae in our experimental systems. Larger larvae, because of their wider mouth gape, effectively experience a higher level of available food. This factor may be important for both laboratory-reared and wild larvae. It is possible that the lower viability of small larvae may be offset by increased fecundity (Buckley et al. 1991).

While both biological and environmental factors may have contributed to the observed differences in size and survival among larvae produced by Long Island Sound and Narragansett Bay winter flounder, we could not identify a single dominant factor. Our data on winter flounder spawning in Long Island Sound and Narragansett Bay (Buckley et al. 1991) suggest that female size and spawning time can have important effects on egg and larval size, fecundity, and spawning survival potential.

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APPENDIX 9

Proposed Site Protection Instrument

Template

This Site Protection Instrument ("SPI"), dated this _____ day of _____, 20__, is made by and among [Mitigation Sponsor's full legal name(s)] ("Mitigation Sponsor"), [Property Owner's full legal name(s)] ("Property Owner"), and Region I of the U.S. Environmental Protection Agency ("USEPA") and the State Enhanced Remedy Committee. These agencies comprise and are referred to jointly as the Interagency Review Team ("IRT"). The Mitigation Sponsor, Property Owner, and the IRT are hereinafter referred to jointly as the "Parties". This SPI sets forth the agreement of the Parties regarding the establishment, use, operation and maintenance of the [Site name] Mitigation Site (the "Site").

RECITALS

The Mitigation Sponsor is responsible for establishing and operating the Site.

The Property Owner is the owner of real property containing approximately _____ acres (the "Property"), located at _____[***insert address and county***], Commonwealth of Massachusetts, designated Assessor's Parcel No(s). _____. The Property is generally shown on the Site Location Maps (**Exhibit A)** and legally described in the Real Estate Records and Assurances (**Exhibit B**) attached hereto.

_____as Mitigation Sponsor and _____ desire(s) to create the Site over a __-acre portion of the Property (the "Mitigation Property"). The Property is generally shown on the Site Location Maps (**Exhibit A**) and legally described in the Conservation Restriction the definitions, Section 4.4. The Property is to be conserved in perpetuity by the Conservation Restriction, which shall be recorded as provided in Section 4.7.

USEPA has jurisdiction over Waters of the U.S. pursuant to the Clean Water Act, 33 U.S.C § 1251 *et seq*. Waters of the U.S. include jurisdictional wetlands.

The IRT is the interagency group which oversees the establishment, use, operation, and maintenance of the Site.

The goals and objectives as well as the operations, management and monitoring requirements for the Site are set forth in the Mitigation Plan.

Initially-capitalized terms used and not defined elsewhere in this SPI are defined in Section 4.4.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing Recitals and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties hereby

agree as follows:

Purpose and Authorities

Purpose

The purpose of this SPI is to set forth the agreement of the Parties regarding the establishment, use, operation, and maintenance of the Site to compensate for unavoidable impacts to, and conserve and protect, Waters of the U.S., and Covered Habitat. The Mitigation Sponsor [and Property Owner] shall preserve, restore, create, and/or enhance and then manage and maintain Waters of the U.S. and Covered Habitat in accordance with this SPI, the Mitigation Plan, Adaptive Management Plan and Long-term Management Plan.

Authorities

The establishment and use of the Site for off-site compensatory mitigation or conservation is governed by one or more of the following statutes, regulations, policies, and guidelines:

Federal

Clean Water Act (33 U.S.C. § 1251 *et seq*.);

Rivers and Harbors Act (33 U.S.C. § 403);

National Environmental Policy Act (42 U.S.C. § 4321 *et seq*.);

Endangered Species Act (16 U.S.C. § 1531 *et seq*.) ("ESA"), particularly including impacts to federally listed threatened or endangered species under § 7 and 10 of ESA and/or occupied habitat;

Fish and Wildlife Coordination Act (16 U.S.C. § 661 *et seq*.);

National Historic Preservation Act (16 U.S.C. § 470);

Executive Order 11990; Protection of Wetlands;

Executive Order 11988; Floodplain Management;

Regulatory Programs of the U.S. Army Corps of Engineers, Final Rule (33 CFR Parts 320-332);

Guidelines for Specification of Disposal Sites for Dredged and Fill Material (40 CFR Part 230);

Memorandum of Agreement between the Environmental Protection Agency and the Department of the Army concerning the Determination of Mitigation Under the Clean Water Act, § 404(b)(1) Guidelines (February 6, 1990); and

Commonwealth

Massachusetts Wetlands Protection Act ("MWPA") M.G.L. c.131 §40);

Massachusetts Endangered Species Act ("MESA") (M.G.L. c.131A and

regulations 321 CMR 10.00);

Massachusetts Division of Fisheries and Wildlife (M.G.L. c.131 and M.G.L. c.131a)

Definitions

The initially-capitalized terms used and not defined elsewhere in this SPI are defined as set forth below.

"Adaptive Management" means an approach to natural resource management which incorporates changes to management practices, including corrective actions as determined to be appropriate by the IRT in discussion with the Mitigation Sponsor and/or the Property Owner, as appropriate, based upon Site annual report results and IRT review of overall Site performance and compliance.

"Adaptive Management Plan" means the document containing any corrective measures which the Mitigation Sponsor or Property Owner is required to take to ameliorate any injury or adverse impact to the Property as preserved, restored or enhanced or as a result of a failure to achieve the Performance Standards.

"Site Establishment Date" is the date determined pursuant to Section 4.7, when the Site is considered established.

"Catastrophic Event" shall mean an unforeseen event, such as the impact of a vehicle or falling aircraft, which has a material and detrimental impact on the Property, and over which neither the Mitigation Sponsor nor the Property Owner has control.

"Conservation Restriction" means to limit the use of land in order to protect specified conservation values including the natural, scenic, or open condition of the land (M.G.L. c.184 §31-33).

"Construction Security" means the financial assurance specified in Section 11.A. to be provided by the Mitigation Sponsor to guarantee the completion of construction and planting to create, restore or enhance Waters of the U.S. and Covered Habitat on the Property in accordance with the Mitigation Plan.

"Covered Habitat" means habitat of concern that the IRT determines will be adequately conserved as a result of implementation of this SPI.

Mitigation Plan "Endowment Deposit" is the deposit or series of deposits made or required to be made by the Mitigation Sponsor to fully fund the initial Endowment Principal. Endowment Deposits shall be paid into the Special Deposit Fund or subsequent Commonwealth-authorized trust fund established pursuant to Commonwealth law.

"Endowment Fund" is a sum of money, held in the Special Deposit Fund ~~in the Commonwealth treasury pursuant to Fish and Game Code § 13014~~, or subsequent Commonwealth-authorized trust fund established pursuant to Commonwealth law. The purpose of the Endowment Fund is to provide income to fund perpetual management,

maintenance, monitoring, and other activities on the Property consistent with the Long-term Management Plan. The term "Endowment Fund" as used in this SPI shall refer to the Endowment Deposit and all interest, dividends, other earnings, additions and appreciation thereon.

"Endowment Principal" means that portion of the Endowment Fund that is non-wasting and that is to be maintained and managed in perpetuity to generate earnings and appreciation in value for use in funding perpetual management, maintenance, monitoring, and other activities as required by the Long-term Management Plan. Endowment Principal shall consist of the Endowment Deposit and any additions to the principal that are made from earnings, appreciation in value or subsequent deposits for the purpose of compensating for inflation and ensuring the real value of the principal does not decline over time.

"Force Majeure" shall mean war, insurrection, riot or other civil disorder, flood, earthquake, fire, disease, governmental restriction or the failure by any governmental agency to issue any requisite permit or authority, or any injunction or other enforceable order of any court of competent jurisdiction, which has a material and detrimental impact on the Site or the Property and over which neither the Mitigation Sponsor nor the Property Owner has control; *provided, however,* that (i) a riot or other civil disorder shall constitute an event of Force Majeure only if the event has broad regional impacts and is not endemic to the Property and its immediate locale; (ii) a flood shall be considered an event of Force Majeure only if it is greater than a presently projected 100-year flood, where "flood" refers to a runoff event; (iii) an earthquake shall constitute an event of Force Majeure only if the ground motion it generates at the Property is greater than that presently projected from an earthquake with a return period of 475 years; (iv) disease shall constitute an event of Force Majeure only if such event has broad regional impact and is not endemic to the Property and its immediate locale; and (v) governmental restriction or the failure by any governmental agency to issue any requisite permit or authority, or any injunction or other enforceable order of any court of competent jurisdiction shall not constitute an event of Force Majeure unless there is no other feasible means of Adaptive Management.

"Interim Management Period" means the period from the Site Establishment Date until the first anniversary of the full funding of the Endowment Fund has occurred and all the Performance Standards in the Mitigation Plan have been met.

"Management Security" is the financial assurance specified in Section 11.C to be provided by the Mitigation Sponsor to guarantee the implementation of the Interim Management Plan.

"Long-term Management Period" means the period beginning upon conclusion of the Interim Management Period and continuing in perpetuity, during which the Property is to be managed, monitored and maintained pursuant to the Long-term Management Plan.

"Long-term Management Plan" means the document that is intended to ensure the Property is managed, monitored and maintained in perpetuity to conserve and protect its Waters of the U.S. and Covered Habitat.

"Mitigation Plan" means the document that is the overall plan governing construction and habitat establishment activities required to be conducted on the Property to establish compensatory mitigation, including, without limitation, creation, restoration and enhancement of Waters of the U.S. and Covered Habitat on the Property, Performance Standards, monitoring requirements and reporting requirements.

"Performance Security" means the financial assurance specified in Section 11.B to be provided by the Mitigation Sponsor to guarantee that the Performance Standards are met and all Adaptive Management required under section 4.9.F is completed.

"Performance Standards" means the minimum standards set forth in the Mitigation Plan to define the successful development of Waters of the U.S. and Covered Habitat.

"Phase I Environmental Site Assessment" is an assessment of the environmental condition of the Property performed in accordance with the American Society of Testing and Materials (ASTM) Standard E1527-05 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," or any successor to such ASTM Standard which is active at the time of the assessment.

"Preservation" means the protection of existing ecologically important wildlife, habitat or other ecosystem resources in perpetuity.

"Property Assessment and Warranty" means the written Property evaluation and assurance signed by the Property Owner.

"Project Owner" means the owner(s) of fee simple title to the Property.

"Service Area" means the geographic area(s) within which impacts to Waters of the U.S. or Covered Habitat that occur may be mitigated or compensated through compensatory mitigation from the Site.

"Special Deposit Fund" means a Special Deposit Fund or account to be created and maintained in a Commonwealth of Massachusetts incorporated bank or financial institution. This account will be created by the Mitigation Sponsor, and maintained by the Mitigation Sponsor for the life of the facility

"Subordination Agreement" means a written, recorded agreement in which the holder of an interest in, or lien or encumbrance on the Property makes the lien or encumbrance subject to and of lower priority than the Conservation Restriction, even though the lien or encumbrance was recorded before the Conservation Restriction.

"Transfer" means the use, or conveyance of compensatory mitigation by the Mitigation Sponsor.

"Unlawful Act" shall mean the unlawful act of any person or entity other than the Mitigation Sponsor or Property Owner and shall include an event or series of events, such as the intentional release within the Property, or any connected watercourse, of any Hazardous Substance, or the discharge of such a substance in violation of a statute, ordinance,

regulation or permit, which event or series of events has a material and detrimental impact on the Property.

"Waters of the U.S." means all waters and wetlands over which the USACE and the USEPA is granted jurisdiction in the Clean Water Act, 33 U.S.C. § 1251, *et seq*. (2006), and the River and Harbor Act, 33 U.S.C. § 401, *et seq*. (2006). This definition encompasses both the term "waters of the United States" as defined in 33 CFR. Part 328 (2006) and "navigable waters" as defined in 33 CFR. Part 329 (2006).

Stipulations

A. Baseline Condition

The current condition of the Property is described in the Mitigation Plan.

Disclaimer

This SPI does not in any manner limit the legal authorities or responsibilities of the IRT, or of any IRT agency, but is, instead, an implementation of such authorities and responsibilities.

Exhibits

The following Exhibits are attached to and incorporated by this reference into this SPI:

1. "Exhibit A" - Site Location Maps

   A-1 General Vicinity Map

   A-2 Map showing Site Property

   A-3 Map(s) of the Site's Project Area(s)

2. Exhibit B" - Real Estate Records and Assurances

   B-1 Preliminary, Legal Description, and Parcel Map(s)

   B-2 Property Assessment and Warranty

   B-3 Plat Map(s)

3. "Exhibit C" - Other Environmental Documentation, Permits, Amendments or Revisions

Site Evaluation and Development

A. Site Assessment by the IRT

Representatives of the IRT have inspected and evaluated the Site's Waters of the U.S. and Covered Habitat and have agreed upon the assignment of compensatory mitigation set forth in **Exhibit C.**

Mitigation Sponsor's Responsibilities for Compensatory Mitigation Development

The Mitigation Sponsor agrees to perform all necessary work, in accordance with the

provisions of this SPI, to establish, monitor, and maintain the Waters of the U.S. and Covered Habitats, as described in the Mitigation Plan, on the Property until the Mitigation Sponsor has demonstrated to the satisfaction of the IRT that the Site complies in all respects with all requirements contained in this SPI pertaining to Site development.

Soil Evaluation

Mitigation Sponsor or Property Owner has provided a current Soil Evaluation of the Site Property, attached hereto as **Exhibit C**, showing that the Site Property is not subject to any recognized environmental conditions as defined by the American Society for Testing and Materials (ASTM) Standard E1527-05 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (i.e., the presence or likely presence of any Hazardous Substances or petroleum products). If the Phase I Environmental Site Assessment identified any recognized environmental conditions, the Mitigation Sponsor and Property Owner represent and warrant to the IRT that all appropriate assessment, clean-up, adaptive or removal action will be completed as part of this project.

Permits

The Mitigation Sponsor will obtain all appropriate permits and other authorizations needed to construct and maintain the Site. This SPI does not constitute or substitute for any such approval.

Modification of the Mitigation Plan

In the event that after the SPI is signed by the Parties, the Mitigation Sponsor and the IRT determine that modifications must be made in the Mitigation Plan to ensure successful creation, restoration, and enhancement of Waters of the U.S and Covered Habitat within the Site, or in order to comply with specific permits or other authorizations needed to establish the Site, the Parties shall meet to discuss the required modifications, and the Mitigation Sponsor shall submit a written request for approval of such modifications to each member of the IRT within 60 days of the meeting. Upon written approval from each member of the IRT, the Mitigation Sponsor shall then implement all approved modifications. The Mitigation Sponsor shall provide revised as-built drawings to the IRT members within 90 days of completion of the modifications.

Property Assessment and Warranty

Property Owner shall notify the IRT of any errors or discrepancies in the Property Assessment and Warranty (**Exhibit B**) discovered subsequent to Property Owner's signing of this SPI. The IRT shall evaluate any impacts of the errors or discrepancies on the Property and the Conservation Restriction, and may reduce the number of available compensatory mitigation as a result of such impacts according to the policies of the IRT in effect at the time of notice to the IRT.

Site Establishment Date

The Site Establishment Date will occur when all of the following actions have occurred:

A. The SPI has been fully executed by all of the Parties,

The Conservation Restriction has been accepted by The City of New Bedford approved by the IRT and recorded in the Registry of Deeds the county in which the Property is located, and;

The Mitigation Sponsor has complied with its obligation to furnish financial assurances in accordance with Section 11.

Within 30 days of the Site Establishment Date, the Mitigation Sponsor shall provide an electronic copy of the final, signed SPI including all of its Exhibits, to each member of the IRT.

Operation of the Site

A. Service Area

The Service Area is described and shown in **Exhibit A-3**.

Interim and Long-term Management and Monitoring

Interim Management and Monitoring

Mitigation Sponsor shall be responsible for conducting management and monitoring activities according to the Long Term Management Plan until all of the Performance Standards are met and the Endowment Fund has been fully funded for one year.

Long-term Management and Monitoring

Once the Performance Standards have been met and the Endowment Fund has been fully funded for one year, the Property Owner shall implement long-term management and monitoring of the Property according to the Long-term Management Plan. Property Owner shall be obligated to manage and monitor the Property in perpetuity to preserve its habitat and conservation values in accordance with this SPI, the Conservation Restriction and the Long-term Management Plan. Such activities shall be funded through the Endowment Fund according to Section 4.9.E.2.b. Property Owner and the IRT members shall meet and confer upon the request of any one of them, to consider revisions to the Long-term Management Plan which may be necessary or appropriate to better conserve the habitat and conservation values of the Property.

Site Closure Plan

Upon Site closure, no further compensatory mitigation for the NBMCT shall occur.

The Site closure shall be deemed to take place upon occurrence of all of the following:

All Performance Standards have been met; and

The Mitigation Sponsor requests Site closure by written notice to the IRT and IRT provides written approval of the closure; and

All financial responsibilities of the Mitigation Sponsor have been met, including 100% funding of the Endowment Fund for not less than one year.

Financial Operations

All financial transactions shall be reported in accordance with Section 4.10.

Securities

Construction Security

The holder shall be entitled to draw upon the Construction Security if:

any Transfer of compensatory mitigation has been made; and

either (i) at any time after the Site Establishment Date, the IRT determines that the Mitigation Sponsor is not making good faith efforts to complete construction and planting in accordance with the Mitigation Plan, or (ii) two years has elapsed since the Site Establishment Date, and construction and planting in accordance with the Mitigation Plan is not complete.

The Construction Security (or any portion of such security then remaining) shall be released to the Mitigation Sponsor after the Mitigation Sponsor completes the construction and planting activities in accordance with the Mitigation Plan, as demonstrated by:

Mitigation Sponsor's submission of as-built drawings in accordance with Section 4.7.A.2 and Section 4.7.B.3;

An on-site inspection by the IRT; and

Written approval from the IRT.

Performance Security

The holder shall be entitled to draw upon the Performance Security in accordance with Section 4.9.F.1.

If any portion of the Performance Security is drawn upon pursuant to this Section 4.9.F.1, then the Mitigation Sponsor shall replenish the Performance Security.

The Performance Security (or any portion of such security then remaining) shall be released to the Mitigation Sponsor after all of the Performance Standards have been met and all Adaptive Management, if any, has been completed, as evidenced by:

Timely submission of all required annual reports in accordance with Section 4.10.B;

The third anniversary of the completion of all Adaptive Management, if any, in accordance with the applicable Adapative Management Plan;

An on-site inspection by the IRT; and

Written approval from the IRT.

Endowment Fund

Endowment Fund Deposits

MDFG shall deposit the Endowment Deposits it receives into the Special Deposit Fund or subsequent Commonwealth authorized trust fund established pursuant to Commonwealth law.

Endowment Fund Management

The Endowment Principal amount should not decrease in value through expenditure or investment strategy. The Endowment Principal amount is intended to increase in value to keep up with inflation. Therefore a portion of the interest and earnings on the Endowment Principal balance shall be reinvested into the Endowment Fund as required to adjust the Endowment Principal using the same CPI adjustment formula as set forth in Section 11.E.3. After the Endowment Principal is fully funded, even if interest earnings are insufficient to increase the Endowment Principal to keep up with inflation, no additional Endowment monies will be required from the Property Owner or the Mitigation Sponsor.

Interest earnings beyond those necessary to provide for Endowment Principal growth commensurate with inflation will be made available to fund annual management of the Property in accordance with the terms of this SPI and the Long-term Management Plan.

Any Endowment Fund revenues (including earnings and interest) remaining after the Endowment Principal is adjusted for inflation that exceed the anticipated annual management expenses of the Property shall be retained in the Endowment Fund and may be made available to fund unexpected expenses and Adaptive Management needs.

Property Owner shall invoice MDFG for management activities following the invoicing instructions.

Financial Records and Auditing

The Mitigation Sponsor and/or Property Owner, as appropriate, shall maintain complete and accurate records relating to the financial operation of the Site using generally accepted accounting methods, principles and practices consistently applied. The financial operation of the Site includes all financial assurances received or expended during the establishment and operation of the Site. At the request of the IRT, no more frequently than annually, the Mitigation Sponsor and/or Property Owner, as appropriate, shall have records relating to the financial operation of the Site audited by an independent, licensed Certified Public Accountant and shall submit the auditor’s report to the IRT upon completion.

The signatory agencies or their designated representatives shall also have the right to review and copy any records and supporting documentation pertaining to the performance of this SPI. Mitigation Sponsor and Property Owner agree to maintain such records for possible audit for a minimum of three years after Site Closure, or three years after the date of performance, whichever is later. Mitigation Sponsor and Property Owner agree to allow the auditor(s) access to such records during normal business hours and to allow interviews of any employee or representative who might reasonably have information related to such records. Further, Mitigation Sponsor and Property Owner agree to include a similar right of Commonwealth and federal auditors to audit records and interview employees and representatives in any contract related to the performance of this SPI.

Adaptive Management Plan

Prior to Site closure, if any Party discovers any failure to achieve the Performance Standards or any injury or adverse impact to the Property as preserved, restored, or enhanced, the Party making the discovery shall notify the other Parties. The IRT may require the Mitigation Sponsor to develop and implement a Adaptive Management Plan to correct such condition, as described below. The annual report required under Section 4.10.B. shall identify and describe any Adaptive Management proposed, approved, or performed and, if the Adaptive Management has been completed, evaluate its effectiveness.

Within 60 days of the date of written notice from the IRT, the Mitigation Sponsor shall develop a Adaptive Management Plan and submit it to the IRT for approval. The Adaptive Management Plan must identify and describe proposed actions to achieve the Performance Standards or ameliorate injury or adverse impact to the Property and set forth a schedule within which the Mitigation Sponsor will implement those actions. The Mitigation Sponsor shall, at Mitigation Sponsor's cost, implement the necessary and appropriate Adaptive Management in accordance with the Adaptive Management Plan approved by the IRT. In the event the Mitigation Sponsor fails to submit a Adaptive Management Plan to the IRT in accordance with this section, the IRT will notify the Mitigation Sponsor that the Mitigation Sponsor is in default and may identify Adaptive Management the IRT members deems necessary. If (a) the Mitigation Sponsor fails to develop a Adaptive Management Plan or to implement Adaptive Management identified by the IRT, in accordance with this section, or (b) conditions have not improved or continue to deteriorate two years after the date that the IRT approved a Adaptive Management Plan or notified Mitigation Sponsor of Adaptive Managements the IRT deemed necessary, then the holder of the Performance Security may draw upon that security to undertake Adaptive Management on the Property.

If the IRT determines that the Site is operating at a compensatory mitigation deficit (i.e., that compensatory mitigation made exceed the compensatory mitigation authorized for release, as adjusted in accordance with this SPI), then the IRT shall notify the Mitigation Sponsor. Upon the IRT giving such notice, Mitigation Sponsor shall immediately cease Transfer of compensatory mitigation. The IRT will determine

what Adaptive Management is necessary to correct the compensatory mitigation deficit, and Mitigation Sponsor shall implement such Adaptive Management, in accordance with this Section 4.9.F.

Reporting

A. Annual Inflation Adjustments to Endowment Fund Report

On January 2nd of each year following the Site Establishment Date and until the Endowment Fund is fully funded, the Mitigation Sponsor shall report to the IRT, in hard copy and in editable electronic format, the following values:

The adjusted Endowment Principal, determined in accordance with Section 11.5.3; and

The resulting adjusted Endowment Deposit amounts.

Annual Report

Mitigation Sponsor or Property Owner, as appropriate, shall submit an annual report to each member of the IRT, in hard copy and in editable electronic format, on or before August 15th of each year following the Site Establishment Date. Each annual report shall cover the period from July 1 of the preceding year (or if earlier, the Site Establishment Date for the first annual report) through June 30th of the current year (the "Reporting Period"). The Mitigation Sponsor shall be responsible for the reporting tasks described below until Site closure. The annual report shall address the following:

Site Development

The annual report shall document the degree to which the Site is meeting the Performance Standards. The annual report shall describe any deficiencies in attaining and maintaining Performance Standards and any Adaptive Management proposed, approved, or performed. If Adaptive Management has been completed, the annual report shall also evaluate the effectiveness of that action.

Interim Management and Long-term Management

The annual report shall contain an itemized account of the management tasks conducted during the reporting period, including the following:

The time period covered, i.e. the dates "from" and "to";

A description of each management task conducted, the dollar amount expended and time required; and

The total dollar amount expended for management tasks conducted during the reporting period.

Financial Operation

The annual report shall set forth an itemized account of any and all activity of Mitigation Sponsor and/or Property Owner regarding the Construction Security, Performance Security, and the Endowment Fund.

Responsibilities of the Mitigation Sponsor and Property Owner

A. Without limiting any of its other obligations, including without limitation, under the Conservation Restriction, Mitigation Sponsor and Property Owner each hereby agrees and covenants that:

1. If the entity proposed to hold the Conservation Restrictment is not an IRT agency, Mitigation Sponsor and Property Owner shall, prior to the execution of the Conservation Restrictment, provide the IRT with satisfactory evidence that the entity proposed to hold the Conservation Restrictment (Grantee) is authorized to do so pursuant to Massachusetts General Laws, and has agreed to hold said Conservation Restrictment.

Mitigation Sponsor shall be responsible for all activities and costs associated with the establishment and operation of the Site, including but not limited to construction, planting, Adaptive Management, documentation, maintenance, management, monitoring, and reporting, until the Endowment Principal has been fully funded for one year and all Performance Standards have been met.

It shall not discharge or release to or from the Property, or permit others to discharge or release to or from the Property, any material, waste or substance designated as hazardous or toxic or as a pollutant or contaminant under any federal, Commonwealth, or local environmental law or regulation (each a "Hazardous Substance").

Property Owner shall not create or suffer any lien or encumbrance upon the Property other than as set forth in the Property Assessment and Warranty approved by the IRT, and Property Owner shall not execute, renew, or extend any lien, lease, license, or similar recorded or unrecorded right or interest in the Property without the prior written consent of the IRT.

It shall not construct or install any structure or improvement on, or engage in any activity or use of, the Property, including mineral exploration or development, excavation, draining, dredging, or other alteration of the Property that is not consistent with and in accordance with this SPI and its Exhibits.

Mitigation Sponsor shall ensure that the Property is managed and maintained in accordance with this SPI and its Exhibits.

Property Owner shall allow, or otherwise provide for, access to the Property by Mitigation Sponsor, Grantee, the IRT agencies and third parties, as described in the Conservation Restrictment.

The Property Owner shall grant to Mitigation Sponsor all rights and authority necessary to carry out, and shall not limit the Mitigation Sponsor in performing, its responsibilities and obligations on and affecting the Property in accordance with this SPI.

Reasonably foreseeable technical problems, or unanticipated or increased costs or expenses associated with the implementation of actions called for by this SPI, or changed financial

or business circumstances in and of themselves shall not serve as the basis for modifications of this SPI or extensions for the performance of the requirements of this SPI.

An extension of one compliance date based upon or related to a single incident shall not extend any subsequent compliance dates. The Mitigation Sponsor or Property Owner must show cause for any or every delayed step or requirement for which an extension is sought.

Responsibilities of the IRT

A. IRT Oversight

The IRT agrees to provide appropriate oversight in carrying out provisions of this SPI.

IRT Review

The IRT will make a good faith effort to provide comments on the annual reports and Adaptive Management Plans within 60 days from the date of complete submittal. If the IRT is unable to review Adaptive Management Plans within the time specified, this fact will be reflected in any schedule established for performance of Adaptive Management and any evaluation of timely performance of Adaptive Management by Mitigation Sponsor or Property Owner.

Compliance Inspections

The IRT shall conduct compliance inspections as necessary:

To verify the compensatory mitigation created at the site; and/or

Recommend Adaptive Management as needed; or

For any other purpose determined by the IRT as necessary to assess compliance with this SPI.

Other Provisions

A. Force Majeure

The Mitigation Sponsor and Property Owner shall be responsible to maintain the Property and perform Adaptive Management except for damage or non-compliance caused by Catastrophic Events, events of Force Majeure or Unlawful Acts. In order for such exception to apply, the Mitigation Sponsor and Property Owner shall bear the burden of demonstrating all of the following:

That the damage or non-compliance was caused by circumstances beyond the control of the Mitigation Sponsor, Property Owner, and any person or entity under the direction or control of the Mitigation Sponsor or Property Owner, including its employees, agents, contractors and consultants;

That neither the Mitigation Sponsor, Property Owner, nor any person or entity under the direction or control of the Mitigation Sponsor or Property Owner,

including its employees, agents, contractors and consultants, could have reasonably foreseen and prevented such damage or non-compliance; and

The period of damage or non-compliance was a direct result of such circumstances.

The Mitigation Sponsor and Property Owner shall notify the IRT within 24 hours of occurrence of a Catastrophic Event, event of Force Majeure, or Unlawful Act, and as promptly as reasonably possible thereafter Mitigation Sponsor, Property Owner, and the IRT shall meet to discuss the course of action in response to such occurrence. In the meantime, Mitigation Sponsor and Property Owner shall continue to manage and maintain the Property to the full extent practicable.

Dispute Resolution

The members of the IRT, the Mitigation Sponsor, and the Property Owner agree to work together in good faith to resolve disputes concerning this SPI, but any of the Parties may seek any available remedy. Unless any of the Parties has initiated legal action, any Party may elect to employ an informal dispute resolution process whereby:

The electing Party shall notify the other Parties of the dispute, the position of the aggrieved Party (including, if applicable, the basis for contending that a violation has occurred), and the remedies the electing Party proposes;

The notified Parties shall have 30 days (or such other time as the Parties may mutually agree) to respond. During this time, any such other Parties may seek clarification of the initial notice;

Within 30 days after such notified Parties' response was provided or due, whichever is later, the Parties shall confer and negotiate in good faith toward a mutually satisfactory resolution, or shall establish a specific process and timetable to seek such resolution.

The dispute resolution process may be terminated by any Party upon written notice to all other Parties.

Conveyance of Property or Other Interests

All transfers of any interest in the Property or the Conservation Restriction are subject to the applicable provisions of the Conservation Restriction.

The Property Owner shall have the right to sell, assign, transfer or convey (each a "transfer") its interest in the Property at any time; *provided, however*, that any such transfer on or after the execution date of this SPI must be made in accordance with this SPI and the Conservation Restriction. From and after the date of any transfer by Property Owner of its interest in the Property, the transferor shall have no further obligations hereunder and all references to Property Owner in this SPI shall thereafter refer to such transferee, except that the transferor's liability for acts, omissions, or breaches occurring prior to the transfer shall survive the transfer.

The Mitigation Sponsor may sell or convey its interest in the Site at any time, provided that Mitigation Sponsor is in full compliance with all requirements of this SPI (including all financial assurance requirements), and subject to the prior written approval of the IRT. If any of the financial assurances required under this SPI are not completely funded at the time the Mitigation Sponsor requests IRT approval of a sale or conveyance, then the IRT shall not approve such sale or conveyance unless and until either the current Mitigation Sponsor, or the proposed replacement Mitigation Sponsor, shall have provided all required financial assurances. In addition, prior to sale or conveyance, the Mitigation Sponsor shall provide to each member of the IRT a written agreement signed by the replacement Mitigation Sponsor in which the Mitigation Sponsor assigns to the replacement Mitigation Sponsor, and the replacement Mitigation Sponsor assumes and agrees to perform, all of the responsibilities and obligations of the Mitigation Sponsor under the SPI. Any such sale or conveyance made without the prior written concurrence of the IRT may, at the discretion of the IRT, result in the termination of this SPI according to Section 4.13.D.2.c.

Modification and Termination of the SPI

Amendment and Modification

This SPI, including its Exhibits, may be amended or modified only with the written approval of the Parties. All amendments and modifications shall be fully set forth in a separate document signed by all Parties that shall be appended to this SPI.

Termination

The Mitigation Sponsor and Property Owner may jointly withdraw the entire Property and terminate this SPI at any time prior to any compensatory mitigation being completed, provided that Waters of the U.S. and other habitat values existing on the Property prior to the initiation of any efforts to restore or enhance the Property shall be preserved in a condition at least equal to that which existed prior to initiation of compensatory mitigation establishment efforts, and as the Conservation Restriction may require.

In the event this SPI is terminated or the Site is closed, any remaining compensatory mitigation shall be extinguished and will no longer be available.

The IRT may terminate this SPI if the Mitigation Sponsor or Property Owner sells or conveys the Site or the Property without the prior written concurrence of the IRT, as required by Section 4.13.C.

If any member of the IRT so requests, the member(s) of the IRT proposing to terminate participation in the SPI agree to meet with the other IRT members to discuss the reason(s) for such termination, prior to the termination taking effect. Notice of a request for such meeting shall be made by the requesting IRT member(s) not later than 15 calendar days from receipt of the notice of termination.

Termination by one member of the IRT of its involvement in this SPI shall not terminate or affect the relationship between the remaining member of the IRT, toward each other or the Mitigation Sponsor or Property Owner, under this SPI.

Nothing in this Section 4.13.D.2 is intended or shall be construed to limit the legal or equitable remedies (including specific performance and injunctive relief) available to the IRT in the event of a threatened or actual breach of this SPI.

Default

The Mitigation Sponsor and/or Property Owner shall be in default if that Party fails to observe or perform any obligations or responsibilities required of it by this SPI. In the event the Mitigation Sponsor and/or Property Owner realizes it is in default, it shall promptly notify the other Parties. Once the Parties receive notification or otherwise become aware that the Mitigation Sponsor and/or Property Owner is in default, the Parties may elect to either pursue informal dispute resolution consistent with Section 4.13.B or may cause the holder to draw upon and expend the appropriate financial security as necessary to continue Site development, management, or operation, as provided in Section 11 and 4.9.E. In the event the informal dispute resolution process is invoked, the IRT shall not draw upon financial securities until such time as the informal dispute resolution process has been terminated. This Section 4.13.E shall not be construed to modify or limit any specific right, remedy, or procedure in any Section of this SPI or any remedy available under applicable Commonwealth and/or Federal Law.

Controlling Language

The Parties intend the provisions of this SPI and each of the documents incorporated by reference in it to be consistent with each other, and for each document to be binding in accordance with its terms. To the fullest extent possible, these documents shall be interpreted in a manner that avoids or limits any conflict between or among them. However, if and to the extent that specific language in this SPI conflicts with specific language in any document that is incorporated into this SPI by reference, the specific language within the SPI shall be controlling. The captions and headings of this SPI are for convenient reference only, and shall not define or limit any of its terms or provisions.

Entire Agreement

This SPI, and all exhibits, appendices, schedules and agreements referred to in this SPI, constitute the final, complete and exclusive statement of the terms of the agreement between and among the IRT and the Mitigation Sponsor and Property Owner pertaining to the Site, and supersede all prior and contemporaneous discussions, negotiations, understandings or agreements of the Parties. No other agreement, statement, or promise made by the Parties, or to any employee, officer, or agent of the Parties, which is not contained in this SPI, shall be binding or valid. No alteration or variation of this instrument shall be valid or binding unless contained in a written amendment in accordance with Section 4.13.D.1. Each of the Parties acknowledges that no representation, inducement, promise or agreement, oral or otherwise, has been made by

any of the other Parties or anyone acting on behalf of any of the Parties unless the same has been embodied herein.

Reasonableness and Good Faith

Except as specifically limited elsewhere in this SPI, whenever this SPI requires Mitigation Sponsor, Property Owner, or the IRT to give its consent or approval to any action on the part of the other, such consent or approval shall not be unreasonably withheld or delayed. If the Mitigation Sponsor, Property Owner, or the IRT disagrees with any determination covered by this provision and reasonably requests the reasons for that determination, the determining Party shall furnish its reasons in writing and in reasonable detail within 30 days following the request.

Successors and Assigns

This SPI and each of its covenants and conditions shall be binding on and shall inure to the benefit of the Parties and their respective successors and assigns subject to the limitations on transfer set forth in this SPI.

Partial Invalidity

If a court of competent jurisdiction holds any term or provision of this SPI to be invalid or unenforceable, in whole or in part, for any reason, the validity and enforceability of the remaining terms and provisions, or portions of them, shall not be affected unless an essential purpose of this SPI would be defeated by loss of the invalid or unenforceable provision.

Notices

Any notice, demand, approval, request, or other communication permitted or required by this SPI shall be in writing and deemed given when delivered personally, sent by receipt-confirmed facsimile, or sent by recognized overnight delivery service, addressed as set forth below, or five days after deposit in the U.S. mail, postage prepaid, and addressed as set forth below.

Notice by any Party to any other Party shall be given to all Parties. Such notice shall not be effective until it is deemed to have been received by all Parties.

Addresses for purposes of giving notice are set forth below. Any Party may change its notice address by giving notice of change of address to the other Parties in the manner specified in this Section 4.13.K.

Mitigation Sponsor:

Mass CEC
Sumerst
Telephone:
Fax:

Property Owner:

City of New Bedford
[ADDRESS]
Telephone:
Fax:

IRT Members:

U.S. Army Corps of Engineers
New England District
[DISTRICT ADDRESS]
Attn: Chief, Regulatory Branch
Telephone:
Fax:

NOAA National Marine Fisheries Service
_____ Office
Attn: Field Supervisor
Telephone:
Fax:

U.S. Environmental Protection Agency
Region I
5 Post Office Square – Suite 100
Boston, MA 02109-3912
Attn: Director, Water Division
Telephone: 888-372-7341
Massachusetts Department of Fish and Game
_____Region
[251 Causeway Street Suite #400
Boston, MA 02114
Attn: Regional Manager
Telephone: 617-626-1500
Fax:

Counterparts

This SPI may be executed in multiple counterparts, each of which shall be deemed an original and all of which together shall constitute a single executed agreement.

No Third Party Beneficiaries

This SPI shall not create any third party beneficiary hereto, nor shall it authorize anyone not a Party hereto to maintain any action, suit or other proceeding, including without limitation, for personal injuries, property damage or enforcement pursuant to the provisions of this SPI. The duties, obligations and responsibilities of the Parties to this SPI with respect to third parties shall remain as otherwise provided by law in the event this SPI had never been executed.

Availability of Funds

Implementation of this SPI by the IRT is subject to the requirements of the Anti-Deficiency Act, 31 U.S.C. § 1341, and the availability of appropriated funds. Nothing in this SPI may be construed to require the obligation, appropriation, or expenditure of any money from the U.S. Treasury or the Commonwealth of Massachusetts Treasury. No agency of the IRT is required under this SPI to expend any appropriated funds unless and until an authorized official affirmatively acts to commit to such expenditures as evidenced in writing.

No Partnerships

This SPI shall not make or be deemed to make any Party to this SPI an agent for or the partner or joint venturer of any other Party.

Governing Law

This SPI shall be governed by and construed in accordance with the Federal Endangered Species Act, 16 U.S.C. § 661-666c, the Fish and Wildlife Act of 1956, 16 U.S.C. § 742(f) *et seq.*, Clean Water Act, 33 U.S.C. § 1251 *et seq*., the laws of the Commonwealth of Massachusetts, including but not limited to the Fish and Game Code, and other applicable federal and Commonwealth of Massachusetts laws and regulations.

Execution

Each of the undersigned certifies that he or she has full authority to bind the Party that he or she represents for purposes of entering into this SPI. This SPI shall be deemed executed on the date of the last signature by the Parties.

IN WITNESS WHEREOF, the Parties have executed this SPI as follows:

Mitigation Sponsor

By:_____

Name:_____

Title:_____

Date: _____

Property Owner

By:_____

Name:_____

Title:_____

Date:_____

_____ _____

Corps of Engineers, District Engineer Date

_____District

U.S. Army Corps of Engineers

_____ _____

Field Supervisor Date

_____Office

NOAA National Marine Fisheries

_____ _____

Regional Manager Date

_____Region

Massachusetts Department of Fish and Game

_____ _____

Director, Water Division Date

Region I

U.S. Environmental Protection Agency

Appendix 1 –Required Exhibits

"Exhibit A" - Site Location Maps

A-1. General Vicinity Map
This map should show the Site location in relation to cities, towns, or major roads, and other distinguishable landmarks.

A-2. Map of Property including Site Property
This map should illustrate Property and Site Property boundaries on a topographic map.

A-3. Map(s) of the Site's Project Area(s)
Include Project Area map(s) showing the area within which each type of compensatory mitigation (i.e., Waters of the U.S. or Covered Habitat) is being completed.

"Exhibit B" - Real Estate Records and Assurances

The Property Owner shall provide each member of the IRT the following, with the understanding that the Site will not be deemed established and authorized as compensatory mitigation until the Site Property has been protected in perpetuity by acceptance and recording of the Conservation Restriction or Grant Deed and all of the other requirements for Site establishment have beset forth in the SPI have been met:

B-1. Preliminary Title Report, Legal Description, and Parcel Map(s)
Parcel map(s) and a legal description, as well as a Preliminary Report which includes pertinent exceptions (e.g., excepted or reserved easements or rights, liens, encumbrances and other matters affecting title), of the Site Property.

B-2. Property Assessment and Warranty
Property Assessment and Warranty utilizing the IRT template.

B-3. Plat Maps
Plat maps supporting the Property Assessment and Warrant which illustrate the physical extent of the title exceptions and identify the locations of all structures, roads, fences, and other physical improvements.

B-4. Conservation Restriction Deed or Grant Deed
The Conservation Restriction or Grant Deed approved as to form by the Grantee and third-party beneficiaries.

"Exhibit C" – Soil Evaluation of Wetlands Mitigation Area per Beale and Thomas

"Exhibit D" – Other Documentation, Permits, Amendments or Revisions

To the extent not already obtained, the Mitigation Sponsor or Property Owner will be responsible for obtaining all appropriate environmental documentation, permits

or other authorizations needed to establish and maintain the Site, including but not limited to the following.

Include only those that apply:

Department of the Army Permit;

Environmental documents, findings and notices prepared or filed by Mitigation Sponsor to comply with Massachusetts Wetland Protections Act and NEPA;

Water Quality Certification or Waiver under § 401 of the Clean Water Act;

Federal Endangered Species Act (§ 7 or § 10) compliance; and

APPENDIX 10

July 2, 2012

Fort Hill Infrastructure
Attn: Ken Fields
One Walnut Street
Boston, Massachusetts 02108

Re: Wetland Site Investigation –
Map 25A Parcels 48/49 & Map 31, Parcel 288
New Bedford, Massachusetts

Dear Mr. Fields,

A Professional Wetland Scientist (PWS) from Lucas Environmental, LLC conducted a site investigation of the properties identified as Map 25A Parcels 48/49 & Map 31, Parcel 288 in New Bedford, Massachusetts on June 28, 2012. The purpose of the site investigation was to determine if federally regulated wetland resources were present within the properties. The wetland investigation was performed in accordance with the U.S. Army Corp of Engineers (USACE) Wetland Delineation Manual (1987) and the Northcentral and Northeast Regional Supplement v 2.0 (2012). Wetland resource areas regulated under the Massachusetts Protection Act (310 CMR 10.00) were not identified or delineated. The following data sources were examined prior to the site investigation:

- USGS Topographic Quadrangle
- MassGIS MassDEP Wetland Datalayers
- Plan titled "New Bedford Marine Commerce Terminal Federal Resource Area Assessment", prepared by Apex Companies, LLC, dated 3/24/10 last revised 6/8/12.

As part of the site investigation, LE was asked to locate and evaluate two areas that were identified, by others, as "isolated wetlands". The first area is identified along the northern limit of Map 31 Parcel 288. As a result of the investigation, LE determined that the area identified along the northern edge of Map 31 Parcel 288 does not meet the definition of wetland. The second isolated wetland is located just north of an existing paved area on Map 25A Parcel 49. LE delineated an isolated wetland on Parcel 49. Two separate areas of salt marsh were also delineated along the coastline of the harbor on Parcel 48.

Existing Conditions

Collectively the properties are located along the western coastline of New Bedford Harbor, north of Gifford Street (See Figure 1 – USGS Map and Figure 2 – Aerial Map). The properties are currently undeveloped but show evidence of previous land use and development. Representative photographs of the site and surrounding areas have been included in this report.

The undeveloped portions of Parcel 288, 48 and 49 are vegetated with a mix of early successional open field/scrubland species such as quaking aspen (*Populous tremuloides*), Autumn olive (*Elaeagnus umbellata*), red cedar (*Juniperus virginiana*), black cherry (*Prunus serotina*), multiflora rose (*Rosa multiflora*), pitch pine (*Pinus rigida*), common reed (*Phragmites australis*), common ragweed (*Ambrosia artemisiifolia*), goldenrod (*Solidago* spp.), perennial pea (*Lathyrus latifolius*), black swallow-wort (*Cynanchum louiseae*), thistle (*Cirsium arvense*), and common milkweed (*Asclepis syriaca*).

As stated above, the area identified as an isolated wetland along the northern limit of Parcel 288 was investigated to determine if it meets the federal definition of a wetland. Jurisdictional wetlands are defined by the 1987 Corps of Engineers Wetlands Delineation Manual as "*those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions*". The USACE Wetland Delineation Manual goes on to identify wetlands based on a three-factor approach involving indicators of hydrophytic vegetation, hydric soil, and wetland hydrology. Hydrophytic vegetation is present when the plant community is dominated (>50%) by species that can tolerate prolonged inundation or soil saturation during the growing season.

LE established a data plot at the center of the area and completed a Wetland Determination Field Form to document vegetation, soils and hydrology. The area lacks a predominance of hydrophytic vegetation and is dominated by species suited for upland conditions such as autumn olive, ragweed, Norway maple (*Acer platanoides*) and multliflora rose. There was no evidence of wetland hydrology in or near the area. The soil within this area lacked indicators of hydric soil, however they consist of urban fill which any lack morphological development. Since the soils are unreliable to indicate hydric conditions, vegetation and hydrology was used to make the final determination.

Wetland resource areas are described below.

Wetland Resource Area Description

One isolated vegetated wetland, LE-2, was delineated on Parcel 49. Two separate salt marshes, SM-1 and SM-1, were delineated along the coastline, mostly within Parcel 48. Wetland Determination Field Forms were completed and are included with this report.

LE2 – is an isolated wetland located north of the existing paved area on Parcel 49. The wetland was delineated using survey flagging numbered sequentially from LE2-1 to LE2-9. The wetland area is a shallow depressional feature which has been highly disturbed and altered by previous land uses. Soils consist of disturbed urban fill with varying degrees of morphological development. The wetland is vegetated by a monoculture of common reed. The delineation of this wetland feature is limited to the areas where common reed and evidence of hydrology is present. There is a clear break in vegetation between the wetland and the upland field species staghorn sumac, oriental bittersweet, pitch pine, red cedar, multiflora rose, common milkweed, thistle, black swallow-wort, and goldenrod.

Salt Marsh 1 and 2 are two separate salt marshes located along the shoreline. Salt Marsh 1 was delineated using survey flagging numbered sequentially from SM 1-1 to SM 1-19 and Salt Marsh 2 was delineated sequentially SM 2-1 to SM 2-15. Both salt marsh areas are vegetated with salt marsh cord grass (*Spartina alterniflora*) and traces of glasswort (*Salicornia virginiana*).

If you have any questions please do not hesitate to contact me at 617.405.4053.

Sincerely,
LUCAS ENVIRONMENTAL, LLC

Thomas E. Liddy, PWS
Senior Wetland Scientist
Land Development & Permitting

Enclosures

Figure 1 – USGS Map

Figure 2 – Aerial Map

Photographic Documentation

Wetland Determination Field Forms

Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs; USGS Color Ortho Imagery - 30cm (2008/2009)

N

0 750 1,500 3,000 Feet

USGS Map

Wetland Report
Land North of Gifford Street
New Bedford, MA

FIGURE 1

LUCAS ENVIRONMENTAL, LLC
LAND DEVELOPMENT & PERMITTING

Source: Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs; USGS Color Ortho Imagery - 30cm (2008/2009)

N

0 200 400 800 Feet

Aerial Map

Wetland Report
Land North of Gifford Street
New Bedford, MA

FIGURE 2

LUCAS ENVIRONMENTAL, LLC
LAND DEVELOPMENT & PERMITTING

Photographic Documentation

Photograph 1: View of Salt Marsh 1 looking north during high tide.

Photograph 2: View of Salt Marsh 2 north of parking lot looking south during high tide.

Photograph 3: Isolated Vegetated Wetland LE-2 on Parcel 49.

Photograph 4: Isolated Vegetated Wetland LE-2 on Parcel 49 looking north.

Photograph 5: View of first area near northern edge of Parcel 288. Area dominated by upland species common ragweed, multiflora rose, Norway maple, and autumn olive.

Photograph 6: View of first area near northern edge of Parcel 288.

Wetland Determination Field Forms

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: New Bedford Harbor City/County:New Bedford Sampling Date:6/28/2012

Applicant/Owner:New Bedford State:MA Sampling Point:Parcel 288

Investigator(s):Thomas Liddy Section, Township, Range:_____

Landform (hillslope, terrace, etc.):_____ Local relief (concave, convex, none):Concave

Slope (%):3 Lat:_____ Long:_____ Datum:_____

Soil Map Unit Name:_____ NWI Classification:N/A

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks)

Are Vegetation ☐ Soil ☒ or Hydrology ☐ significantly disturbed? Are "Normal Circumstances present? Yes ☒ No ☐

Are Vegetation ☐, Soil ☒ or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☒	**Is the Sampled Area within a Wetland?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	If yes, optional Wetland Site ID: _____

Remarks: (explain alternative procedures here or in separate report)

Soils in location consits of urban fill and lack normal morphalogical development and properties. Identification of wetlands rely primarily on vegetation and hydrology. Vegetation encountered is typical of an early successional upland open field/scrubland.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ☐	No ☒	Depth (inches)
Water Table Present?	Yes ☐	No ☒	Depth (inches)
Saturation Present? (include capillary fringe)	Yes ☐	No ☒	Depth (inches)

Wetland Hydrology Present? Yes ☐ **No** ☒

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No evidence of surface hydrology present in area.

VEGETATION – Use scientific names of plants

Sampling Point: ID 288

Tree Stratum (Plot size:30 ft)	Absolute % Cover	Dominant Species?	Indicator Status
1. Hornbeam (Carpinus carolinia)	10%	Yes	FAC
2.			
3.			
4.			
5.			
6.			
7.			
	= Total Cover		
Sapling/Shrub Stratum (Plot size:15 ft)			
1. Autumn Olive(Elaeagnus umbellata)	85%	Yes	UPL
2. Multiflora Rose (Rosa multiflora)	20%	Yes	FACU
3 .Norway Maple (Acer platanoides	10%	No	
4.			
5.			
6.			
7.			
8.			
	= Total Cover		
Herb Stratum (Plot size:5 ft)			
1. Common ragweed (Ambrosia artemisiifolia)	95%	Yes	FACU
2. Common Reed (Phragmites australis)	5%	No	FACU
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	= Total Cover		
Woody Vine Stratum (Plot size:15 ft)			
1. Oriental Bittersweet (Celastrus orbiculatus)	5 stems	Yes	FACU
2.			
3.			
4.			
	= Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	1 (A)
Total Number of Dominant Species Across All Strata:	5 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	20% (C)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ☐ Rapid Test for Hydrophytic Vegetation
- ☒ Dominance Test is >50%
- ☐ Prevalence Index is ≤3.01
- ☐ Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet)
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBHand greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardlessof size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height

Hydrophytic Vegetation Present? Yes ☐ No ☒

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: ID 288

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		
0-10"	10 YR 4/3	100	None				fsl	
10"	R							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grain. [2]Location: PL=Pore Lining M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (**LRR, R, MLRA 149B**)
- ☐ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ☐ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ☐ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ☐ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ☐ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ☐ Dark Surface (S7) (**LRR K, L**)
- ☐ Polyvalue Below Surface (S8) (**LRR K, L**)
- ☐ Thin Dark Surface (S9) (**LRR K, L**)
- ☐ Iron-Manganese Masses (F12)
- ☐ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ☐ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if observed):

Type: Till

Depth (inches): 10"

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

Soils consist of urban fill - no evidence of hydric soil indicators (redoximorphic features, staining, accumulaton of organic matter) present.

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: New Bedford Harbor City/County:New Bedford Sampling Date:6/28/2012

Applicant/Owner:New Bedford State:MA Sampling Point:Wetland LE 2

Investigator(s):Thomas Liddy Section, Township, Range:_____

Landform (hillslope, terrace, etc.):_____ Local relief (concave, convex, none):Concave

Slope (%):3 Lat:_____ Long:_____ Datum:_____

Soil Map Unit Name:_____ NWI Classification:PEM

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks)

Are Vegetation ☐ Soil ☒ or Hydrology ☐ significantly disturbed? Are "Normal Circumstances present? Yes ☒ No ☐

Are Vegetation ☐, Soil ☐ or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☒	No ☐	**Is the Sampled Area within a Wetland?** **Yes** ☒ **No** ☐
Hydric Soil Present?	Yes ☒	No ☐	
Wetland Hydrology Present?	Yes ☒	No ☐	If yes, optional Wetland Site ID: _____

Remarks: (explain alternative procedures here or in separate report)
Plot located in upland near wetland flag LE 2-7.
Area highlydisturbed due to previous land uses.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☒ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☒ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ☐	No ☒	Depth (inches)
Water Table Present?	Yes ☐	No ☒	Depth (inches)
Saturation Present? (include capillary fringe)	Yes ☐	No ☒	Depth (inches)

Wetland Hydrology Present? Yes ☒ **No** ☐

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants

Sampling Point: 2 - WET

Tree Stratum (Plot size:30 ft)	Absolute % Cover	Dominant Species?	Indicator Status
1. Red maple (Acer rubrum)	20%	Yes	FAC
2.			
3.			
4.			
5.			
6.			
7.			
		= Total Cover	
Sapling/Shrub Stratum (Plot size:15 ft)			
1. Bayberry (Morella pensylvanica)	10%	Yes	FAC
2.			
3.			
4.			
5.			
6.			
7.			
8.			
		= Total Cover	
Herb Stratum (Plot size:5 ft)			
1. Common Reed (Phragmites australis)	100%	Yes	FACW
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
		= Total Cover	
Woody Vine Stratum (Plot size:15 ft)			
1. None			
2.			
3.			
4.			
		= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	3	(A)
Total Number of Dominant Species Across All Strata:	3	(B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	100%	(C)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ☐ Rapid Test for Hydrophytic Vegetation
- ☒ Dominance Test is >50%
- ☐ Prevalence Index is ≤3.01
- ☐ Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet)
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBHand greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardlessof size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height

Hydrophytic Vegetation Present? Yes ☒ No ☐

Remarks: (Include photo numbers here or on a separate sheet.)

Area infested with Black Swallowwort. Delineation based on monoculture of Phragmites and loss of upland herbaceous vegetation.

SOIL

Sampling Point: 2 - WET

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		
0-2	10 YR 4/2	100					sl	
2-12	101YR 5/2	100	10YR 5/8	10	c	m	sl	No redox present

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grain. [2]Location: PL=Pore Lining M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (**LRR, R, MLRA 149B**)
- ☐ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ☐ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ☐ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ☐ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ☐ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ☐ Dark Surface (S7) (**LRR K, L**)
- ☐ Polyvalue Below Surface (S8) (**LRR K, L**)
- ☐ Thin Dark Surface (S9) (**LRR K, L**)
- ☐ Iron-Manganese Masses (F12)
- ☐ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ☐ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if observed):

Type: Till

Depth (inches): 12"

Hydric Soil Present? Yes ☒ No ☐

Remarks:

Soils consist of urban fill and are highly disturbed and lack morphological developed. Soils considered hydric where redoximorphic features are developing above restrictive layer.

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: New Bedford Harbor City/County:New Bedford Sampling Date:6/28/2012

Applicant/Owner:New Bedford State:MA Sampling Point:Wetland LE 2

Investigator(s):Thomas Liddy Section, Township, Range:_____

Landform (hillslope, terrace, etc.):_____ Local relief (concave, convex, none):Concave

Slope (%):3 Lat:_____ Long:_____ Datum:_____

Soil Map Unit Name:_____ NWI Classification:N/A

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks)

Are Vegetation ☐ Soil ☒ or Hydrology ☐ significantly disturbed? Are "Normal Circumstances present? Yes ☒ No ☐

Are Vegetation ☐, Soil ☐ or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ☐	No ☒	**Is the Sampled Area within a Wetland?** **Yes** ☐ **No** ☒
Hydric Soil Present?	Yes ☐	No ☒	
Wetland Hydrology Present?	Yes ☐	No ☒	If yes, optional Wetland Site ID: _____

Remarks: (explain alternative procedures here or in separate report)

Plot located in upland near wetland flag LE 1-7.
Area highlydisturbed due to previous land uses. Upland vegetation and lack of wetland hydrology appear to be reliable indicators of the upland/wetland boundary.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift Deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres on Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry-Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ☐	No ☒	Depth (inches)
Water Table Present?	Yes ☐	No ☒	Depth (inches)
Saturation Present? (include capillary fringe)	Yes ☐	No ☒	Depth (inches)

Wetland Hydrology Present? **Yes** ☐ **No** ☒

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No indicators of hydrology present.

VEGETATION – Use scientific names of plants

Sampling Point: 2 - UPL

Tree Stratum (Plot size:30 ft)	Absolute % Cover	Dominant Species?	Indicator Status
1. None			
2.			
3.			
4.			
5.			
6.			
7.			
		= Total Cover	
Sapling/Shrub Stratum (Plot size:15 ft)			
1. Autumn Olive (Elaeganus umbellata)	85%	Yes	FACU
2. Norway Maple (Acer platanoides)	10%	No	
3 .Pussy Willow (Salix discolor)	10%	No	FACW
4.			
5.			
6.			
7.			
8.			
		= Total Cover	
Herb Stratum (Plot size:5 ft)			
1. Common Ragweed (Ambrosia artemisiifolia)	95%	Yes	FACU
2. Common Reed (Phragmites australis)	5%	No	OBL
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
		= Total Cover	
Woody Vine Stratum (Plot size:15 ft)			
1. None			
2.			
3.			
4.			
		= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC:	0 (A)
Total Number of Dominant Species Across All Strata:	2 (B)
Percent of Dominant Species That Are OBL, FACW, or FAC:	0% (C)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 =
FACW species	x 2 =
FAC species	x 3 =
FACU species	x 4 =
UPL species	x 5 =
Column Totals: (A)	(B)

Prevalence Index = B/A =

Hydrophytic Vegetation Indicators:

- ☐ Rapid Test for Hydrophytic Vegetation
- ☒ Dominance Test is >50%
- ☐ Prevalence Index is ≤3.01
- ☐ Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet)
- ☐ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBHand greater than 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardlessof size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height

Hydrophytic Vegetation Present? Yes ☐ No ☒

Remarks: (Include photo numbers here or on a separate sheet.)

SOIL

Sampling Point: 2 - UPL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]		
0-3"	10 YR 4/3	100					fsl	
3-10"	101YR 5/3	100					fsl	No redox present

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grain. [2]Location: PL=Pore Lining M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Mucky Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (**LRR, R, MLRA 149B**)
- ☐ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ☐ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ☐ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils[3]:

- ☐ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ☐ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ☐ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ☐ Dark Surface (S7) (**LRR K, L**)
- ☐ Polyvalue Below Surface (S8) (**LRR K, L**)
- ☐ Thin Dark Surface (S9) (**LRR K, L**)
- ☐ Iron-Manganese Masses (F12)
- ☐ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ☐ Mesic Spodic (TA6) (**MLRA 144A, 145, 149B**)
- ☐ Red Parent Material (TF2)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if observed):

Type: Till

Depth (inches): 10"

Hydric Soil Present? **Yes** ☐ **No** ☒

Remarks:

Soils consist of urban fill and are highly disturbed so do not give a reliable indicator of hydric soils. Soils considered hydric where redoximorphic features are developing above restrictive layer. No redoximorphic features were observed in the plot.

APPENDIX 11

Monitoring Effectiveness of the Winter Flounder Spawning Habitat Mitigation Plan

School for Marine Science and Technology (SMAST)

Preliminary Scope of Work

February 13, 2011

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Summary

In coordination with Apex Companies LLC, SMAST developed a plan to quickly initiate baseline sampling and to develop a conceptual design for long-term monitoring, with the goal of evaluating the effectiveness of the mitigation plan for winter flounder spawning habitat associated with the New Bedford South Terminal extension. The analytical design involves before-after/control-impact sampling and statistical comparisons. A control site was defined that is adjacent to the habitat mitigation site north of Butler Flats, with the same area and similar bathymetry as the habitat mitigation site. Baseline sampling (before the mitigation plan begins) of the mitigation and control sites is critical for evaluating effectiveness of the plan. It is imperative that baseline sampling begin as soon as possible to provide adequate observations during the winter flounder spawning season. Baseline sampling will involve either bi-weekly or weekly surveys of winter flounder eggs in the mitigation and control sites. A hybrid program is also possible (although exact costs for such a program are dependent upon the details of its implementation). Long-term monitoring will involve bi-weekly or weekly (or a hybrid of the two) surveys of winter flounder eggs during the spawning season. Statistical analysis of baseline and long-term monitoring data will test for increased presence of winter flounder eggs in the mitigation area.

Background

Winter flounder, *Pseudopleuronectes americanus*, is a commercially and recreationally important flatfish species that is distributed along the east coast of North America from North Carolina northward to Newfoundland (Bigelow and Schroeder, 1953; McCracken, 1963). Winter flounder commonly spawn in shallow estuarine and nearshore habitats (Collette and Klein-MacPhee, 2002) to which they display spawning site fidelity (Saila, 1961; Phelan, 1992). Winter flounder form relatively isolated local populations along the coast of the United States (Perlmutter, 1947). These local populations are vulnerable to localized depletion due to human alterations of estuarine and near shore habitat, such as dredging and filling (Howell et al., 1999).

Following a mandate in the 1996 U.S. Sustainable Fisheries Act, Fishery Management Councils were required to identify Essential Fish Habitat (EFH) beginning in 1998. EFH was defined as "*those waters and substrate necessary to fish for spawning, breeding, feeding or growth to maturity*". Essential Fish Habitat designations for winter flounder were defined by Pereira et al. (1999). Waters less than five meters are considered to be essential spawning habitats for winter flounder in nearshore areas. Environmental impact studies are often required when human activities such as coastal development and dredging are proposed in areas that have been designated as EFH for winter flounder.

Proposed Methods

The analytical design involves Before-After/Control-Impact (BACI) sampling and statistical comparison. The BACI design consists of an impact area (i.e., the mitigation area) and two unaltered control areas. The BACI design assumes that the control and impact areas have similar habitat characteristics, and that these characteristics will change over time in the same fashion, except for any effect caused by mitigation plan.

The habitat mitigation site is located in Buzzards Bay, adjacent to the Fort Phoenix Channel, and north of Butler Flats (Figure 1). Two control sites were defined that are adjacent to the habitat mitigation site (Figure 2). The control sites area the same size as the mitigation site (13.73 acres), and the bathymetry is consistent between the mitigation and control sites. Control site 1 is located to the north of the mitigation site on the same side of the channel, and control site 2 is adjacent to the mitigation site on the eastern side of the channel.

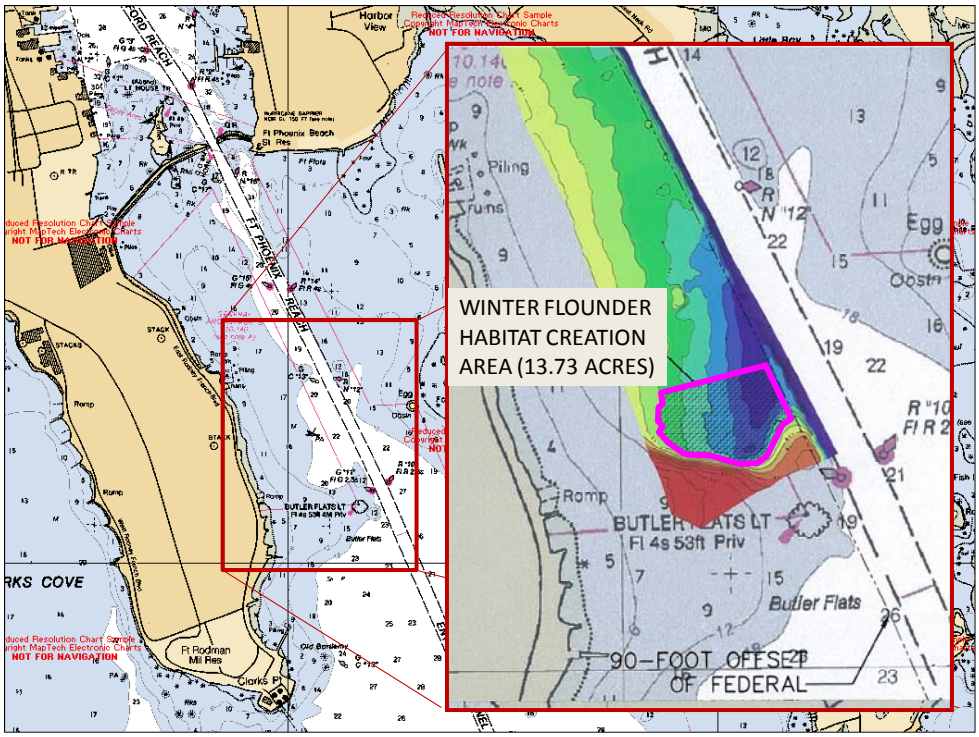

Figure 1. New Bedford outer harbor and location of mitigation site (inset, outlined in pink).

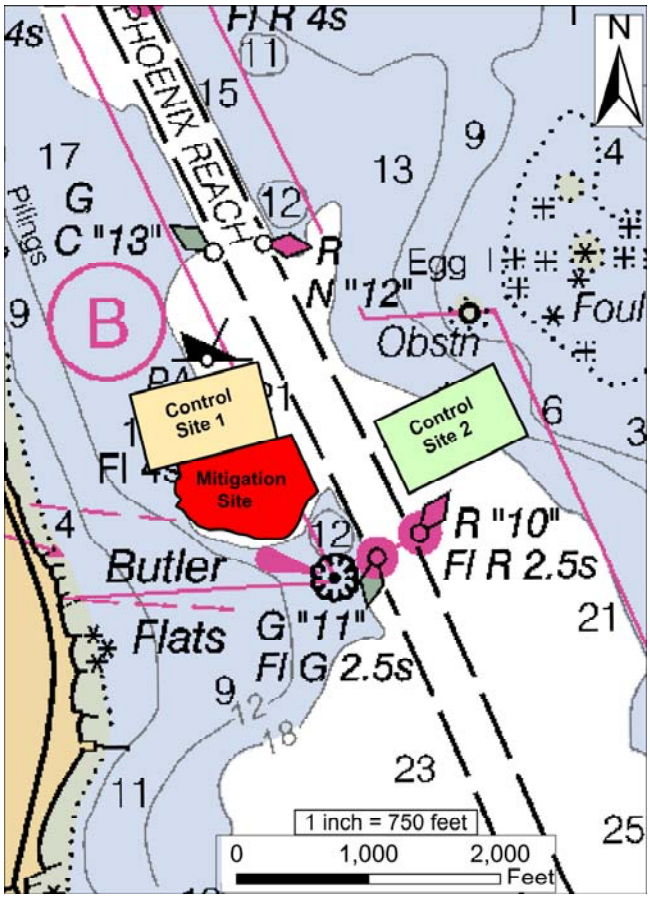

Figure 2. Location of the mitigation site and the two control sites north of Butler Flats.

Baseline sampling will involve weekly or bi-weekly surveys of winter flounder eggs in the mitigation and control sites.

Egg Surveys

Winter flounder spawn adhesive and demersal eggs, which limits dispersion during the egg stage (Klein-MacPhee, 1978). Therefore, egg collections can be used to infer the spawning locations used by winter flounder. Epibenthic sleds have been used successfully in prior studies to sample winter flounder eggs in the field (Crawford and Carey, 1985; Hughes, 1999; Schultz et al., 2007). We propose to conduct egg sampling using an epibenthic sled to test for the presence of winter flounder eggs in both the mitigation site and the control sites (e.g., Figure 3; Schultz et al. 2007). An epibenthic sled will be purchased for long-term monitoring. The Northeast Fisheries Science Center has tentatively agreed to let SMAT use their sled for baseline sampling.

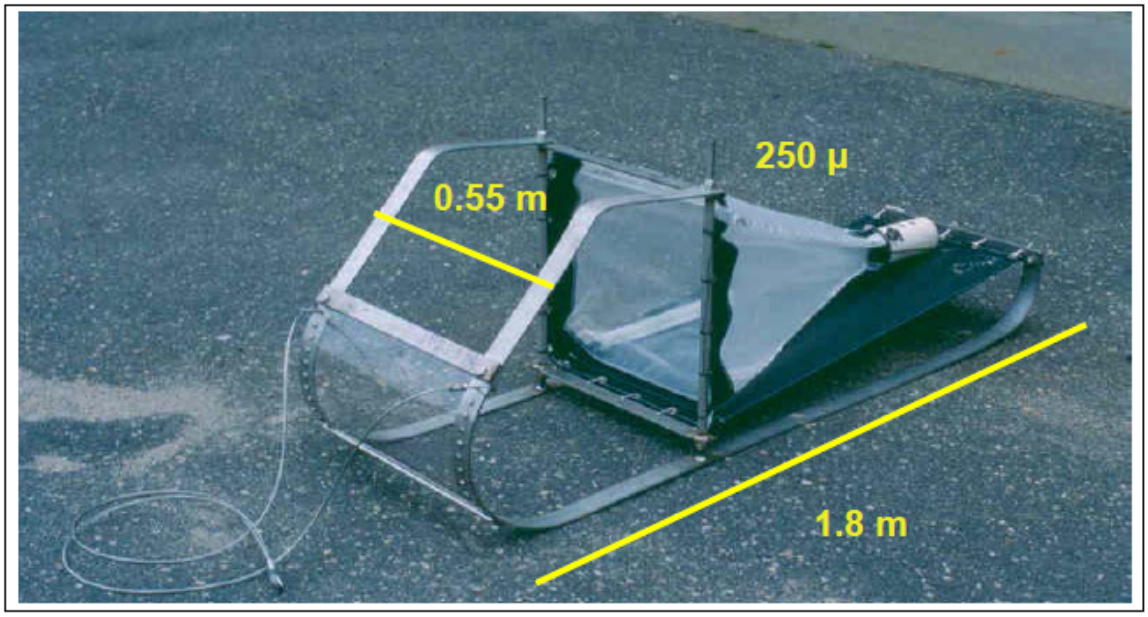

Figure 3. Epibenthic sled to be used for egg surveys (from Schultz et al. 2007).

The time required for winter flounder eggs to hatch is strongly dependent upon water temperature (Pereira et al., 1999). Bigelow and Schroeder (1953) reported that winter flounder eggs required 12-15 days to hatch at water temperatures ranging from 2.8-3.3^{o}C. South of Cape Cod, winter flounder have been observed to spawn between January and May, and peak spawning typically occurs in February and March (Pearcy, 1962; Buckley et al., 1991; Collette and Klein-MacPhee, 2002). Therefore, we propose to conduct epibenthic sled sampling for winter flounder eggs at least bi-weekly between mid-February and May, with subsequent analysis and reporting, followed by annual long-term monitoring. Given the unknown density of eggs in the area, an adaptive sampling approach will be adopted to sample more frequently and provide an adequate number of samples. Conducting this sampling frequently throughout the spawning season will ensure that major spawning events will be sampled adequately.

For sampling methodology, SMAST plans to follow the protocols that Scultz et al. (2007) used to sample winter flounder eggs in New Haven and Milford Harbors. The epibenthic sled will be towed in a straight line, into the direction of the prevailing current. The sled will be towed on the bottom at a speed of approximately 2 knots, for 4-5 minutes. Towing the net in a straight line will ensure that it maintains solid contact with the bottom throughout the tow. During each tow, approximately 800'-1000' of the area will be sampled by the sled. The tow duration is limited, due to the small size of the study area. SMAST plans to conduct 4 standard tows each in the mitigation site and the control sites during each sampling event. Following each tow, the contents of the net will be rinsed into the collection jar at the end of the net, and preserved in a labeled 500mL bottle with 10% formalin for subsequent analysis.

Baseline egg sampling will be conducted either weekly or bi-weekly between February and May, before shallowing of the study site commences in the summer of 2011. Baseline egg surveys will be used to assess whether these areas are currently used as spawning sites by winter flounder. Density (eggs/m^2) will be used to determine if the creation of Essential Fish Habitat in the mitigation site will lead to an increase in spawning activity in future years. Long-term monitoring of eggs will continue in subsequent years to assess the efficacy of the spawning habitat that was created for winter flounder. The monitoring program will generate a time-series of density estimates. Trends in egg density can be assessed to determine if the habitat created during this project has enhanced the spawning activity of winter flounder.

- $H_{Ø}$- There is no difference in the density of winter flounder eggs at the mitigation site before and after mitigation.
- H_A- Density of winter flounder eggs at the mitigation site increased after mitigation.

The spawning stock biomass of winter flounder can vary substantially from year to year (NEFSC, 2008). As a result, the number of eggs produced annually by winter flounder can be highly variable. Therefore, an increase in winter flounder eggs at the mitigation site may be indicative of a higher spawning stock biomass, rather than a relative increase of spawning activity in the area. By measuring long-term egg production at both the mitigation site and the control sites, we can determine whether the spawning habitat created during this project enhanced winter flounder spawning activity. Oceanographic data will also be monitored during egg surveys to help interpret inter-annual variation in spawning seasons and egg densities. If the density of eggs at the mitigation site is consistently greater than the control sites, it would indicate that the creation of this spawning habitat was effective.

- $H_{Ø}$- There is no difference in winter flounder egg density at the mitigation site and the control sites.
- H_A- Density of winter flounder eggs is greater at the mitigation site than at the control sites.

Statistical Analyses

Density of winter flounder eggs will be tested for normality and homogeneity of variance; as most of the data sets fail these tests, an appropriate statistical transformation will be applied before further analysis (Green 1979, Zar 1996). Ideally, the BACI design uses a two-way analysis of variance (two-way ANOVA) where the interaction between site and time is used to statistically detect an impact. However, the two-way ANOVA is only reliable if densities and concentrations in the control and impact areas are equal. This may not be the case, and the statistics involved to deal with inequality are complex and controversial (Black & Miller 1991, 1994; Rangeley 1994). Several researchers have suggested using visual inspection to indicate environmental impacts, while others recommend one-way ANOVAs (Green 1979, Stewart-Oaten et al. 1986, Underwood 1994). If the densities and contaminant concentrations in the among areas are similar but not equal, observed densities will be examined to see if there were shifts that suggested impacts from mitigation, and one-way ANOVAs will be used to test the significance of shifts in mean density or concentration between surveys for each area (Stokesbury & Harris 2006).

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- Associate Professor University of Massachusetts, School for Marine Science and Technology, Fairhaven Massachusetts; June 2010 to present.
- Director, NOAA/UMass Cooperative Marine Education and Research Program School for Marine Science and Technology, New Bedford Massachusetts; September 2005 to June 2010.
- Research Fisheries Biologist Population Dynamics Branch, Northeast Fisheries Science Center, Woods Hole Massachusetts; September 1996 to September 2005.
- Marine Fisheries Biologist Massachusetts Division of Marine Fisheries, Sandwich Massachusetts; January 1988 to September 1996.

SELECTED CONSULTING AND ADVISORY FUNCTIONS

- Chairman, New England Fishery Management Council Science and Statistical Committee, 2008 to present
- U.S. Member, International Council for the Exploration of the Sea, Science Committee, 2009 to present.

SELECTED AWARDS

2009 Joint Ocean Commission Initiative, Marc J. Hershman Excellence in Mentoring Inaugural Award

2004 ICES Merit Award for best presentation on "The use of electronic tags to study fish movement: a case study with yellowtail flounder of New England"

2003 Department of Commerce Bronze Medal Award for scientific advances in restoring New England groundfish stocks.

1998 Department of Commerce Special Service Award for contributions to the Overfishing Definition Review Panel.

1995 Massachusetts Department of Fisheries, Wildlife, and Environmental Law Enforcement "Pride in Performance" Award for stock assessment research on lobster, menhaden and cod.

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APPENDIX 12

NEW BEDFORD MARINE COMMERCE TERMINAL

INVASIVE PLANT MONITORING PLAN

MITIGATION LOCATIONS

October 2012

STATE ENHANCED REMEDY IN NEW BEDFORD, SOUTH TERMINAL

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION

NEW BEDFORD MARINE COMMERCE TERMINAL

INVASIVE PLANT MONITORING PLAN
MITIGATION LOCATIONS

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NEW BEDFORD MARINE COMMERCE TERMINAL

INVASIVE PLANT MONITORING PLAN

1.0 *INTRODUCTION*

The New Bedford Marine Commerce Terminal is the site selected by the Commonwealth of Massachusetts to be one of the primary staging points for future offshore renewable energy projects in New England. Construction of the New Bedford Marine Commerce Terminal involves the extension of an existing marine terminal (South Terminal in New Bedford). The site is located in New Bedford Harbor.

The proposed New Bedford Marine Commerce Terminal is a filled structure adjacent to the shoreline, bounded by sheet piling, capped by crushed stone. It is currently anticipated that clean sand from navigational dredging would be incorporated into the construction of the facility. Approximately 1,200 linear feet of berthing space will be available at the facility.

As part of the construction of the new marine commerce terminal salt marsh mitigation will be constructed at the River's End Park Mitigation Area. In the upland brackish marshland new native species will be planted in numbers, precipitating a control and monitoring regimen of common invasive species to insure the proliferation of these newly planted native species. Prepared by Apex Companies LLC (August 2012).

2.0 *GOALS AND OBJECTIVES*

The biodiversity and natural processes of the early growing phases of the restored areas will be susceptible to infestations of neighboring invasive plants. These invasive plant species, particularly brackish invasive species such as Phragmites australis and other known invasive species (see Attachment: Invasive Plant List) dominant around the periphery of the drainage swale and have a high potential to spread into the restored areas undermining the ecological integrity of restoration

efforts. The removal of invasive species beyond the property boundaries of the restoration area is deemed out of scope for this invasive plant management plan due to adjacent land not being within the control of the Commonwealth. Where possible, invasive removal will take place on the periphery of the restoration area; however, the Commonwealth can not commit to removing invasive species on property not within its control. While removal of all invasive plant species around the periphery of the restoration is not feasible, early detection and prevention of invasive plant species establishments in restored vegetation area and monitoring of existing infestations along the perimeter of the area is the primary objective for this Invasive Plant Management Plan. A unique opportunity exists on the site to proactively detect infestations of invasive plant communities before they become well established thus maintaining a high quality restored native vegetated habitat.

3.0 ***POST-RESTORATION MONITORING***

Post-restoration monitoring will be conducted to gage the success of the restoration and aid in early detection of invasive species introduced into the restored areas. This is done to measure the long term performance of the restoration. Monitoring post-restoration will take place at or after the first growing season following the completed restoration of each phased area, and then annually thereafter at a minimum of 5 years. Early monitoring also serves to provide baseline conditions against which future control options and adaptive invasive plant management techniques can be implemented to eradicate any invasive, exotic or nuisance species from the restoration areas during the annual monitoring period. Post-restoration invasive species monitoring efforts will constitute the following primary objectives:

1. Plant community composition;
2. Species percent cover; and
3. Establishment of invasive plant species.

3.1 Post–Restoration Vegetation Monitoring

In order to document the baseline conditions, four randomly placed permanent one squared meter (1-m^2) vegetation sampling plots will be established within each phased restoration area. These 1-m2 plots will be utilized in following the first growing season. Each year these sampling plots will be utilized to monitor the herbaceous stratum.

A permanent pin (rebar) will be installed in the southeast corner of each plot and marked with marking paint to ensure that sample plots can be easily located during subsequent monitoring. Plot locations will also be marked with a Trimble GEO-XH GPS or other sub-meter accuracy GPS unit. A portable PVC 1-m^2 plot frame will be used to delineate each of the monitoring plots with the corner of the frame placed over the driven plot stake.

At each sample plot, all vegetation present will be identified to species (or to genus or family if species cannot be determined); the percent of the 1-m^2 area covered by each species will also record as an aerial cover class. Photographs of each monitoring plot will also be taken looking from the southeastern pin. Copies of monitoring data sheets and plot photos will be included as an appendix to the baseline monitoring report.

Species dominance will be calculated by summing percent (%) aerial coverage estimates for that species for all plots. From the percent aerial cover estimates, relative dominance and relative frequency for each species present will be calculated using the following formulas (Cox 1996):

$$\text{Relative Dominance} = \frac{\text{Species Dominance}}{\text{Total dominance for all species}} \times 100$$

$$\text{Frequency} = \frac{\text{Number of plots in which a species occurs}}{\text{Total number of plots sampled}}$$

$$\text{Relative Frequency} = \frac{\text{Frequency value of a species} \times 100}{\text{Total of all frequency values}}$$

In addition to the investigation of the 1-m^2 area plots, a more general investigation of the presence of invasive species will also be conducted, which will include both spot checks of random areas for the potential presence of invasive species, and investigations of specific target areas, if non-native or previously unknown native species appear to be present which do not appear to be part of the original planting plan. This investigation will be conducted in a measured way, in order to minimize the potential impact that the investigation itself could have on the mitigation area.

Should invasive species be noted either during the more general investigation or within the permanent plots established to measure species dominance, a survey of the remainder of the

mitigation area will be conducted in order to target those detected species. Occurrences of those species will be noted and the species will be removed via methodology discussed in Section 4.0.

3.2 Schedule

This baseline monitoring as well as post-construction effectiveness monitoring shall be completed during the peak growing season (July or August) when vegetation is in full growth and readily identifiable. The initial (baseline) event will be completed after one full growing season after the completed restoration efforts to each area. This will give seedlings time to be established, and will be more readily identifiable. Following the baseline monitoring, inspections will occur on an annual basis for a minimum of 5 years.

Further monitoring may be required dependent on the success of the mitigation action. Corrective action will be made to the Mitigation Plan if the initial Mitigation Plan proves unsuccessful.

4.0 METHODS OF CONTROL

Control operations will be based upon invasive species present and suited to the actual site conditions. Manual operation of hand removal, or the use of mechanical enhancement, such as handsaws, chainsaws or brush saws will be employed to cut and remove target species, if necessary. This control method will be used when targeted species occur in sensitive areas where herbicide use is prohibited. The use mechanical mowing units may be used to cut tall, dense stands of targeted plant species. This method is typically implemented in areas where the use of chemicals is prohibited or to reduce the heights of dense stands of vegetation to a more efficient and effective treatment height where chemical use can more be appropriately and adequately applied to targeted vegetation.

The use of federally-approved, state, and registered herbicides following guidelines set down by MassDEP may be used to eliminate targeted vegetation. This method is used to eliminate the

targeted plant species through the destruction of the plant's ability to sustain necessary metabolic functions to survive and grow. Herbicide applications will be performed where allowed, to individual shoots. Contractors licensed and certified by the Massachusetts Pesticide Bureau within the Department of Food and Agriculture (MDFA) will apply herbicide applications. Only those herbicides approved by the MDFA and the MassDEP for application in sensitive areas will be used. Sensitive areas include areas within 400 feet of a public ground water supply well, within 100 feet of a public surface water supply, within 50 feet of private water supplies, within 10 feet of surface waters and wetlands, and within agricultural and habitated areas. All other federal, state, and local regulations will also be followed including the Wetlands Protection Act.

The state-listed invasive species Phragmites australis and other known invasive species (see Attachment: Invasive Plant List) are the primary target vegetation species of concern observed on the Marine Commerce Terminal property. Phragmites australis invades wetland/marsh areas, crowding out native vegetation, forming monoculture species stands. Phragmites australis out compete native vegetation spreading rapidly in brackish soils at full maturity due to an extensive fibrous root system and runners. Phragmites australis is known to re-sprout vigorously when cut. A small amount of herbicide can be applied directly to the shoots with a hand-held spray bottle, or hand-operated sprayer. Prior to cutting the Phragmites, if efforts are not made to kill the plants using a herbicide applied to a cut, then preparations should be made anticipating substantial root sucker growth within 60 days of the first growing season after the cut. Controlling the spread of Phragmites australis on the site will promote the success of the planned restoration efforts. Following the implementation of any removal of invasive species, it may be necessary to replant certain areas where remaining vegetation is sparse or bare soil is exposed. This replanting effort should follow the guidelines and planting recommendations developed in this NBMCT INVASIVE PLANT MONITORING PLAN (August 2012).

5.0 **REPORTING**

Following each annual monitoring event, a report outlining field results, actions, recommendations, and conclusions will be generated to document the overall success of the restoration efforts at the site. Monitoring and control of invasive species will continue based on the success of initial restoration actions, if attempts prove unsuccessful the corrective measures will be made to the management plan and successive monitoring will follow.

6.0 LITERATURE CITED

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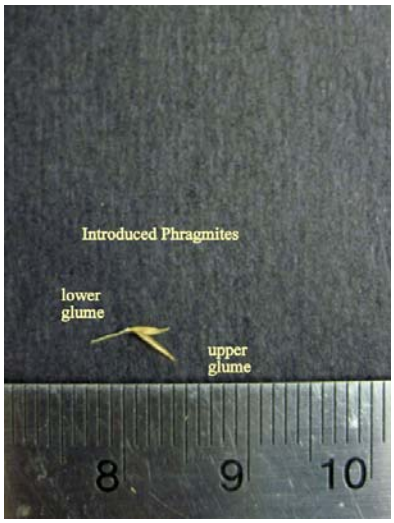
APPENDIX A

PHRAGMITES AUSTRALIS ID SHEET

Phragmites australis

Common reed is a tall, perennial grass that can grow to heights of 15 ft. (4.6 m) or more. Broad, pointed leaves arise from thick, vertical stalks. Leaves are 6-23.6 in. (15-60 cm) long, 0.4-2.4 in. (1-6 cm) wide, flat and glabrous. The flower heads are dense, fluffy, gray or purple in color and 5.9-15.7 in. (15-40 cm) long. Flowering occurs from July to October. Common reed is usually found in dense thickets growing in or near shallow water. These thickets displace native wetlands plants, alter hydrology and block sunlight to the aquatic community. Exotic common reed is native to Eurasia and Africa. Native Phragmites do occur in the United States and they are sometimes very difficult to distinguish from the exotics. (Massachusetts - Noxious Weed Law).



APPENDIX B

The Evaluation of Non-Native Plant Species

for Invasiveness in Massachusetts-List

The Evaluation of Non-Native Plant Species for Invasiveness in Massachusetts

(with annotated list)

Massachusetts Invasive Plant Advisory Group

Partnering Organizations

American Nursery and Landscape Association
Arnold Arboretum of Harvard University
Brewster Conservation Administration
NSTAR Electric
Ecological Landscaping Association
Massachusetts Audubon Society
MA Department of Agricultural Resources
Div. of Regulatory and Consumer Services
MA Department of Conservation & Recreation
Div. of Water Supply Protection
MA Division of Fisheries and Wildlife
Natural Heritage and Endangered Species Program
Massachusetts Natural Heritage & Endangered Species Advisory Committee
Massachusetts Nursery and Landscape Association
New England Nursery Association
New England Wild Flower Society
Northeastern Weed Science Society
Silvio O. Conte National Fish & Wildlife Refuge
The Nature Conservancy
University of Massachusetts Extension Service

Research funded by:

Massachusetts Nursery and Landscape Association

Horticultural Research Institute

Massachusetts Executive Office of Environmental Affairs

Massachusetts Department of Fish and Game, Div. of Fisheries & Wildlife

The Nature Conservancy
SAVING THE LAST GREAT PLACES ON EARTH

Research conducted by:

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University of Connecticut
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Coordination provided by:

Silvio O. Conte National Fish & Wildlife Refuge with funding from the National Fish & Wildlife Foundation, U.S. Department of Agriculture and U.S. Fish & Wildlife Service

Update: April 1, 2005

For most recent update, visit www.mnla.com or www.newfs.org

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Purpose and organizing principles of the Massachusetts Invasive Plant Advisory Group (MIPAG)

Formerly known as the Massachusetts Invasive Plant Group, the Massachusetts Invasive Plant Advisory Group (MIPAG) was formed in 1999 by the Ad Hoc Native Plant Advisory Committee to begin addressing the invasive plant issue in Massachusetts. The Executive Office of Environmental Affairs recognized it as part of the Massachusetts Council on Invasive Species. This Council was intended to serve as a coordinating mechanism for the various invasive species management activities undertaken by state agencies, federal agencies, and private organizations.

The Massachusetts Invasive Plant Advisory Group is a voluntary collaboration between public and private organizations concerned about the problem of invasive plants in Massachusetts. Eighteen entities are represented including state and federal governmental agencies in fish and wildlife, agriculture, and natural resources; the horticulture industry; academic science institutions; land management and nonprofit conservation organizations. Its members affirm their commitment to working within their individual organizations to substantially address the impact of species determined by scientific criteria to be Invasive, Likely Invasive, or Potentially Invasive in the Commonwealth of Massachusetts.

The first order of business of the MIPAG has been to determine which plant species are invasive in Massachusetts. With the assistance of Dr. Leslie Mehrhoff of the University of Connecticut, the group adopted a definition and set of biologically based criteria upon which to objectively evaluate plants suspected to be invasive in the state. The group contracted with Dr. Mehrhoff to gather existing data about these species and help the group assess which are currently invasive and which have the potential to become problematic in Massachusetts.

Findings from plant evaluations of 85 species (conducted in two phases) include an annotated list of Invasive, Likely Invasive, and Potentially Invasive species. The annotated list, as well as information about the evaluation process, definitions and criteria, and group member composition, are contained within this document and can also be found online at *www.mnla.com* and *www.newfs.org*. Also included on the annotated list are species that were considered but for which sufficient information or evidence is currently lacking for an adequate evaluation.

The MIPAG makes all its important decisions at its scheduled meetings by voting. In certain instances, representatives of the same member organization voluntarily share a vote and alternate their attendance. Quorum for any meeting must be 2/3 of the voting membership (currently 12), and any decision must pass by a 2/3 majority of members present. The only exception is when a vote is taken at a meeting to determine the status of a species under assessment by MIPAG criteria for invasiveness in Massachusetts. In this case, all voting members have the right to vote, with those absent from the meeting having not more than two additional weeks after the initial vote to submit their votes to the MIPAG recorder. Only one vote per organization is allowed. Agreed by quorum on 6/12/2002, "a 2/3 majority will be calculated only using affirmative and negative votes cast. Abstentions will not be included."

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Massachusetts Criteria for Evaluating Non-Native Plant Species for Invasiveness

(THESE CRITERIA HAVE NO OFFICIAL STATUS FOR MASSACHUSETTS)

The Massachusetts Invasive Plant Advisory Group (MIPAG) defines invasive plants as *"non-native species that have spread into native or minimally managed plant systems in Massachusetts. These plants cause economic or environmental harm by developing self-sustaining populations and becoming dominant and/or disruptive to those systems.* As defined here, "species" includes all synonyms, subspecies, varieties, forms, and cultivars of that species unless proven otherwise by a process of scientific evaluation.

The following criteria are being used to objectively evaluate and categorize plant species suspected of being, or with the potential to become, invasive in Massachusetts. They were developed by the George Safford Torrey Herbarium at the University of Connecticut and a subcommittee of the Massachusetts Invasive Plant Group representing science, nursery, and conservation professionals.

The criteria enable the separation of plants into the following categories:

- *Invasive Plants in Massachusetts*
- *Likely Invasive Plants in Massachusetts*
- *Potentially Invasive Plants in Massachusetts (species not currently known to be naturalized in Massachusetts, but that can be expected to become invasive within minimally managed habitats within the Commonwealth)*

For a species to be included on the list of species determined to be **Invasive, Likely Invasive or Potentially Invasive** in Massachusetts, it must be substantiated by scientific investigation (including herbarium specimens, peer-reviewed papers, published records and other data available for public review) to meet specific criteria**.** The process of reviewing individual plant species for their invasiveness in Massachusetts is ongoing and may result in a change in status pending new data and further review.

Tabular summary of criteria to be met

	Criteria that must be met
Base criteria	1-4
Invasive	1-9
Likely Invasive	1-5, at least one of 6-9, at least one of 10-12
Potentially Invasive	1-4, (not 5), 13-15

For a species to be designated as "INVASIVE", "LIKELY INVASIVE" or "POTENTIALLY INVASIVE" it must to meet certain base criteria (#1-4 below). The species must:

1. Be nonindigenous to Massachusetts.
2. Have the biologic potential for rapid and widespread dispersion and establishment in minimally managed habitats.
3. Have the biologic potential for dispersing over spatial gaps away from site of introduction.
4. Have the biologic potential for existing in high numbers away from intensively managed artificial habitats.

If a species does not meet all four of the previous criteria, stop here. The species cannot be listed at this time. If a species meets all four, go on to #5.

5. Be naturalized in Massachusetts (persists without cultivation in Massachusetts)

If a species meets Criteria 1-4 and Criterion 5, it may be considered "INVASIVE " or "LIKELY INVASIVE" in Massachusetts. Go to Criteria 6-9.

If it does <u>not</u> meet Criterion 5, it may be considered "POTENTIALLY INVASIVE" if it meets Criteria 13-15.

6. Be widespread in Massachusetts**,** or at least common in a region or habitat type(s) in the state.
7. Have many occurrences of numerous individuals in Massachusetts that have high numbers of individuals forming dense stands in minimally managed habitats
8. Be able to out-compete other species in the same natural plant community.
9. Have the potential for rapid growth, high seed or propagule production and dissemination, and establishment in natural plant communities.

If a species meet the initial five Criteria and Criteria 6-9 it may be considered a "INVASIVE" species in Massachusetts.

If a species meets the initial five Criteria, but does not meet all of Criteria 6-9 at this time, it may be considered a "LIKELY INVASIVE" species in Massachusetts if in addition it meets at least one of the following three Criteria (#10-12).

10. Have at least one occurrence in Massachusetts that has high numbers of individuals forming dense stands in minimally managed habitats
11. Have the potential, based on its biology and its colonization history in the northeast or elsewhere, to become invasive in Massachusetts.
12. Be acknowledged to be invasive in nearby states but its status in Massachusetts is unknown or unclear. This may result from lack of field experience with the species or from difficulty in species determination or taxonomy.

If the species meets the basic criteria for invasiveness (Criteria 1-4) but is not naturalized in Massachusetts (Criterion 5), the species may be considered "POTENTIALLY INVASIVE" in Massachusetts if it meets the following three criteria (#13-15):

13. The species, if it becomes naturalized in Massachusetts, based on its biology and biological potential, would pose an imminent threat to the biodiversity of Massachusetts **and**
14. Its naturalization in Massachusetts is anticipated, **and**
15. The species has a documented history of invasiveness in other areas of the Northeast.

DEFINITIONS TO ACCOMPANY "CRITERIA FOR EVALUATING NON-NATIVE PLANT SPECIES FOR INVASIVENESS IN MASSACHUSETTS"

Biologic potential - The ability of a species to increase its number, either sexually and/or asexually.

Invasive plants – Non-native species that have spread into native or minimally managed plant systems in Massachusetts. These plants cause economic or environmental harm by developing self-sustaining populations and becoming dominant and/or disruptive to those systems. *As defined here, "species" includes all synonyms, subspecies, varieties, forms, and cultivars of that species unless proven otherwise by a process of scientific evaluation.*

Indigenous species - otherwise A species that occurs natively in Massachusetts. Indigenous species often have a pre-colonial presence (pre 1500) or have arrived in the region more recently without the aid of human intervention. Synonymous with native species.

Intensively managed habitats - Intensively managed habitats are habitats or land systems where management efforts and investments of time, money and labor occur frequently. Examples include manicured lawns, landscaped grounds, gardens, roadsides or agricultural lands for crops or livestock.

Likely Invasive plants – non-native species that are naturalized in Massachusetts but do not meet the full criteria that would trigger an "Invasive plant" designation.

Minimally managed habitats - Minimally managed habitats are habitats where management efforts and investments of time, money and labor are infrequent or non-existent. These habitats may have been intensively managed for anthropogenic reasons at one time in their history. In some instances, management may be more intense but management is done for conservation purposes and is primarily aimed at preserving elements of biological diversity such as imperiled species or critical natural communities. Minimally managed habitats are similar to "natural areas" but the distinction is made in order to remove bias, misconceptions or ambiguities that surround the term "natural area".

Non-indigenous species - A species that is not native or naturally occurring (based on its biology, phylogeny, distribution and current knowledge about the species) within Massachusetts. A species may be indigenous to North America but non-indigenous in Massachusetts. Synonymous with non-native species.

Naturalized species - A non-indigenous taxon that occurs without the aid and benefits of cultivation in Massachusetts. Further, it implies two biological points: it freely and regularly reproduces in the wild, sexually or asexually, and occurrences persist over time.

Natural plant community - A natural plant community is an association or assemblage of plant species that repeatedly occur together in reoccurring patterns in a specific type of habitat. This assemblage can be characterized by dominant species and biological properties. A natural plant community implies a minimally managed situation where all or most of the species that make up the assemblage are indigenous to the defined area.

Occurrence – Existing example of a species on the landscape.

Potentially invasive plants – Non-native species not currently known to be naturalized in Massachusetts, but that can be expected to become invasive within minimally managed habitats within the Commonwealth.

Spatial gaps - This term is used in reference to the ability of a species to disperse away from existing occurrences. The concept of crossing spatial gaps is used to distinguish those species that can disperse over discontinuities and become established elsewhere from species that spread across a habitat only by continual, uninterrupted growth.

Invasive, Likely Invasive, and Potentially Invasive Plants in Massachusetts: Findings from the Assessment Process by the Massachusetts Invasive Plant Advisory Group

Plants voted as: INVASIVE

"Invasive plants" are non-native species that have spread into native or minimally managed plant systems in Massachusetts. These plants cause economic or environmental harm by developing self-sustaining populations and becoming dominant and/or disruptive to those systems. As defined here, "species" includes all synonyms, subspecies, varieties, forms, and cultivars of that species unless proven otherwise by a process of scientific evaluation.

Acer platanoides L. **(Norway maple)**
A tree occurring in all regions of the state in upland and wetland habitats, and especially common in woodlands with colluvial soils. It grows in full sun to full shade. Escapes from cultivation; can form dense stands; out-competes native vegetation, including sugar maple; dispersed by water, wind and vehicles.

Acer pseudoplatanus L. **(Sycamore maple)**
A tree occurring mostly in southeastern counties of Massachusetts, primarily in woodlands and especially near the coast. It grows in full sun to partial shade. Escapes from cultivation inland as well as along the coast; salt-spray tolerant; dispersed by wind, water and vehicles.

Aegopodium podagraria L. **(Bishop's goutweed; bishop's weed; goutweed)**
A perennial herb occurring in all regions of the state in uplands and wetlands. Grows in full sun to full shade. Escapes from cultivation; spreads aggressively by roots; forms dense colonies in flood plains.

Ailanthus altissima (P. Miller) Swingle **(Tree of heaven)**
This tree occurs in all regions of the state in upland, wetland, & coastal habitats. Grows in full sun to full shade. Spreads aggressively from root suckers, especially in disturbed areas.

Alliaria petiolata (Bieb.) Cavara & Grande **(Garlic mustard)**
Synonym: *Alliaria officinalis* Andrz. Ex Bieb.
A biennial herb occuring in all regions of the state in uplands. Grows in full sun to full shade. Spreads aggressively by seed, especially in wooded areas.

Berberis thunbergii DC. **(Japanese barberry)**
A shrub occuring in all regions of the state in open and wooded uplands and wetlands. Grows in full sun to full shade. Escaping from cultivation; spread by birds; forms dense stands.

Cabomba caroliniana A.Gray **(Carolina fanwort; fanwort)**
A perennial herb occuring in all regions of the state in aquatic habitats. Common in the aquarium trade; chokes waterways.

Celastrus orbiculatus Thunb. **(Oriental bittersweet; Asian or Asiatic bittersweet)**
A perennial vine occuring in all regions of the state in uplands. Grows in full sun to partial shade. Escaping from cultivation; berries spread by birds and humans; overwhelms and kills vegetation.

Plants voted as: INVASIVE *(continued)*

Cynanchum louiseae Kartesz & Gandhi **(Black swallow-wort, Louise's swallow-wort)**
Synonyms: *Cynanchum nigrum* (L.) Pers. non Cav.; *Vincetoxicum nigrum* (L.) Moench
A perennial vine occurring in all regions of the state in upland, wetland, and coastal habitats. Grows in full sun to partial shade. Forms dense stands, out-competing native species: deadly to Monarch butterflies.

Elaeagnus umbellata Thunb. **(Autumn olive)**
A shrub occurring in uplands in all regions of the state. Grows in full sun. Escaping from cultivation; berries spread by birds; aggressive in open areas; has the ability to change soil.

Euonymus alatus (Thunb.) Sieb. (**Winged euonymus; Burning bush)**
A shrub occurring in all regions of the state and capable of germinating prolifically in many different habitats. It grows in full sun to full shade. Escaping from cultivation and can form dense thickets and dominate the understory; seeds are dispersed by birds.

Euphorbia esula L. **(Leafy spurge; wolf's milk)**
A perennial herb occurring in all regions of the state in grasslands and coastal habitats. Grows in full sun. An aggressive herbaceous perennial and a notable problem in western USA.

Frangula alnus P. Mill. **(European buckthorn; glossy buckthorn)**
Synonyms: *Rhamnus frangula* L.; *R. frangula* var. *angustifolia* Loud.
Shrub or tree occurring in all regions of the state in upland, wetland, and coastal habitats. Grows in full sun to full shade. Produces fruit throughout the growing season; grows in multiple habitats; forms thickets.

Glaucium flavum Crantz **(Sea or horned poppy; yellow hornpoppy)**
A biennial and perennial herb occurring in southeastern MA in coastal habitats. Grows in full sun. Seeds float; spreads along rocky beaches; primarily Cape Cod and Islands.

Hesperis matronalis L. **(Dame's rocket)**
A biennial and perennial herb occurring in all regions of the state in upland and wetland habitats. Grows in full sun to full shade. Spreads by seed; can form dense stands, particularly in flood plains.

Iris pseudacorus L. **(Yellow iris)**
A perennial herb occurring in all regions of the state in wetland habitats, primarily in flood plains. Grows in full sun to partial shade. Out-competes native plant communities.

Lepidium latifolium L. **(Broad-leaved pepperweed; tall pepperweed)**
A perennial herb occurring in eastern and southeastern regions of the state in coastal habitats. Grows in full sun. Primarily coastal at upper edge of wetlands; also found in disturbed areas; salt tolerant.

Lonicera japonica Thunb. **(Japanese honeysuckle)**
A perennial vine occurring in all regions of the state in upland, wetland, and coastal habitats. Grows in full sun to full shade. Rapidly growing, dense stands climb and overwhelm native vegetation; produces many seeds that are bird dispersed; more common in southeastern Massachusetts.

Lonicera morrowii A.Gray **(Morrow's honeysuckle)**A shrub occurring in all regions of the state in upland, wetland, and coastal habitats. Grows in full sun to full shade. Part of a confusing hybrid complex of nonnative honeysuckles commonly planted and escaping from cultivation via bird dispersal.

Plants voted as: INVASIVE *(continued)*

Lonicera x bella Zabel [*morrowii* x *tatarica*] **(Bell's honeysuckle)**
This shrub occurs in all regions of the state in upland, wetland, and coastal habitats. Grows in full sun to full shade. Part of a confusing hybrid complex of nonnative honeysuckles commonly planted and escaping from cultivation via bird dispersal.

Lysimachia nummularia L. **(Creeping jenny; moneywort)**
A perennial herb occurring in all regions of the state in upland and wetland habitats. Grows in full sun to full shade. Escaping from cultivation; problematic in flood plains, forests and wetlands; forms dense mats.

Lythrum salicaria L. **(Purple loosestrife)**
A perennial herb or subshrub occurring in all regions of the state in upland and wetland habitats. Grows in full sun to partial shade. Escaping from cultivation; overtakes wetlands; high seed production and longevity.

Myriophyllum heterophyllum Michx. **(Variable water-milfoil; Two-leaved water-milfoil)**
A perennial herb occurring in all regions of the state in aquatic habitats. Chokes waterways, spread by humans and possibly birds.

Myriophyllum spicatum L. **(Eurasian or European water-milfoil; spike water-milfoil)**
A perennial herb found in all regions of the state in aquatic habitats. Chokes waterways, spread by humans and possibly birds.

Phalaris arundinacea L. **(Reed canary-grass)**
This perennial grass occurs in all regions of the state in wetlands and open uplands. Grows in full sun to partial shade. Can form huge colonies and overwhelm wetlands; flourishes in disturbed areas; native and introduced strains; common in agricultural settings and in forage crops.

Phragmites australis (Cav.) Trin. ex Steud. subsp. **australis (Common reed)**
A perennial grass (USDA lists as subshrub, shrub) found in all regions of the state. Grows in upland and wetland habitats in full sun to full shade. Overwhelms wetlands forming huge, dense stands; flourishes in disturbed areas; native and introduced strains.

Polygonum cuspidatum Sieb. & Zucc. **(Japanese knotweed; Japanese or Mexican Bamboo)**
Synonym: *Fallopia japonica* (Houtt.) Dcne.; *Reynoutria japonica* Houtt.
A perennial herbaceous subshrub or shrub occurring in all regions of the state in upland, wetland, and coastal habitats. Grows in full sun to full shade, but hardier in full sun. Spreads vegetatively and by seed; forms dense thickets.

Potamogeton crispus L. **(Crisped pondweed; curly pondweed)**
A perennial herb occurring in all regions of the state in aquatic habitats. Forms dense mats in the spring and persists vegetatively.

Ranunculus ficaria L. **(Lesser celandine; fig buttercup)**
A perennial herb occurring on stream banks, and in lowland and uplands woods in all regions of the state. Grows in full sun to full shade. Propagates vegetatively and by seed; forms dense stands especially in riparian woodlands; an ephemeral that outcompetes native spring wildflowers.

Rhamnus cathartica L. **(Common buckthorn)**
A shrub or tree occurring in all regions of the state in upland and wetland habitats. Grows in full sun to full shade. Produces fruit in fall; grows in multiple habitats; forms dense thickets.

Plants voted as: INVASIVE *(continued)*

Robinia pseudoacacia L. **(Black locust)**
A tree that occurs in all regions of the state in upland habitats. Grows in full sun to full shade. While the species is native to central portions of Eastern North America, it is not indigenous to Massachusetts. It has been planted throughout the state since the 1700's and is now widely naturalized. It behaves as an invasive species in areas with sandy soils.

Rosa multiflora Thunb. **(Multiflora rose)**
A perennial vine or shrub occurring in all regions of the state in upland, wetland and coastal habitats. Grows in full sun to full shade. Forms impenetrable thorny thickets that can overwhelm other vegetation; bird dispersed.

Trapa natans L. **(Water-chestnut)**
An annual herb occurring in the western, central, and eastern regions of the state in aquatic habitats. Forms dense floating mats on water.

Plants votes as: LIKELY INVASIVE

"Likely Invasive plants" are non-native species that are naturalized in Massachusetts but do not meet the full criteria that would trigger an "Invasive plant" designation. As defined here, "species" includes all synonyms, subspecies, varieties, forms, and cultivars of that species unless proven otherwise by a process of scientific evaluation.

Ampelopsis brevipedunculata (Maxim.) Trautv. **(Porcelain-berry; Amur peppervine)**
A woody vine found primarily in southeastern counties of Massachusetts but known from some western counties as well. Occurs in upland woodland edges and thickets and grows in full sun to partial shade. Escapes from cultivation and is bird dispersed.

Anthriscus sylvestris (L.) Hoffmann **(Wild chervil)**
Synonym: *Chaerophyllum sylvestre* L.
A biennial or short-lived perennial herb with a few reported sites in minimally managed habitats scattered across the state. It occurs in old fields, wetlands, roadsides and proliferates in floodplain soils. Grows in full sun to partial shade. It has a very long taproot and is reported to be spreading in Vermont and Connecticut.

Berberis vulgaris L**. (Common barberry; European barberry)**
A shrub occurring in all regions of the state, primarily in uplands. It grows in full sun to full shade. The potential of this plant to spread is high; once common but widely eradicated because it is an alternate host for wheat rust; it hybridizes with Japanese barberry.

Cardamine impatiens L. **(Bushy rock-cress; narrowleaf bittercress)**
A winter annual or biennial herb found in western Massachusetts occurring in rich woods, rocky ledges, roadsides, and stream banks. It grows in full sun to full shade. Disperses seeds easily and is spreading rapidly in other parts of New England.

Centaurea biebersteinii DC. **(Spotted knapweed)**
Synonym: *Centaurea maculosa* auct. non Lam.
A biennial or perennial herb occurring in all regions of the state in upland and coastal habitats. Grows in full sun. Aggressively grows in well-drained, disturbed soils; serious problem in western states where it out-competes native grassland species, literature reports are currently lacking for this in the northeast.

Plants voted as: LIKELY INVASIVE *(continued)*

Cynanchum rossicum (Kleopov) Borhidi **(European swallow-wort; pale swallow-wort)**
Synonym: *Vincetoxicum rossicum* (Kleopov) Barbarich
A perennial herb occurring in the western region of the state in upland habitats. Grows in full sun to partial shade. Forms dense stands; found primarily in the lower Connecticut River Valley.

Egeria densa Planchon **(Brazilian waterweed; Brazilian elodea)**
Synonyms: *Anacharis densa* (Planch.) Victorin; *Elodea densa* (Planch.) Caspary
A perennial herb occurring in the eastern and southeastern regions of the state in aquatic habitats. Common in the aquarium trade; chokes waterways; currently only found in a few MA ponds.

Epilobium hirsutum L. **(Hairy willow-herb; Codlins and cream)**
A perennial herb occurring in all regions of the state in wetlands. Grows in full sun. Seeds dispersed by wind and water; evidence currently lacking that this species out- competes other vegetation in minimally managed habitats.

Euphorbia cyparissias L. **(Cypress spurge)**
A perennial herb occurring in all regions of the state in upland habitats. Grows in full sun. Persists in open areas; evidence currently lacking that this species out-competes other vegetation in minimally managed habitats.

Festuca filiformis Pourret **(Hair fescue; fineleaf sheep fescue)**
A perennial grass occurring in all regions of the state, in grasslands and open woodlands. Grows in full sun to partial shade. Common in minimally managed grassland habitats; more data needed on its ability to outcompete native species.

Glyceria maxima (Hartman) Holmburg **(Tall mannagrass; reed mannagrass)**
A perennial grass currently known from one marsh in Essex County. Grows in full sun to partial shade. Spreads vegetatively and produces viable seeds; forms dense stands.

Heracleum mantegazzianum Sommier & Levier **(Giant hogweed)**
A perennial herb occurring in scattered sites across all regions of the state; thrives in multiple habitats. Grows in full sun to full shade. Escapes from cultivation; seeds can be dispersed by water; can cause severe skin reactions.

Humulus japonicus Sieb. & Zucc. **(Japanese hops)**
An annual herbaceous vine with current records in western MA, but historical records from all regions of the state. Grows in floodplain forests and riverbanks in full sun to partial shade. Escapes from cultivation; capable of prolific growth.

Hydrilla verticillata (L.f.) Royle **(Hydrilla; water-thyme; Florida elodea)**
A perennial aquatic herb occurring in the southeastern region of the state. Only found in one MA pond currently (2004); easily dispersed by birds and humans; chokes entire water bodies.

Ligustrum obtusifolium Sieb. & Zucc. **(Border privet)**
A shrub occurring in all regions of the state in woodlands and woodland edges. Grows in full sun to full shade. Widespread and shade tolerant, bird dispersed; more data needed on density and distribution; flowers are needed to identify species.

Lonicera tatarica L. **(Tatarian honeysuckle)**
A shrub found from Boston westward in thickets, woods, and edges of woods. Can grow in full sun to full shade. Commonly confused with other non-native honeysuckles; crosses with Morrow's honeysuckle *(L. morrowii)* to produce the invasive hybrid Belle's honeysuckle *(L.* x*bella)*.

Plants voted as: LIKELY INVASIVE *(continued)*

Microstegium vimineum (Trin.) A. Camus **(Japanese stilt grass; Nepalese browntop)**
An annual grass occurring in the western region of the state in upland and wetland habitats. Grows in full sun to full shade. Forms dense stands; currently localized in the lower Connecticut River Valley; spreads in flood plains.

Miscanthus sacchariflorus (Maxim.) Franch. **(Plume grass; Amur silvergrass)**
This perennial grass is currently known to occur in central MA in wetland margins and roadsides. Grows in full sun. Spreads by rhizomes and develops dense stands along roadsides and adjacent native habitats.

Myosotis scorpioides L. **(Forget-me-not)**
A perennial herb occurring in all regions of the state in wetlands. Grows in full sun to full shade. Escaping from cultivation; prolific in open wooded streams, stream-banks and wet meadows; evidence about its persistence is needed.

Myriophyllum aquaticum (Vell.) Verdc. **(Parrot-feather; water-feather; Brazilian watermilfoil)**
Synonym: *Myriophyllum brasiliense* Camb.
A perennial herbaceous aquatic occurring in southeastern MA along a shallow pond edge.
Grows in full sun to partial shade. Reproduces from fragments; commonly used in the water garden trade.

Najas minor All. **(Brittle water-nymph; lesser naiad)**
An annual herb occurring in the western region of the state in aquatic habitats. Chokes waterways; spread by humans and possibly birds; currently found only in Berkshire County (2002).

Nymphoides peltata (Gmel.) Kuntze **(Yellow floating heart)**
This aquatic perennial occurs in ponds in central MA. Grows in full sun to partial shade. Can create a dense floating mat on ponds and can reproduce from fragments.

Phellodendron amurense Rupr. (sensu lato) **(Amur cork-tree)**
Synonyms: *Phellodendron japonicum* Maxim.; *Phellodendron amurense* var. japonicum (Maxim.) Ohwi; *Phellodendron sachalinense* (F. Schmidt) Sarg.; *Phellodendron amurense* var. sachalinense F. Schmidt; *Phellodendron lavallei* Dode; *Phellodendron amurense* var. lavallei (Dode) Sprague
This tree occurs in uplands of eastern to central MA. Grows in full sun to full shade. A bird dispersed species that has escaped cultivation.

Pueraria montana (Lour.) Merrill **(Kudzu; Japanese arrowroot)**
Synonym: *Pueraria montana* var. *lobata* (Willd.) Maesen & S. Almeida
A perennial herbaceous vine found in southeastern MA. Occurs at Arnold Arboretum; uplands. Grows in full sun to partial shade. Present in MA and subject to control; marginally hardy in MA but has the potential to invade minimally-managed areas based on its performance elsewhere.

Ranunculus repens L. **(Creeping buttercup)**
A perennial herb occurring in all regions of the state in wetlands. Grows in full sun to full shade. Common around springs and wetlands; evidence currently lacking that this species out- competes other vegetation in minimally managed habitats.

Rorippa amphibia (L.) Bess. **(Water yellowcress; great yellowcress)**
Synonyms: *Nasturtium amphibium* (L.) Ait. f.; *Sisymbrium amphibium* L.
A perennial herb occurring in central MA. Grows in wetlands in full sun to partial shade. Common and increasing in central MA river drainages; a major threat to riparian habitats forming dense stands at some locations.

Plants voted as: LIKELY INVASIVE *(continued)*

Rubus phoenicolasius Maxim**. (Wineberry; Japanese wineberry; wine raspberry)**
A shrub found in uplands of southern MA. Can grow in full sun to partial shade.
Animal and human dispersed; forms thickets.

Senecio jacobaea L. **(Tansy ragwort; stinking Willie)**
A biennial herb occurring in a few sites east of the Connecticut River; habitat is open uplands. Grows in sun or partial shade. This species is highly invasive in the Canadian Maritimes; may also spread from disturbed areas.

Tussilago farfara L. **(Coltsfoot)**
A perennial herb occurring in all regions of the state in upland and wetland habitats. Grows in full sun to full shade. Particularly problematic in lime seeps and disturbed sites; evidence currently lacking that this species out-competes other vegetation in minimally managed habitats.

Plants voted as: POTENTIALLY INVASIVE

"Potentially invasive plants" are non-native species not currently known to be naturalized in Massachusetts, but that can be expected to become invasive within minimally managed habitats within the Commonwealth. As defined here, "species" includes all synonyms, subspecies, varieties, forms, and cultivars of that species unless proven otherwise by a process of scientific evaluation.

Arthraxon hispidus (Thunb.) Makino (**Hairy joint grass; jointhead; small carpetgrass)**
An annual grass historically known from Franklin County but not currently known from the state. Habitats elsewhere include roadsides, shores, ditches, and low woods and fields. Grows in full to partial shade. Is problematic in Connecticut and southward.

Carex kobomugi Ohwi **(Japanese sedge; Asiatic sand sedge)**
A perennial sedge established mainly in sand dunes and growing in full sun. There is only one current New England location--in Rhode Island; it can spread rapidly in dune systems.

Lonicera maackii (Rupr.) Herder **(Amur honeysuckle)**
A shrub having specimens and reports from a number of MA counties, but verification of naturalization at these locations is needed. The likely habitats are woods and woodland edges. Can grow in full sun or shade. Escapes from cultivation, but documentation needed regarding naturalized populations in MA; recognized as invasive in the Midwest and portions of the southeastern USA.

Polygonum perfoliatum L. **(Mile-a-minute vine or weed; Asiatic tearthumb)**
Synonym: *Ampelygonum perfoliatum* (L.) Roberty & Vautier
This annual herbaceous vine is not currently known to exist in MA, but has been found in RI and CT. Habitats include streamside, fields, and road edges in full sun to partial shade. Highly aggressive; bird and human dispersed.

EVALUATED PLANTS NOT MEETING CRITERIA
(Do not list at this time)

The following plants were evaluated for invasiveness by the Massachusetts Invasive Plant Advisory Group. They did not meet the necessary criteria to list them as Invasive, Likely Invasive or Potentially Invasive at the time of evaluation.

Actinidia arguta (Sieb. & Zucc.) Planchon ex Miq. (**Hardy kiwi; tara vine)**
A woody vine that is dioecious (i.e., with male and female flowers on separate individuals). It grows in full sun to partial shade. Can form dense stands; evidence needed to evaluate its reproductive ability and potential to establish new populations away from cultivation.

Akebia quinata (Houtt.) Dcne. (**Five-leaved Akebia; chocolate vine)**
A woody vine that grows in full sun to full shade. Can form dense stands; evidence needed to evaluate its reproductive ability and potential for establishment away from cultivation.

Catalpa speciosa (Warder) Warder ex Engelm. (**Northern catalpa)**
A tree that grows in full sun to partial shade. Preliminary data suggest that this species could be invasive in floodplain forests; more data is needed on its ability to out compete native species.

Cytisus scoparius (L.) Link (**Scotch broom; English broom)**
A shrub that grows in full sun to partial shade. Current evidence does not show that it is spreading rapidly from cultivation and out competing native species in Massachusetts.

Elaeagnus angustifolia L. (**Russian olive)**
A small tree or shrub that grows in full sun to full shade. Not currently known from minimally managed habitats in Massachusetts; invasive elsewhere in the United States; commonly confused with autumn olive (*Elaeagnus umbellata*).

Festuca ovina L. (**Sheep fescue)**
A perennial grass that grows in full sun. More data needed on its ability to outcompete native species in minimally managed habitats.

Ligustrum ovalifolium Hassk. **(California privet)**
Shrub. Because of the difficulty in identifying privet species and the current lack of data, we have chosen not to rank most privets; further research is needed in identification and invasiveness.

Ligustrum sinense Lour. **(Chinese privet)**
A shrub that can tolerate full sun or shade. Because of the difficulty in identifying privet species and the current lack of data, we have chosen not to rank most privets; further research is needed on identification and invasiveness.

Ligustrum vulgare L. **(European privet)**
Shrub. Because of the difficulty in identifying privet species and the current lack of data, we have chosen not to rank most privets; further research is needed in identification and invasiveness.

Lonicera xylosteum L. **(Dwarf honeysuckle)**
Shrub. Reports of naturalized occurrences need verification in MA.

Miscanthus sinensis Anderss. **(Eulalia; Chinese silvergrass)**
A perennial grass that grows in full sun. More data needed for minimally managed habitats.

EVALUATED PLANTS NOT MEETING CRITERIA *(continued)*

Morus alba L. **(White mulberry)**
A tree that grows in full sun to partial shade. Reports of naturalized occurrences and invasiveness need verification in MA.

Polygonum sachalinense F. Schmidt ex Maxim. **(Giant knotweed)**
Synonyms: *Fallopia sachalinensis* (F. Schmidt ex Maxim.) Dcne.;
Reynoutria sachalinensis (F. Schmidt ex Maxim.) Nakai
A perennial herb that grows in full sun. Data needed on occurrences in minimally managed areas in MA; highly invasive in the maritime provinces of Canada.

Populus alba L. **(White poplar)**
A tree that grows in full sun. Data needed on occurrences in minimally managed areas.

Rorippa microphylla (Boenn. ex Reichenb.) Hyland ex A. & D. Löve **(Watercress; onerow yellowcress)**
Synonym: *Nasturtium microphyllum* Boenn. Ex Reichenb.
A perennial aquatic that grows in full sun to partial shade. There is difficulty in separating this species from *Rorippa nasturtium-aquaticum*; more data needed on its current status on the landscape and its impact on minimally managed habitats.

Rorippa nasturtium-aquaticum (L.) Hayek **(Watercress)**
Synonym: *Nasturtium officinale* Ait. f.
A perennial aquatic that grows in full sun to partial shade. There is difficulty in separating this species from *Rorippa microphylla*; more data needed on its current status on the landscape and its impact on minimally managed habitats.

Rosa rugosa Thunb. **(Japanese rose; rugosa rose)**
A shrub that grows in full sun. This is a widely planted urban & coastal plant; listing it as Invasive or Likely Invasive does not accurately reflect all the properties of this plant; there are no data at this time to suggest that this species is disruptive to native plant habitats in MA.

Sedum telephium L. ssp. telephium **(Live-forever; orpine; witch's moneybags)**
A perennial herb that can grow in full sun to shade. More data needed on taxonomy, nomenclature, and occurrences in minimally managed areas.

Verbascum thapsus L. **(Common mullein; flannel mullein; velvet plant)**
A biennial herb that grows in full sun. Although MIPAG does not feel this species meets the criteria for listing at this time, its occurrence in critical habitats (especially limestone cliff communities) is of concern; species has not been proven to have outcompeting qualities; more data needed on this species and the very similar *Verbascum phlomoides*, including taxonomy, persistence, and their impact on minimally managed habitats.

Species Reviewed (Phases I and II): Listed Alphabetically

Species	Common name	Category
Aegopodium podagraria	Bishop's goutweed; bishop's weed; goutweed	Invasive
Acer platanoides	Norway maple	Invasive
Acer pseudoplatanus	Sycamore maple	Invasive
Actinidia arguta	Hardy kiwi; tara vine	Do not list at this time
Ailanthus altissima	Tree of heaven	Invasive
Akebia quinata	Five-leaved Akebia; chocolate vine	Do not list at this time
Alliaria petiolata	Garlic mustard	Invasive
Ampelopsis brevipedunculata	Porcelain-berry; Amur peppervine	Likely invasive
Ampelygonum perfoliatum – see Polygonum perfoliatum		
Anacharis densa – see Egeria densa		
Anthriscus sylvestris	Wild chervil	Likely invasive
Arthraxon hispidus	Hairy joint grass; jointhead; small carpet grass	Potentially Invasive
Berberis thunbergii	Japanese barberry	Invasive
Berberis vulgaris	Common barberry; European barberry	Likely Invasive
Cabomba caroliniana	Carolina fanwort; fanwort	Invasive
Cardamine impatiens	Bushy rock-cress; narrowleaf bittercress	Likely Invasive
Carex kobomugi	Japanese sedge; Asiatic sand sedge	Potentially Invasive
Catalpa speciosa	Northern catalpa	Do not list at this time
Celastrus orbiculatus	Oriental bittersweet; Asian or Asiatic bittersweet	Invasive
Centaurea biebersteinii	Spotted knapweed	Likely Invasive
Centaurea maculosa – see Centaurea biebersteinii		
Chaerophyllum sylvestre – see Anthriscus sylvestris		
Cynanchum louiseae	Black swallow-wort; Louise's swallow-wort	Invasive
Cynanchum nigrum – see Cynanchum louiseae		
Cynanchum rossicum	European swallow-wort; pale swallow-wort	Likely Invasive
Cytisus scoparius	Scotch broom; English broom	Do not list at this time
Egeria densa	Brazilian water weed, Brazilian elodea	Likely Invasive
Elaeagnus umbellata	Autumn olive	Invasive
Elaeagnus angustifolia	Russian olive	Do not list at this time
Elodea densa – see Egeria densa		
Epilobium hirsutum	Hairy willow herb; Codlins and cream	Likely Invasive
Euonymus alatus	Winged euonymus; burning bush	Invasive
Euphorbia cyparissias	Cypress spurge	Likely Invasive
Euphorbia esula	Leafy spurge; wolf's milk	Invasive
Fallopia japonica - see Polygonum		

cuspidatum		
Fallopia sachalinensis - see Polygonum sachalinense		
Festuca filiformis	Hair fescue; fineleaf sheep fescue	Likely Invasive
Festuca ovina	Sheep fescue	Do not list at this time
Frangula alnus	European buckthorn; glossy buckthorn	Invasive
Glaucium flavum	Sea or horned poppy; yellow hornpoppy	Invasive
Glyceria maxima	Tall mannagrass; reed mannagrass	Likely Invasive
Hesperis matronalis	Dame's rocket	Invasive
Heracleum mantegazzianum	Giant hogweed	Likely Invasive
Humulus japonicus	Japanese hops	Likely Invasive
Hydrilla verticillata	Waterthyme, Florida elodea	Likely Invasive
Iris pseudacorus	Yellow iris	Invasive
Lepidium latifolium	Broad-leaved pepperweed; tall pepperweed	Invasive
Ligustrum obtusifolium	Border privet	Likely Invasive
Ligustrum ovalifolium	California privet	Do not list at this time
Ligustrum sinense	Chinese privet	Do not list at this time
Ligustrum vulgare L.	European privet	Do not list at this time
Lonicera japonica	Japanese honeysuckle	Invasive
Lonicera maackii	Amur honeysuckle	Potentially Invasive.
Lonicera morrowii	Morrow's honeysuckle	Invasive
Lonicera tatarica	Tatarian honeysuckle	Likely invasive
Lonicera xylosteum	Dwarf honeysuckle	Do not list at this time
Lonicera x bella [morrowii x tatarica]	Bell's honeysuckle	Invasive
Lysimachia nummularia	Creeping jenny; moneywort	Invasive
Lythrum salicaria	Purple loosestrife	Invasive
Microstegium vimineum	Japanese stilt grass; Nepalese browntop	Likely Invasive
Miscanthus sacchariflorus	Plume grass; Amur silvergrass	Likely Invasive
Miscanthus sinensis	Eulalia; Chinese silvergrass	Do not list at this time
Morus alba	White mulberry	Do not list at this time
Myosotis scorpioides	Forget-me-not	Likely Invasive
Myriophyllum aquaticum	Parrot feather; water-feather; Brazilian water-milfoil	Likely Invasive
Myriophyllum brasiliense - see Myriophyllum aquaticum		
Myriophyllum heterophyllum	Variable water-milfoil; two-leaved water-milfoil	Invasive
Myriophyllum spicatum	Eurasian or European water-milfoil; spike water-milfoil	Invasive
Najas minor	Brittle water-nymph; lesser naiad	Likely Invasive
Nasturtium amphibium - see Rorripa amphibia		
Nasturtium microphyllum – see Rorippa microphylla		
Nasturtium officinale - see Rorippa nasturtium-aquaticum		
Nymphoides peltata	Yellow floating heart	Likely Invasive

Phalaris arundinacea	Reed canary-grass	Invasive
Phellodendron amurense	Amur cork-tree	Likely Invasive
Phellodendron amurense var. japonicum - see Phellodendron amurense		
Phellodendron amurense var. lavallei - *see Phellodendron amurense*		
Phellodendron amurense var. sachalinense - see Phellodendron amurense		
Phellodendron lavallei - see Phellodendron amurense		
Phellodendron sachalinense - see Phellodendron amurense		
Phragmites australis	Common reed	Invasive
Polygonum cuspidatum	Japanese knotweed; Japanese or Mexican bamboo	Invasive
Polygonum perfoliatum	Mile-a-minute vine or weed; Asiatic tearthumb	Potentially Invasive
Polygonum sachalinense	Giant knotweed	Do not list at this time
Populus alba	White poplar	Do not list at this time
Potamogeton crispus	Crisped pondweed; curly pondweed	Invasive
Pueraria montana	Kudzu; Japanese arrowroot	Likely Invasive
Pueraria montana var. lobata – see Pueraria montana		
Ranunculus ficaria	Lesser celandine; fig buttercup	Invasive
Ranunculus repens	Creeping buttercup	Likely Invasive
Reynoutria sachalinensis – see Polygonum sachalinense		
Reynoutria japonica – see Polygonum cuspidatum		
Rhamnus cathartica	Common buckthorn	Invasive
Rhamnus frangula – see Frangula alnus		
Robinia pseudoacacia	Black locust	Invasive
Rorippa amphibia	Water yellowcress; great yellowcress	Invasive
Rorippa microphylla	Watercress; onerow yellowcress	Do not list at this time
Rorippa nasturtium-aquaticum	Watercress	Do not list at this time
Rosa multiflora	Multiflora rose	Invasive
Rosa rugosa	Japanese rose; rugosa rose	Do not list at this time
Rubus phoenicolasius	Wineberry; Japanese wineberry; wine raspberry	Likely Invasive
Sedum telephium ssp. telephium	Live-forever; orpine; witch's moneybags	Do not list at this time
Senecio jacobaea	Tansy ragwort; stinking Willie	Likely Invasive
Sisymbrium amphibium - see Rorripa amphibia		

Trapa natans	Water-chestnut	Invasive
Tussilago farfara	Coltsfoot	Likely Invasive
Verbascum thapsus	Common mullein; flannel mullein;	Do not list at this time
	velvet plant	
Vincetoxicum nigrum – see Cynanchum nigrum		
Vincetoxicum rossicum – Cynanchum rossicum		

Species Reviewed (Phases I and II): Listed by Category

Species	Common name	Category
Acer platanoides	Norway maple	Invasive
Acer pseudoplatanus	Sycamore maple	Invasive
Aegopodium podagraria	Bishop's goutweed, bishop's weed; goutweed	Invasive
Ailanthus altissima	Tree of heaven	Invasive
Alliaria petiolata	Garlic mustard	Invasive
Berberis thunbergii	Japanese barberry	Invasive
Cabomba caroliniana	Carolina fanwort; fanwort	Invasive
Celastrus orbiculatus	Oriental bittersweet; Asian or Asiatic bittersweet	Invasive
Cynanchum louiseae	Black swallow-wort; Louise's swallow-wort	Invasive
Elaeagnus umbellata	Autumn olive	Invasive
Euonymus alatus	Winged euonymus, burning bush	Invasive
Euphorbia esula	Leafy spurge; wolf's milk	Invasive
Frangula alnus	European buckthorn, glossy buckthorn	Invasive
Glaucium flavum	Sea or horned poppy, yellow hornpoppy	Invasive
Hesperis matronalis	Dame's rocket	Invasive
Iris pseudacorus	Yellow iris	Invasive
Lepidium latifolium	Broad-leaved pepperweed, tall pepperweed	Invasive
Lonicera japonica	Japanese honeysuckle	Invasive
Lonicera morrowii	Morrow's honeysuckle	Invasive
Lonicera x bella [morrowii x tatarica]	Bell's honeysuckle	Invasive
Lysimachia nummularia	Creeping jenny, moneywort	Invasive
Lythrum salicaria	Purple loosestrife	Invasive
Myriophyllum heterophyllum	Variable water-milfoil; two-leaved water-milfoil	Invasive
Myriophyllum spicatum	Eurasian or European water-milfoil; spike water- milfoil	Invasive
Phalaris arundinacea	Reed canary-grass	Invasive
Phragmites australis	Common reed	Invasive
Polygonum cuspidatum	Japanese knotweed; Japanese or Mexican bamboo	Invasive
Potamogeton crispus	Crisped pondweed, curly pondweed	Invasive
Ranunculus ficaria	Lesser celandine; fig buttercup	Invasive
Rhamnus cathartica	Common buckthorn	Invasive
Robinia pseudoacacia	Black locust	Invasive
Rosa multiflora	Multiflora rose	Invasive
Trapa natans	Water-chestnut	Invasive
Ampelopsis brevipedunculata	Porcelain-berry; Amur peppervine	Likely invasive
Anthriscus sylvestris	Wild chervil	Likely invasive
Berberis vulgaris	Common barberry; European barberry	Likely Invasive
Cardamine impatiens	Bushy rock-cress; narrowleaf bittercress	Likely Invasive
Centaurea biebersteinii	Spotted knapweed	Likely Invasive
Cynanchum rossicum	European swallow-wort, pale swallow-wort	Likely Invasive
Egeria densa	Brazilian water weed; Brazilian elodea	Likely Invasive
Epilobium hirsutum	Hairy willow herb; Codlins and cream	Likely Invasive

Euphorbia cyparissias	Cypress spurge	Likely Invasive
Festuca filiformis	Hair fescue; fineleaf sheep fescue	Likely Invasive
Glyceria maxima	Tall mannagrass; reed mannagrass	Likely Invasive
Heracleum mantegazzianum	Giant hogweed	Likely Invasive
Humulus japonicus	Japanese hops	Likely Invasive
Hydrilla verticillata	Hydrilla; water-thyme; Florida elodea	Likely Invasive
Ligustrum obtusifolium	Border privet	Likely Invasive
Lonicera tatarica	Tatarian honeysuckle	Likely invasive
Microstegium vimineum	Japanese stilt grass, Nepalese browntop	Likely Invasive
Miscanthus sacchariflorus	Plume grass; Amur silvergrass	Likely Invasive
Myosotis scorpioides	Forget-me-not	Likely Invasive
Myriophyllum aquaticum	Parrot-feather; water-feather; Brazilian water-milfoil	Likely Invasive
Najas minor	Brittle water-nymph, lesser naiad	Likely Invasive
Nymphoides peltata	Yellow floating heart	Likely Invasive
Phellodendron amurense	Amur cork-tree	Likely Invasive
Pueraria montana	Kudzu; Japanese arrowroot	Likely Invasive
Ranunculus repens	Creeping buttercup	Likely Invasive
Rorippa amphibia	Water yellowcress; great yellowcress	Likely Invasive
Rubus phoenicolasius	Wineberry; Japanese wineberry; wine raspberry	Likely Invasive
Senecio jacobaea	Tansy ragwort; stinking Willie	Likely Invasive
Tussilago farfara	Coltsfoot	Likely Invasive
Arthraxon hispidus	Hairy joint grass; jointhead; small carpetgrass	Potentially Invasive
Carex kobomugi	Japanese sedge, Asiatic sand sedge	Potentially Invasive
Lonicera maackii	Amur honeysuckle	Potentially Invasive.
Polygonum perfoliatum	Mile-a-minute vine or weed; Asiatic tearthumb	Potentially Invasive
Actinidia arguta	Hardy kiwi; tara vine	Do not list at this time
Akebia quinata	Five-leaved Akebia; chocolate vine	Do not list at this time
Catalpa speciosa	Northern catalpa	Do not list at this time
Cytisus scoparius	Scotch broom; English broom	Do not list at this time
Elaeagnus angustifolia	Russian olive	Do not list at this time
Festuca ovina	Sheep fescue	Do not list at this time
Ligustrum ovalifolium	California privet	Do not list at this time
Ligustrum sinense	Chinese privet	Do not list at this time
Ligustrum vulgare L.	European privet	Do not list at this time
Lonicera xylosteum	Dwarf honeysuckle	Do not list at this time
Miscanthus sinensis	Eulalia; Chinese silvergrass	Do not list at this time
Morus alba	White mulberry	Do not list at this time
Polygonum sachalinense	Giant knotweed	Do not list at this time
Populus alba	White poplar	Do not list at this time
Rorippa microphylla	Watercress; onerow yellowcress	Do not list at this time
Rorippa nasturtium-aquaticum	Watercress	Do not list at this time
Rosa rugosa	Japanese rose; rugosa rose	Do not list at this time
Sedum telephium ssp. telephium	Live-forever; orpine; witch's moneybags	Do not list at this time
Verbascum thapsus	Common mullein; flannel mullein; velvet plant	Do not list at this time

Appendix 13

DRAFT DECLARATION OF RESTRICTION

THIS DECLARATION OF RESTRICTION (hereinafter the "Declaration") is made this _____ day of _____, 2012, by _____, _____, _____ (hereinafter the "Declarant").

WITNESSETH

WHEREAS, Declarant is the owner of that certain land located at _____ (Map _____, Parcel ___, Lot ____ and Map _____, Parcel ___ Lot ____) located in the City of New Bedford, Bristol County, Massachusetts (hereinafter the "Property"), shown on and recorded in the Bristol County District Registry of Deeds at Plan Book _____, Page ____ and at Plan Book ____, Page _____; and

WHEREAS, the Property is subject to the terms and provisions of the Final Determination issued by and between the United States Environmental Protection Agency (hereinafter the "Agency") and the Commonwealth of Massachusetts (hereinafter the "Commonwealth") by and through the Massachusetts Department of Environmental Protection and the Executive Office of Energy and Environmental Affairs, within which the Commonwealth has committed to completing mitigation on the Property in compensation for impacts associated with the construction of the New Bedford Marine Commerce Terminal, located in New Bedford, Massachusetts; and

WHEREAS, the Commonwealth will be funding the creation of salt marsh, in concert with previously outlined plans of the Declarant to facilitate the construction of a park at the Property, to create and enhance wetlands and parkland within the City of New Bedford for beautification and recreational purposes to serve the Citizens of New Bedford; and

WHEREAS, Declarant agrees to protect such salt marsh areas (hereinafter the "Restricted Area") created on the Property as depicted on the plan entitled _____ dated _____, prepared by _____ (the "Plan")(see Attachment A) as depicted in the Legal Description (the "Legal Description")(see Attachment B); and

NOW, THEREFORE, Declarant hereby voluntarily declares and imposes in perpetuity the following covenants, conditions and restrictions on the Restricted Area for the benefit of the Declarant, its successors and assigns, the Commonwealth, and the Agency, and said Property shall be held, transferred, sold, conveyed, occupied and used subject to the covenants, conditions, and restrictions set forth (subject to the Commonwealth's creation of the salt marsh on the Property as outlined within the Commonwealth's Final Mitigation Plan, dated October, 2012).

1. <u>Background</u>

A. The Commonwealth desires to conduct construction work on the Declarant's Property as described in the document entitled, "Final Mitigation Plan," by the

Massachusetts Department of Environmental Protection, dated October, 2012, including but not limited to salt marsh construction, re-grading, excavation and off-site disposal of soil, installation of erosion control measures, restoration work and/or related activities (collectively the "Construction Work").

B. The Declarant desires that the Commonwealth construct the salt marsh on the Property, within the Restricted Area, as the construction of such salt marsh aligns with the Declarant's previously outlined plans to complete the construction of a park on the Property. The Declarant agrees to restrictions imposed on the Restricted Area in exchange for the Commonwealth's construction of the salt marsh.

C. This Declaration is in three parts. Part I is applicable to the Restricted Area during the period in which the Commonwealth is performing the Construction Work on the Restricted Area (the "Construction Period"). Once the Construction Work is completed the Restricted Area, documentation as described herein shall be filed with the Agency. Upon filing of such documentation, the conditions set forth in Part II of this Declaration ("Post-Construction") will supercede the conditions of Part I for that specific Restricted Area. Part III includes conditions applicable to the Restricted Area during both the Construction Period and the Post-Construction Period.

2. Applicable Conditions

Part I: The Construction Period

During the period in which Construction Work is being performed on the Restricted Area, Declarant agrees to the following covenants and conditions for the benefit of the Declarant, its successors and assigns, the Commonwealth and the Agency:

A. The Construction Work will be performed by the Commonwealth in accordance with plans and specifications prepared by the Commonwealth and approved by the Declarant and the Agency. When the Construction Work is completed, the Commonwealth's engineer shall submit a certification to the Agency and the Declarant verifying that the Construction Work was completed (the "Completion Certification"). Upon filing the Completion Certification, the conditions set forth in Part II of this Declaration ("Post-Construction") will supercede the conditions of Part I.

B. Applicable Conditions to Restricted Area During the Construction Work.

1. Allowed Uses and Reserved Rights.

The following provisions apply to each particular Restricted Area while Construction Work is being performed on it:

(i) activities to complete the Construction Work including but not limited to the reasonable use of heavy equipment, vehicles and personnel

necessary to: (a) perform vegetation and tree removal, site preparation, soil excavation, re-grading, planting, installation of erosion control measures, and restoration; (b) accomplish monitoring, maintenance, repair and removal activities; (c) perform any necessary corrective action obligations; and (d) perform activities required by governmental entities or the Agency.

2. Prohibited Acts and Uses.

No acts and uses are explicitly prohibited in the Restricted Area during the Construction Period.

C**.** **Monuments and Signage.** After completion of the work, the boundaries and turning points of the Restricted Area shall be marked/monumented by the Commonwealth.

Part II: Post-Construction Period

The following conditions shall apply after the Commonwealth submits a Completion Certification to the Declarant and the Agency.

A. Uses and Reserved Rights.

1. The following activities shall be allowed on the Restricted Area:

(i) Monitoring and maintenance activities:

(a) monitoring, maintenance, repair and removal activities, including but not limited to the reasonable use of heavy equipment, vehicles and personnel necessary to perform vegetation and tree removal, including but not limited to cutting, pruning or removal of trees and vegetation for the protection of persons and property; and

(b) construction of fences, walls or necessary boundary markers on the Restricted Areas upon written consent by the Agency, such consent not to be unreasonably withheld.

(ii) Governmental required activities:

(a) perform any necessary corrective action obligations or other work as required by the Agency, governmental entities, including, but not limited to, corrective actions or operation and maintenance activities in accordance with Final Mitigation Plan, dated October 2012.

2. The following acts and uses are prohibited in the Restricted Area, except as allowed above in Part II, Section A.1:

(i) construction or placing of any tennis court, landing strip, mobile home, swimming pool, fences, asphalt or concrete pavement, sign, billboard or other advertising display;

(ii) mining, excavating, dredging or removing soil, loam, peat, gravel, sand, rock or other mineral resource or natural deposit;

(iii) placing, filling, storing or dumping of soil, refuse, trash, vehicle bodies or parts, rubbish, debris, junk, waste or the installation of underground storage tanks;

(iv) cutting, removing or otherwise destroying trees, grasses or other vegetation or disturbance of shrubs, ground, forest floor or leaf litter; and

(v) the use of motorized vehicles of any kind, except as required by the police, fire department or any other governmental agents in carrying out their lawful duties.

B. **Monuments and Signage.** The Commonwealth shall maintain in good condition any, bounds, monuments, markers and signs shown on the Plan, demarcating the boundaries of the Restricted Areas, and shall repair and or replace said monuments and signage on an as needed basis.

3. **Part III: Conditions Applicable During the Construction and Post-Construction Periods.** The Declarant has the right to establish, enforce, waive, alter and amend such additional rules, regulations, covenants, conditions and restrictions governing use of the Restricted Area as are not otherwise prohibited by this Declaration and allowed by applicable federal, state or local law or regulation.

4. **Invasive Species Monitoring and Maintenance.** Invasive species monitoring shall be conducted in accordance with the document entitled “Final Mitigation Plan” dated October 2012 by the Massachusetts Department of Environmental Protection.

5. **Term.** This Declaration of Restriction and its provisions herein set forth shall run with the Property as shown on said Plan in perpetuity from the date of recordation in the Bristol District Registry of Deeds and shall be binding upon Declarant, Declarant's successors and assigns, and any other party having an ownership interest in said Property or claiming to have an interest with respect to said Property as tenants, invitees, licenses or otherwise, and all of the respective heirs, successors, grantees, mortgages, assigns, agents, contractors, subcontractors and employees of the foregoing.

Notwithstanding anything inconsistent or to the contrary set forth above, the Agency is hereby authorized to record and file any notices and/or instruments that the Agency deems appropriate to assure the legal validity and enforceability in perpetuity of this Declaration.

6. **Enforceability.** The Agency and the Commonwealth shall have the authority and right to enforce this Declaration.

The Agency and the Commonwealth shall have the authority and right to enter the Restricted Area, in a reasonable manner and at reasonable times, for the purposes of (i) completing such actions as are outlined within Part I and Part II of this Declaration (ii) inspecting the Restricted Area to determine compliance with this Declaration of Restriction; (iii) enforcing this Declaration of Restriction; and (iv) taking any other action which may be necessary to ensure the success of the mitigation as outlined within "Final Mitigation Plan" by the Commonwealth of Massachusetts, dated October 2012. The Agency and/or the Commonwealth shall provide reasonable notice to the Declarant prior to entering the Restricted Area. The Agency shall abide by all Declarant's rules and safety protocols.

The Agency and/or the Commonwealth shall have the right to bring proceedings at law or equity against any party or parties violating or attempting to violate the terms of this Declaration of Restriction to enjoin them from so doing and to cause any such violation to be remedied, including but not limited to restoration of the Restricted Area adversely affected, after providing written notice to such party or parties and all mortgagees of record if the names and addresses of such parties and mortgagees have been provided in writing to the Agency.

7. **Severability.** If any court or other tribunal of competent jurisdiction determines that any provision of this Declaration of Restriction is invalid or unenforceable, such provision shall be deemed to have been modified automatically to conform to the requirements for validity and enforceability as determined by such court or tribunal. In the event the provision invalidated is of such a nature that it cannot be so modified, the provision shall be deemed deleted from this instrument as though it had never been included herein. In either case, the remaining provisions of this instrument shall remain in full force and effect.

8. **Non-Waiver.** Any election by the Agency and/or the Commonwealth as to the manner and timing of its right to enforce this Declaration of Restriction or otherwise exercise its rights hereunder shall not be deemed or construed to be a waiver of such rights.

9. **Access.** This Declaration of Restriction does not grant to the Agency and/or the Commonwealth, the general public, or any other person or entity any right to enter upon the Restricted Area except the right of the Agency and/or the Commonwealth to enter the Restricted Area at reasonable times and in a reasonable manner for the purpose of inspecting the same to determine compliance herewith, as set forth in Paragraph 6 above.

10. **Incorporation Into Deeds, Mortgages, Leases and Instruments of Transfer**. Declarant and Declarant's successors and assigns, including all subsequent owners of the Property or portions on which one or more Restricted Area are located, shall incorporate this Declaration, in full or by reference, into all deeds, easements, mortgages, leases, licenses, occupancy agreements or any other instrument of transfer by which an interest in and/or a right to use the Restricted Area or any portion thereof is conveyed. Any such deed, mortgage or other interest purporting to convey any portion of the Property on which one or more Restricted Area are located without including this Declaration in full or by reference shall be deemed and taken to include said Declaration in full even through said Declaration is not expressly described or referenced therein.

11. **Recordation/Registration.** Declarant shall record and/or register this Declaration of Restriction with the appropriate Registry of Deeds and/or Land Registration Office within thirty (30) days of its date of execution.

12. **Amendment and Release.** No amendment or release of this Declaration shall be effective unless it has been approved in writing by the Agency and the Commonwealth and said amendment or release and the Agency's and the Commonwealth's approval of such has been recorded with the appropriate Registry of Deeds and/or Land Registration Office.

IN WITNESS WHEREOF, _____[name of signatory, Declarant] has caused these presents to be signed, acknowledged and delivered in its name and behalf this _____ day of _____, 2012.

CITY OF NEW BEDFORD

By: _____

Title:_____

COMMONWEALTH OF MASSACHUSETTS

_____, ss. _____, 20___

On this day before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which was ☐ photographic identification with signature issued by a federal or state governmental agency, ☐ oath or affirmation of a credible witness, ☐ personal knowledge of the undersigned, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

_____

Notary Public

SEAL

My Commission Expires:_____

Appendix 14

1. OVERALL MITIGATION PLAN CHECKLIST

Project: NEW BEDFORD MARINE COMMERCE TERMINAL

File No: ___

City: New Bedford

State: Massachusetts

Plan Title: 6690 NBH Phase IV\PLANS\RIVERS_END_PARK\RIVERS_END_WETLAND 10-19-12

Plan Preparer: APEX COMPANIES LLC

Plan Date: 10-22-2012

Corps Project Manager: _____

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L. Long-term Stewardship
M. Financial Assurances
N. Other Comments

A. General Information

1. [x] Mitigation plan and documentation submitted as one complete package.
2. Site locations:
   a. [x] Locus map(s)
   b. [x] Aerial photo(s)
   c. [x] Latitude / Longitude of mitigation site(s) in decimal format.
      41°40’49.02”N 70°55’04.43”W
   d. [x] 8-digit Hydrologic Unit Code(s) for impact area(s) and mitigation area(s).
      01090002 – Cape Cod Watershed

B. Impact area(s)

1. [x] Wetland acreage at each impact site.
2. [x] Cowardin classifications at each impact site.
3. [x] HGM classifications at each impact site.
4. [N/A] Other aquatic resources at each impact site.
   a. [ ] Vernal pools
   b. [ ] Streams

c. [ ] Submerged Aquatic Vegetation
d. [ ] Mudflats

5. [x] Describe both site specific and landscape level wetland and stream functions and values at each impact site.
6. [x] Describe type and purpose of work at each impact site.
7. [x] Relationship of impact area(s) to watershed or regional plans for the area discussed.

C. Mitigation area(s)

1. Background information
   a. [x] Mitigation alternatives.
      Mitigation Alternatives are discussed in Section 3.2.1
   b. [x] Existing wildlife use.
      The site is utilized by a variety of types of wildlife which mostly consists of water fowl, seabirds, and invertebrates. The area is not listed as estimated habitat for rare wildlife or priority habitats of rare species.
   c. [x] Existing soil.
      A description of the existing soils are described in Appendix 6.
   d. [x] Existing vegetation.
   e. [x] Surrounding land uses.
      The surrounding land use at the site is mostly residential with limited light industrial to the south. Additionally there is limited retail to the north of the site.
   f. [x] USFWS and / or NOAA Clearance Letter or Biological Opinion.

   Informal discussions undertaken between NMFS and Commonwealth. Submitted under separate cover.

   g. [x] SHPO / THPO Cultural Resource Clearance Letter.

   THPO/SHPO notification requirements have been governed by rules of engagement set within EPA's directions issued via e-mail dated August 13, 2012. Completed mitigation plan will be submitted to SHPO/THPO on October 22, 2012.

2. Mitigation proposed
   a. [x] Wetland acreage proposed at each site.
      The proposed mitigation area is approximately .88 acres.
   b. [x] Cowardin classifications proposed at each site.
      Estuarine emergent wetland (nonpersistent) semipermanently flooded
   c. [x] HGM classifications proposed at each site.
   d. [x] Other aquatic resources proposed at each site.
      Not Applicable

      i. [ ] Vernal pools

ii. [ ] Streams

iii. [ ] Submerged Aquatic Vegetation

iv. [ ] Mudflats

e. [x] Site-specific and landscape-level functions and values proposed at each site.

The following plantings and seed mixes are proposed for the site:

- <u>Up to elevation 2.5'</u>
- Spartina alterniflora- smooth cordgrass
- Spartina patens- salt meadow grass
- Distichlis spicata- spike grass

- <u>2.5' to 4'</u>
- Juncus gerardii- black grass
- New England Coastal Salt Tolerant Grass Mix
- Iva frutescens- marsh elder

- <u>4' and up</u>
- New England Coastal Salt Tolerant Grass Mix
- Solidago sempervirens- seaside goldenrod
- Eurybia spectabilis- eastern showy aster
- Coreopsis verticillata- threadleaf coreopsis
- Prunus maritima- beach plum
- Myrica pensylvanica- northern bayberry

f. [N/A] Target fish and / or wildlife species.

g. [N/A] Reference site(s).

h. [x] Design constraints.

The compensatory mitigation at the site is constrained by the proposed design of Rivers End Park. A portion of the park has been completed and the proposed mitigation must tie in and not limit the function of the proposed park. Additionally to the north there is a concrete structure which extends to the water line and to the south there is an outfall for the City of New Bedford's storm system.

i. [x] Construction oversight.

The construction of the compensatory mitigation will be overseen by a professional engineer or a professional wetland scientist or there agent.

j. [x] Project construction timing.

A construction schedule is attached in Appendix 2.

k. [x] Responsible parties for all aspects of project.

The site protection instrument in Appendix 9 describes all responsible parties.

l. [N/A] Potential to attract waterfowl and other bird species that might pose a threat to aircraft?

3. Specific Aquatic Resource Checklist Information Appended

a. [ ] Non-tidal wetlands
b. [x] Tidal wetlands
c. [ ] Vernal pools
d. [ ] Streams
e. [ ] Submerged aquatic vegetation

D. Grading Plan

1. Plan View
   a. [x] Existing and proposed grading plans.
   b. [x] Microtopography
   c. [x] Scale is in the range of 1”=20’ to 1”=100’.
   d. [x] All items on the plan are legible. Electronic documents are encouraged (e.g., PDF); otherwise plans should be on 8 ½ x 11” sheets.
   e. [x] Plans have bar scale.
   f. [x] The drawings show the access for maintenance and monitoring.
2. [x] Representative cross-sections.
3. [ ] Other – Specific staff recommendations related to grading.

E. Erosion Controls

[x] Erosion control removal deadline is included.

Erosion Controls will be removed from the site at the recommendation of the PWS or PE or 1 year after site establishment date as defined in Appendix 9.

F. Invasive Species

[x] Invasive Species Control Plan (ISCP) is included.

An Invasive Species Control Plan (ISCP) has been attached as Appendix 12

a. [x] Risks – includes evaluation of the potential for unwanted species or varieties.
b. [x] Constraints – regulatory or environmental factors affecting control strategies.
c. [x] Addresses a scope commensurate with risk & constraints.

G. Off-Road Vehicle Use

1. [x] No off-road vehicle use in immediate vicinity, or if so, control measures addressed.
   There will be no off-road vehicle use at the site.
2. [N/A] Control plan, if appropriate.

H. Preservation

The site protection instrument included as Appendix 9 characterizes and implements all protection extended to the compensatory mitigation at the site.

1. [x] Adequate buffers.
2. [x] Wetlands within subdivisions are protected along with appropriate buffers.
3. [x] Required preservation language is included.

4. [x] Plans of preservation area(s).
5. [x] Form of legal means of preservation.
6. [x] Documentation of acceptance by receiving agency (if applicable).

I. Monitoring

All monitoring activities are characterized in Sections 8 and 10 and Appendix 9 of the Mitigation Plan.

[x] Appropriate monitoring is proposed and language included.

[x] Project Overview Form will be included with each Annual Monitoring Report.

[x] Transmittal and Self-Certification Form will be included with each Annual Monitoring Report.

J. Assessment

[x] An appropriate final assessment is proposed and language included.

See Sections 8, and 10 and Appendix 9

K. Contingency

[x] Plan for dealing with unanticipated site conditions or changes.

See Section 12

L. Long-term Stewardship

Plan for Long-term stewardship is included. Documentation of acceptance by the receiving steward (if applicable)

[x] Plan for long-term stewardship is included.

[x] Documentation of acceptance by the receiving steward (if applicable).

M. Financial Assurances

[x] Appropriate financial assurances in place:

See Section 13

a. [x] Construction
b. [x] Monitoring and remediation
c. [x] Contingency
d. [x] Long-term stewardship (endowment)

N. Other Comments

TIDAL WETLAND MODULE CHECKLIST

I. Hydrology

1. [x] Evidence of adequate hydrology to support the desired wetland.

   a. [x] elevation of mean high water (MHW).

   b. [x] elevation of mean low water (MLW).

2. [x] Salinity

II. Substrate

1. [x] Plans use scientific names.

2. [x] Plant materials are native and indigenous to the area of the site(s); invasive species, nonnative species, and / or cultivars are not proposed for planting or seeding.

3. [x] Vegetation community types or zones are classified in accordance with Cowardin, et al. (1979) or other similar classification system.

4. [x] Plan view drawings show proposed locations of planted stock.

5. [x] More than 50% of the plantings in each zone are appropriate for the community type designated for that zone.

6. [x] Woody stock density is appropriate.

7. [x] Herbaceous stock density is appropriate.

8. [x] Seed mix composition is provided.

9. [x] Representative cross section plans showing vegetative community zones in relation to MLW and MHW.

10. [x] Relocation of plantings allowed when appropriate.

11. [ ] Other – Specific staff recommendations related to planting.

Appendix 15

Massachusetts Division of Marine Fisheries

Shellfish Planting Guidelines

J.M. Hickey

T. Shields, J. Kennedy, K. Ford

Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs
Department of Fish and Game
Massachusetts Division of Marine Fisheries

December 2011

Executive Summary

Shellfish planting is conducted to enhance natural shellfish resources to maintain commercial and recreational fisheries, restore historic populations, mitigate for adversely impacted resources, commercially produce shellfish by private aquaculture, or for ecological services. There is increasing interest in planting shellfish to improve water quality in degraded coastal water bodies. The Division of Marine Fisheries (*MarineFisheries)* is interested in balancing the interest in shellfish restoration with the important goals of protecting human health, protecting wild shellfish stocks, enabling opportunities for commercial and recreational shellfishing and fostering development of shellfish aquaculture in Massachusetts. As a result, *Marine Fisheries* developed shellfish planting guidelines based on six overarching principles that describe allowable practices, statutory and regulatory authority, permit requirements and types of available permits.

The intent is to clarify and enumerate considerations for review of shellfish planting projects to benefit project applicants, as well as local, state and federal resource and permitting agencies.

Introduction

Shellfish planting is conducted to enhance natural shellfish resources to maintain commercial and recreational fisheries, restore historic populations, mitigate for adversely impacted stock, commercially produce shellfish by private aquaculture, or for ecological services. In Massachusetts there is a long history of protecting public access to marine resources (Colony Ordinances of 1640 – 1647). Planting activities have been performed primarily to benefit commercial and recreational harvesters by municipal shellfish departments with assistance from the Division of Marine Fisheries (*MarineFisheries*). Private aquaculture has been in existence since the mid 1800's growing tremendously in the last 20 years. Mitigation for resource and habitat loss associated with marine construction projects has become common in the last decade or so. More recently, there is increased interest in shellfish planting for restoration purposes.

Massachusetts ranked first in the nation in the value of fish and shellfish landings in 2009 (NOAA 2009). Given the size and importance of the shellfisheries and associated shore based industry, it is an economic necessity to protect the wholesome reputation of the Commonwealth's shellfish industry.

Shellfish are prolific in coastal waters accessible by small boat and by wading. Shellfishing in Massachusetts is both a lucrative commercial industry and a popular recreational pastime. Due to their proximity to the coast, shellfish grow in waters susceptible to pollution from sewer systems, combined sewer overflows, septic systems, and other sources of human waste. These waste streams can contain pathogens that cause a variety of human illnesses. Shellfish are filter feeders and when exposed to pathogens they have a high risk of becoming contaminated and unsafe for human consumption. Some water bodies are contaminated all of the time and other water bodies are only contaminated as a result of run-off from rain storms. Other water bodies that have no sewage pollution or are very well-mixed and do not retain the pathogens are not contaminated.

Because of the potential severity of human illness as a result of eating contaminated shellfish, many statutes and regulations are in place to protect public health by preventing harvesting from areas contaminated with human pathogens. The National Shellfish Sanitation Program (NSSP) has established a rigorous classification, monitoring, and closure system that states with shellfish in interstate commerce are required to follow. In addition to routine monitoring for fecal coliform contamination, the program specifies closure conditions and requires that states adequately patrol areas closed for public health reasons or take measures to remove shellfish from those areas (U.S. FDA 2009).

The Massachusetts Office of Environmental Law Enforcement (OLE) is responsible for enforcement of state statutes and regulations in the 1.7 million acres of shellfish growing waters of which 190,000 acres are closed to shellfishing due to contamination and is assisted locally by municipal shellfish constables where present. The Commonwealth's compliance with the NSSP is evaluated annually by the U.S. Food and Drug Administration (FDA). State evaluations are reported to the Interstate Shellfish Sanitation

Conference (ISSC) for potential sanctions up to and including removal of a state's shellfish from interstate commerce.

On the east coast of the U.S., most states have sole authority to manage shellfish. In contrast, the Commonwealth of Massachusetts shares management and control with municipalities. Under various sections of Massachusetts General Laws (MGL) Chapter 130, municipalities control shellfisheries management in clean (Approved) waters while the state controls shellfisheries management in contaminated waters (all classifications other than Approved). The Commonwealth also has control of the shellfish resources in certain areas outside of municipal boundaries but within the jurisdiction of the Commonwealth. Such areas include but are not limited to the center of Cape Cod Bay, an area off of Boston Harbor, and an area in Nantucket Sound west of Monomoy Island. Additionally, the Commonwealth has jurisdiction over fisheries management in the federal waters of Nantucket Sound.

This document represents *MarineFisheries'* definitions and policy framework relative to all types of shellfish planting, including shellfish propagation and enhancement, restoration, mitigation, and aquaculture in state managed waters. The intent is to clarify and enumerate considerations for review of shellfish planting projects to benefit project applicants, as well as local, state and federal resource and permitting agencies. The guidance outlined is intended as a supplement to regular reviews and consultations with resource and permitting agencies. In all cases, the shellfish planting must be deemed appropriate by both the municipality and *MarineFisheries*. Further, if any structures are created or anchoring systems used, additional permits may be required by the U.S. Army Corps of Engineers (U.S. ACE), the Massachusetts Department of Environmental Protection (MA DEP), the local conservation commission, and possibly other permitting agencies. The guidelines within this document are based on state and federal statutes and regulations that are current as of December, 2011 governing shellfish management and aquaculture.

Definitions

MarineFisheries' uses the following definitions throughout this document and in practice to describe various shellfish planting activities. Since the closure status is an important part of how shellfish planting activities are managed, the closure definitions are provided first.

Shellfish Growing Area Classifications

The state is divided into 303 Shellfish Growing Areas (SGA) which are broken up into classification areas (Figure 1). Classification is based on an extensive evaluation of local environmental conditions, pollution sources and an assessment of potential impacts to water quality in the area. The assessments are conducted by FDA-trained *MarineFisheries* staff and are summarized in a written sanitary survey report according to NSSP guidelines. SGA maps are available on the *MarineFisheries* website (http://www.mass.gov/dfwele/dmf/programsandprojects/dsga.htm) and sanitary surveys are available upon request to the *MarineFisheries* Shellfish Program.

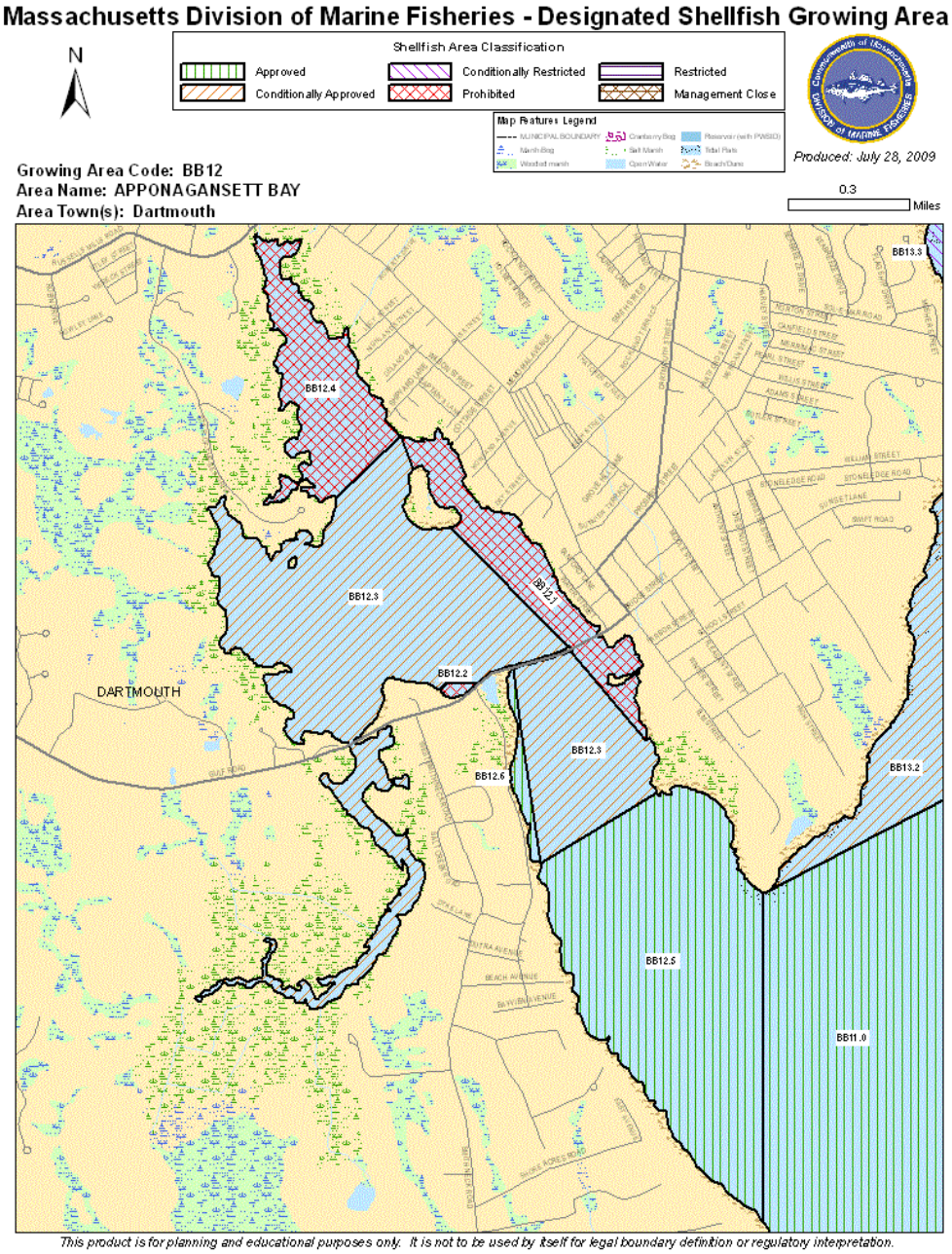

Figure 1. Example of SGA BB12 with six classification areas. Each classification area is assigned a classification and a status based on NSSP guidelines. This map is from July 2009 and may not represent the current classifications for the areas.

The NSSP provides five area classification definitions:

1. **Approved**: Open to the harvest of shellfish for direct human consumption subject to local rules and regulations and only closed during major coast wide events (e.g. an oil spill or red tide event).

2. **Conditionally Approved**: Closed some of the time to rainfall or seasonally poor water quality or other predictable events. When open, it is treated as an Approved area.
3. **Restricted:** Contains a limited degree of contamination at all times. This classification is used for areas where shellfish can be relayed to a less contaminated area or harvested for depuration
4. **Conditionally Restricted**: Contains a limited degree of contamination at all times, subject to intermittent pollution events and may be closed some of the time to rainfall or seasonally poor water quality. In Massachusetts, when open, only softshell clams may be harvested by Master/Subordinate Diggers for depuration at the *MarineFisheries* Shellfish Purification Plant.
5. **Prohibited**: Area closed to the harvest of shellfish under all conditions, except the gathering of seed for municipal propagation programs under *MarineFisheries* transplant permits.

Massachusetts utilizes all five classifications. Any SGA not in the Approved classification is considered contaminated. Formal classification definitions can be found in Section 2, Chapter 4.03 of the NSSP Guide for the Control of Molluscan Shellfish (U.S. FDA 2009).

Each shellfish classification area within an SGA is also assigned a status. The status of an SGA or classification area is separate and distinct from its classification and may be opened, closed or inactive for the harvesting of shellfish.

Massachusetts utilizes two NSSP status designations:

1. **Open Status**: Except for an area in the prohibited classification, any growing area is normally open for the purposes of harvesting shellfish subject to the limitations of its classification.
2. **Closed Status:** Any classified growing area may be closed for a limited or temporary period because of an emergency situation, biotoxins, conditions stipulated in a management plan of a conditionally classified area or failure of the state to complete NSSP classification and monitoring requirements. Any area in the closed status is considered contaminated.

Shellfish Planting Definitions

Planting means any type of human induced or assisted method of increasing or creating shellfish resources regardless of the purpose

Propagation means any planting activity conducted by municipalities or the state to increase the supply of shellfish available to the public fisheries

Short term Relays means the transfer of any sized shellfish by municipalities from growing areas classified as Restricted or Conditionally Restricted to growing areas classified as Approved or Conditionally Approved to reduce pathogens. Shellfish may be harvested after 90 days and usually one spawning season. Shellfish are typically relocated (relayed) in late spring and opened to harvest in the fall. Areas used as a source

of shellfish for relays must have a current sanitary survey and shellfish must meet NSSP and MA DPH guidelines for suitability. Testing must demonstrate that the shellfish are free of shellfish diseases prior to relaying.

Long term Transplants means the transfer of seed shellfish only by municipalities from growing areas classified as Prohibited to growing areas classified as Approved or Conditionally Approved to reduce pathogens. Transplants require one or more spawning seasons and a minimum of 6 months of natural depuration before harvest. Areas used as a source of shellfish for transplants must have acceptably low levels of poisonous or deleterious substances as defined by the NSSP and any other contaminants of concern to MA DPH. Testing must demonstrate that the shellfish are free of shellfish diseases prior to transplanting. The NSSP defines seed as shellstock (shellfish) which is less than market size.

Restoration means propagation to recreate a shellfish resource that is historically known to have occurred in a water body but no longer exists as a naturally sustaining population. This term generally includes any propagation effort done for ecosystem service benefits.

Mitigation means propagation done as compensation for alterations resulting in losses or damage to existing shellfish resources or habitat.

Aquaculture means the planting and raising of shellfish at a specific privately licensed location resulting in the commercial production of shellfish.

Research Project means any planting activity designed for hypothesis testing, experimentation, scientific research or education, permitted annually by *MarineFisheries.* These permits include a monitoring and reporting component.

Principles

Six overarching principles form the basis of the guidelines:

- Protect public health by siting and managing planting activities to be consistent with enforcement capabilities of municipalities and the state and avoiding planting practices that could result in contaminated shellfish being consumed by the public.
- Minimize user conflict by protecting the right of access to a public shellfishery and avoiding the disruption of traditional fishing practices.
- Enable successful development of shellfish resources through a transparent and timely permitting process.
- Avoid impact to other marine fisheries resources and habitats by appropriate siting of planting activities.
- Encourage research designed to improve our understanding of shellfish and shellfish habitat by cooperating with researchers.

- Seek compensatory mitigation for unavoidable impacts to existing shellfish resources and habitat by participating in the technical review of coastal construction projects.

Allowable Shellfish Planting Practices

Based on these principles, the following is a list of allowable activities consistent with state statutes, regulations and the NSSP:

1. Planting may be conducted in marine waters with an NSSP classification of Approved or Conditionally Approved. Planted areas cannot be closed in excess of three years. In the case of Aquaculture, license of sites in Conditionally Approved areas is not encouraged due to enforcement and public health concerns while these areas are in a closed status. In some instances, this may be the only alternative and in these situations it is allowed with appropriate conditions to ensure public health protection.

2. Shellfish planting is not allowed in areas classified as Prohibited or Restricted except as follows:
    a. Mitigation overseen or conducted by *MarineFisheries* for losses to existing shellfish resources.
    b. Propagation conducted by *MarineFisheries* and/or municipalities, in Restricted or Conditionally Restricted areas to support depuration fisheries[1].
    c. Municipalities may utilize contaminated waters as nursery areas to raise seed shellfish for eventual transplant to Approved or Conditionally Approved waters under a management plan approved by the director of *MarineFisheries*. Seed shellfish would then be transplanted or relayed under provisions of the management plan and an NSSP required *MarineFisheries* Contaminated Transplant Permit.

3. Research Projects permitted by *MarineFisheries* may be conducted in all waters regardless of NSSP classification by qualified local, state or federal agencies, research institutions and private non-governmental agencies. These projects are of limited duration, and cannot establish new permanent shellfish populations in contaminated waters[2]. Research Projects in municipal controlled waters are

[1] *MarineFisheries* does not support planting activities that create new, self-sustaining populations in Prohibited or Restricted waters due to the risk of attractive nuisance and other enforcement and public health concerns. Without a municipal contaminated area management plan in place, these activities are not allowed.

[2] These types of projects should not be designed to create a new, self-sustaining population of shellfish in contaminated waters. If they do, the population may be removed following the completion of the project. Exceptions will be considered if projects are conducted with municipal approval and under a municipal propagation permit. If in contaminated waters, they may require cooperation of a municipality under a contaminated area management plan. These permits include a monitoring and reporting component.

conducted with local approval but permitted separately in the name of the researcher.

4. In waters under municipal control, except for Research Projects and Aquaculture, all planting activities involving private entities are conducted in partnership with the city or town and authorized by *MarineFisheries* in the municipal propagation permit.

5. Shellfish planting by private citizens or private property owners (i.e. shellfish or oyster gardening) may be conducted under the auspices of the local shellfish department in common areas of Approved waters set aside by the municipality under their shellfish management authority[3]. A municipality may allow this activity in contaminated waters per item 2.c. under a management plan approved by *MarineFisheries*. This activity is conditioned by *MarineFisheries* on the municipal propagation permit. Shellfish produced are used to augment the public fishery.

6. Construction of artificial reefs to increase shellfish habitat and resource may be conducted under the auspices of the local shellfish department in Approved waters set aside by the municipality under their shellfish management authority. Structures placed in the water column may be subject to additional permits by the U.S. ACE, MA DEP and the local conservation commission and harbormaster. A municipality may allow this activity in contaminated waters per item 2.c. under a management plan approved by *MarineFisheries*. This activity is conditioned by *MarineFisheries* on the municipal propagation permit. Shellfish produced are used to augment the public fishery. Reefs should not adversely affect other fisheries and shall conform to the *MarineFisheries* Artificial Reef Policy (Rousseau 2008).

General Permit Requirements

All planting activities regardless of purpose or proponent require a permit from *MarineFisheries*. Permits may be conditioned concerning species to be planted, source of shellfish, possession of seed, introduction, movement or transplanting of seed or adult shellfish, use of shellfish, size and season at harvest, and may be further conditioned as deemed necessary to protect the shellfish resources of the Commonwealth and ensure public health protection. All shellfish planting activities must conform to the following general requirements at a minimum:

[3] Typically, shellfish gardens are proposed by individuals interested in growing shellfish attached to a dock, float, mooring or on tidal lands they own. However, in Massachusetts, the licensing mechanism for aquaculture is for commercial purposes and there is no riparian ownership of shellfish. Therefore, all gardening activities can only produce a publicly available resource. Further, a permit is required to possess seed shellfish and culture sites need to be licensed. Because enforcement to prevent illegal use is exacerbated by multiple scattered sites, there are significant water quality and shellfish safety concerns related to growing shellfish from docks and in marinas and other areas classified as less than Approved, and the persons involved are often unfamiliar with shellfish sanitation; these activities must be coordinated by the municipality.

1. Proponent must have a Special Project permit from *MarineFisheries.* Depending on the purpose and methods of the planting activity, various conditions may be required.

2. Proponent must have permission from the municipality[4]. A municipal site license is required for Aquaculture activities (e.g. an aquaculture grant).

3. Planting projects must conform to the Allowable Shellfish Practices and Principles listed above.

4. All planting activities shall conform to applicable provisions of 322 CMR 15.0: Management of Marine Aquaculture.

5. Introduction of non-indigenous and invasive species is strictly prohibited pursuant to 322 CMR 15.10.

6. Source and species of shellfish for planting must be approved by *MarineFisheries.*

7. All shellfish being planted must be tested by a pathologist recognized by *MarineFisheries* and be found free of known shellfish diseases or come from sources currently approved by *MarineFisheries.*

8. Planting sites in Approved and Conditionally Approved areas or in Restricted or Conditionally Restricted areas designated for depuration may be closed for not more than three years and then opened to harvest by the public or by specially permitted commercial diggers engaged in the harvest of clams for depuration pursuant to MGL Chapter 130, section 54.

9. If the culture technique used as part of the planting project involves rafts, racks, reefs, floats, bags, moorings, placement of cultch or protective netting, then additional permits may be required by U.S. ACE, MA DEP and the local conservation commission and harbormaster.

10. Oyster, quahog and softshell clam shell used as cultch shall be aged on land for a minimum of one year. Shell from other species of bivalves such as surf clam, ocean quahog, scallops and mussels may be used without limitations. All issues regarding approved shell cultch must be addressed by *MarineFisheries* prior to placement into coastal waters.

11. If shellfish will be harvested and sold, additional *MarineFisheries'* and local permits are required. At the local level a municipal commercial shellfish permit is necessary. In addition, a state Commercial Fishermen Permit issued by *MarineFisheries* pursuant to 322 CMR 7.01, endorsed for shellfish allows the

[4] Once *MarineFisheries* receives a Special Project permit application, the local shellfish constable is contacted for feedback.

named individual, either wild harvester of private aquaculture license holder, to harvest, possess, land and sell shellfish using a Shellfish Transaction Card issued with the permit in conjunction with a Massachusetts Drivers License or a Registry of Motor Vehicles identification card.

In order to apply for a permit, a proponent should fill out an Aquaculture permit application if they hold a municipal private aquaculture site license or a Special Project permit application for propagation or research projects. These applications can be found at (http://www.mass.gov/dfwele/dmf/commercialfishing/permit_index.htm) under Special Permits.

Further Information on Permitting and Management

This section contains more detail concerning the permitting mechanisms and specific jurisdictions for the permitting and management of planting activities.

Waters under Municipal Control

Coastal cities and towns have authority under MGL Chapter 130, section 52 to manage, regulate, and permit shellfishing in their waters provided that these areas have not been declared contaminated under MGL Chapter 130, sections 74 and 74 A.

Municipalities may extend their authority under section 52 to contaminated areas in accordance with a management plan developed with assistance and approval of the director of *MarineFisheries*. Historically, municipalities and towns have not opted to use this provision of the statute. Instead, coastal communities with softshell clam depuration fisheries have developed conservation and management plans as provided in MGL Chapter 130, section 75, which gives municipalities' specific authority to manage this fishery, require permits and collect fees subject to *MarineFisheries* approval. The authority in sections 52 and 75 to develop contaminated area management plans is the same. Section 75 deals in more detail with the softshell clam depuration fishery and local permitting of master and subordinate diggers that hold state permits.

Under any contaminated area management plan, the municipality is responsible for resource management and enforcement including patrol to prevent illegal harvesting and diversion of shellfish into commerce. Most municipalities do not assume the added responsibility in areas that cannot be harvested for direct shellfish consumption. Most activities such as relaying or transplanting of shellfish from contaminated waters to Approved waters are routinely accomplished under *MarineFisheries* permits as required by the NSSP.

If a municipality wants to grow shellfish to improve water quality and eventually transplant or relay shellfish to remove the nitrogen from contaminated waters, the municipality may assume control of a specific contaminated water body or portion of the contaminated waters within its municipal boundaries under a management plan (section 52). Ultimately, the shellfish must be utilized in the public shellfisheries. *MarineFisheries* approval of a management plan authorizing such activity would be

contingent on the ability and commitment of the town to prevent illegal harvest and diversion of contaminated shellfish into commerce. If a municipality is interested in developing a contaminated area management plan, the selectmen or city council should contact the director of *MarineFisheries*.

Municipal Propagation Authority

Municipalities may plant, propagate, and protect shellfish in waters and flats within their jurisdiction under provisions of MGL Chapter 130, section 54, provided that the area is not subject to a private grant and private rights are not impaired. Section 54 further provides that areas closed to protect shellfish being cultivated in approved waters must be reopened in not less than three years. The purpose of the restriction on the length of closure is to ensure public access to shellfish harvest areas.

Municipalities may rely on various strategies to propagate shellfish ranging from passive natural propagation to intensive shellfish culture techniques. In the former, management openings and closures of harvest areas are rotated consistent with the three year closure restriction and propagation depends on natural spawning and setting. Additionally, towns may plant seed and legal size shellfish from state approved sources utilizing various culture techniques and predator exclusion methods to enhance growth and survival by protecting vulnerable seed and intermediate size shellfish. Any planting method other than natural setting requires a *MarineFisheries* propagation permit. If the culture technique involves rafts, racks, floats, bags, moorings, placement of cultch or protective netting, then additional permits may be required by the U.S.ACE, MA DEP, and the local conservation commission and harbor master.

Municipalities may conduct propagation efforts with city or town personnel, volunteers other organizations or institutions as deemed appropriate by the selectmen or city council. Non-municipal entities would be covered by the municipal propagation permit as local agents.

Private Shellfish Aquaculture Site License (Shellfish Grants)

Coastal cities and towns may under MGL Chapter 130, section 57 grant to any person a shellfish aquaculture license. The license shall authorize the licensee at all times of year, in, upon, or from a specific portion of coastal waters, tidal flats, or land under coastal waters in the municipality: (1) to plant and grow shellfish both on and off the bottom, (2) to place shellfish in or under protective devices affixed directly to the tidal flats or land under coastal waters, (3) to harvest and take legal shellfish, (4) to plant cultch for the purpose of catching shellfish seed, and (5) to grow shellfish by means of racks, rafts, or floats.

Notwithstanding the activities authorized by an aquaculture license, any use of structures or gear to accomplish off bottom growth and protect shellfish from predators as described above in (1), (2), (4) and (5), may require additional permits from U.S. ACE, MA DEP, the local conservation commission and harbor master.

The licensee has exclusive rights to a specified site to grow shellfish subject to rules and regulations governing aquaculture promulgated by the local authority and *MarineFisheries* (322 CMR 15.00) and all terms and conditions made part of the license by both.

The purpose of the license is to grow shellfish to be marketed and the local city council or selectmen may specify a reasonable yearly market value to be produced by each shellfish project licensed (MGL Chapter 130, section 65). Any other use of a private shellfish grant license is considered inconsistent with the intent of the statute.

The director of *MarineFisheries* has no authority to issue private shellfish grants (private shellfish aquaculture site licenses) in waters under municipal control as provided in MGL Chapter 130, section 57 even in situations where the director exercises temporary control of shellfish in a coastal city or town as provided in Chapter 130, section 52. *MarineFisheries* has no authority to license private aquaculture in contaminated waters nor do the coastal cities and towns.

Permits Issued by MarineFisheries

MarineFisheries has authority under MGL Chapter 130, section 83 to issue various permits including permits for special projects. Special Project permits (322 CMR 7.01 (4) (d)) authorize an individual *to engage in a specified marine fishery project including but not limited to aquaculture, mariculture, scientific, environmental or biological collection and study, assessments or experimentation, collection and possession for educational purposes, shellfish relay and shellfish propagation*. Authority specifically for aquaculture activities is provided in MGL Chapter 130, sections 17B, 69, 83 which specifies that the director of *MarineFisheries* can issue permits with terms and conditions authorizing the possession and taking of fish, including shellfish, at any season and of any size for purposes of propagation, rearing, harvesting or sale in connection with an aquacultural enterprise in which the fish being propagated, reared and harvested are kept separate from natural stocks of the same species. Under authority of MGL Chapter 130, sections 17, 69, 75, 80 and 83, municipalities may take, possess and relay/transplant contaminated shellfish for propagation and natural purification as conditioned by *MarineFisheries* and in compliance with the NSSP.

A Special Project Permit is required for all shellfish planting activities. Depending on the type of Special Project being proposed, specific information is required in the application. The following permits are the main types of Special Project Permits *MarineFisheries* issues relevant to shellfish planting.

- Aquaculture Permit - for private growers
- Contaminated Transplant/Relay Permit - for municipalities
- Propagation Permit - for municipalities or private growers
- Research Project Permit

MarineFisheries regulates the source and the species of shellfish to be introduced into the marine waters of the Commonwealth pursuant to MGL Chapter 130, sections 57 and 69 and in 322 CMR 15.00 Aquaculture Regulations at 15.03 (seed) and 15.07 (source). All

Special Project permit applications must identify the species to be propagated, source and movement of seed shellfish. Shellfish must be from a source approved by *MarineFisheries*. Approval is based on the disease history of the source and actual testing of brood stock and seed for known shellfish diseases and parasites. Approved sources are listed annually on the *MarineFisheries* website (http://www.mass.gov/dfwele/dmf/programsandprojects/shellhatch.htm).

The purpose of these restrictions is to prevent the introduction of shellfish diseases, parasites, pests and competitors that may threaten the diversity or abundance of native species or the ecological stability and/or uses of infested waters that could have adverse impacts on or decimate natural shellfish populations, public shellfish propagation efforts and private shellfish aquaculture.

If a planting activity involves multiple components, a single Special Project Permit is conditioned to allow the entire activity and is all that is required. If harvest or sale of shellfish is anticipated, additional commercial permits are required.

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Appendix 16

Massachusetts Marine Artificial Reef Plan - In Folder Appendix 16

Fisheries Policy

Massachusetts Division of Marine Fisheries
Fisheries Policy Report FP – 3

Massachusetts Marine Artificial Reef Plan

M. A. Rousseau

Massachusetts Division of MarineFisheries
Department of Fish and Game
Executive Office of Energy and Environmental Affairs
Commonwealth of Massachusetts

June 2008

Massachusetts Division of Marine Fisheries
Fisheries Policy Report FP - 3

Massachusetts Marine Artificial Reef Plan

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June 2008

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Executive Summary

In 1984, Congress enacted the National Fishing Enhancement Act (NFEA), authorizing the National Oceanic and Atmospheric Administration (NOAA) to establish national guidelines providing direction for individual states to develop site-specific artificial reef development plans. The National Marine Fisheries Service (NMFS) compiled The National Artificial Reef Plan (NARP) in 1985, providing general guidelines to states for artificial reef siting, materials and design, permitting, monitoring, and management strategies. The Massachusetts Division of Marine Fisheries (*MarineFisheries*) first began formal involvement with reef deployment in the 1970's when technical assistance was provided to the Town of Yarmouth for the siting of a tire reef in Nantucket Sound. Two additional reefs have been deployed in MA waters; however, these projects were developed on an *ad hoc* basis, with no sanctioned state policy to guide the permitting agencies. Interest in artificial reefs continues to increase, resulting in a greater demand for their creation by user groups, conservationists, and governmental agencies. In order to prepare for this demand, this plan has been developed to guide the construction, management, and monitoring of artificial reefs in state waters.

It is important to evaluate the current state of knowledge on artificial reefs and understand how this information relates to an artificial reef program for Massachusetts. Renewable fisheries resources are important to the economy and culture of coastal communities in Massachusetts. Spatial and temporal variability of climate and oceanography along the Massachusetts coast affect species diversity, abundance, and species composition on a localized scale not experienced by other Atlantic coastal states. Additionally, growing urban populations and increased tourism have placed more demands on resource managers to develop innovative techniques to effectively protect and manage marine resources for future generations. Artificial reef sites in the coastal and inland waters of the United States have been used to increase access to marine resources for fishermen and divers for over thirty years. Artificial reefs have also been deployed to provide additional fisheries habitat, and used as mitigation for the loss of existing habitat due to coastal alteration projects. Scientists believe that artificial reefs have the potential to serve as a useful tool in fisheries and habitat management, and can generate significant economic benefits for states with well-established reef programs. However, artificial reefs are not without risks, and resource managers must weigh the biological, physical, and socio-economic advantages and disadvantages of each proposal.

The identification of the intended purpose(s) of an artificial reef is a critical component of the development process. Artificial reefs in the United States have been designed primarily to support and enhance recreational fishing effort. Other, more limited uses for artificial reefs include; commercial fisheries enhancement, subsistence fishing, recreational diving, habitat restoration or expansion, coastline protection, marine sanctuaries, mitigation for habitat loss, and as fisheries management tools.

Understanding the criteria for siting and permitting an artificial reef project, and recognizing the responsibilities required of the applicant and the agencies involved in the permitting process is essential for proper project development. Optimal reef development locations are identified using a three-step approach: development zone identification, exclusion mapping, and delineating an area of greatest potential benefits. Unique partnerships in artificial reef development between state, federal, and private interest groups have been formed. Generally, the state serves as the lead management agency and the primary entity in artificial reef plan implementation. Most states also participate in regional communication and coordinate essential artificial reef management activities through their respective Interstate Fisheries Management Councils (IFMCs). Through the permitting process, every effort is made by federal, state, and local governments to ensure potential reef sites are selected that minimize the user group conflicts. All preparations, modifications, or special conditions necessary for transport and deployment of materials must meet permit specifications prior to any projects implementation.

To assure compliance with permit conditions and other applicable regulations, artificial reefs should be monitored to assess performance, and to confirm that the goals and objectives of the reef design are being achieved. This information is beneficial for improving existing reefs and for building effective reefs in the future. Biological monitoring of existing reefs helps identify research priorities in order to gain a better understanding of how artificial reefs can be utilized as fisheries management tools. Compliance monitoring is established during the permitting process to assure conformity to conditions or restrictions defined in an artificial reef permit. Performance monitoring evaluates an artificial reef or reef system to assure the established goals and objectives are being met, and may include the collection of preconstruction or site selection background data.

To manage the Massachusetts Artificial Reef Program, *MarineFisheries* has adopted a series of policy statements to direct artificial reef efforts. These statements address the administration of the Massachusetts Artificial Reef Program, the planning and development of new artificial reefs, deployment, monitoring, and maintenance of reefs, and the management and use of artificial reef sites. The Artificial Reef Plan also calls for a five-year review in order for this plan to reflect most current information and science as it relates to artificial reefs in Massachusetts.

Artificial reefs constructed in the waters under the jurisdiction of this state and the contiguous federal waters should be designed, built, and monitored in accord with the guidelines outlined in this plan. As the state agency responsible for the marine resources of the Commonwealth, *MarineFisheries* is best suited to administer and coordinate all artificial reef-building activities in state waters and be the primary agent for these activities in federal waters.

I. Introduction

In 1984, US Congress enacted the National Fishing Enhancement Act (PL-98-623). Language in this act strongly encourages effective and responsible artificial reef development programs under state management. Section 203 of the act mandated that NOAA, in consultation with other federal, state and intergovernmental agencies, develop and publish the National Artificial Reef Plan (Stone 1985). This plan set national guidelines for reef development and provided direction and guidance for individual states to develop site-specific reef development plans. The Joint Atlantic States Marine Fisheries Commission (ASMFC) and Gulf States Marine Fisheries Commission (GSMFC) Reef Committee updated the National Artificial Reef Plan (NARP) in 1998. A revision draft written in 2002 is presently undergoing federal agency review. This revision provides updated information to address:

- A synopsis of existing information on artificial reefs
- Criteria for siting and constructing artificial reefs
- Methods for monitoring the compliance of artificial reefs to permit requirements
- Methods for managing artificial reef use
- Research needs for artificial reef technology and management strategies
- Alternatives evaluation to facilitate the transfer of artificial reef construction materials to permit holders

Section §205 of this Act requires the Secretary of the Army to determine that all applicants demonstrate financial ability to assume liability for any reef-related damages. This has shifted the emphasis from private, local efforts to state-sponsored programs.

The Division of Marine Fisheries (*MarineFisheries*) is the lead agency in the Commonwealth of Massachusetts for the management and enhancement of marine fisheries resources, and for the promotion and development of the recreational and commercial marine fisheries. Under Massachusetts General Law (MGL) Chapter 130, the director of *MarineFisheries* has the authority to:

- Section 17(3): Investigate questions relating to fish and personally or by assistants, institute and conduct inquiries pertaining to such questions, and conduct such biological research and assist cities and towns in the development of shellfish conservation and management plans as will, in his opinion, tend to conserve, improve, and increase the supply of fish in the coastal waters.

- Section 17(6): Establish and maintain properties at such places within the commonwealth as he may select for the purpose of propagating, rearing, and protecting fish.

- Section 17(7): Occupy, use, and control, not exceeding ten ponds and estuaries, creeks or other arms of the sea, within the coastal waters, and the necessary land thereto adjoining, for the propagation and distribution of fish frequenting the coastal waters and for the scientific investigation of their habits, if such occupation and use do not impair the private rights of any person or materially obstruct any navigable waters. Notice of such occupation and use and the purpose thereof shall be conspicuously posted by the director at the nearest points to said ponds and estuaries, creeks or other arms of the sea, and shall be recorded in the registry of deeds in the county or district where they are situated.

Depending upon the location and size of an artificial reef, other federal and state agencies may have an authoritative role during the permitting process. More information detailing the individual local, state, and federal agencies roles are provided in chapter 5.

MarineFisheries supports and participates in enhancement efforts when these activities do not disrupt traditional fishing practices, or adversely affect existing fish populations or the ecosystem. *MarineFisheries* will support artificial reef construction when the following conditions are met:

- An artificial reef will not adversely affect other fisheries
- Substantial natural cover is absent
- Hydrographic and substrate conditions will support reef stability
- Materials used and construction methods will ensure long-term utility

The creation of artificial reef habitat has been employed by many coastal states as an effective method of increasing fisheries productivity, providing additional recreational and commercial fishing opportunities for hard substrate dependent fisheries, and enhancing the forage base (Ambrose 1994; Ditton et al. 2002; Figley 2004; Myatt and Myatt 1992; Stevens and Pondella 2002). Artificial reefs can enhance the recreational experiences of anglers and divers, augment fisheries habitat, and mitigate the loss of existing habitat from coastal alteration projects. Whether artificial reefs attract fish or produce fish is a debate that U.S. fishery managers have not been able to settle. As interest in artificial reefs increases, so will demand for their creation by user groups, conservationists, and government agencies. In order to prepare for this demand, this artificial reef policy has been developed to guide the construction, management, and monitoring of artificial reefs in Commonwealth waters.

1.1 Purpose of MA Artificial Reef Plan

The Artificial Reef Plan (The Plan) is intended to provide Massachusetts with an operational framework for administering the responsible long-term management of artificial reefs in the marine waters of the Commonwealth. This Plan addresses several fundamental features necessary for establishing an effective artificial reef program including:

- Outlining *MarineFisheries'* management authority for artificial reefs
- Justifying the need for an Artificial Reef plan
- Coordinating and facilitating artificial reef development
- Assessing the feasibility for reef placement
- Recognizing the diversity of localized habitats
- Maintaining a long range focus for reef development and monitoring
- Addressing local and regional needs
- Evaluating existing artificial reefs (successes and failures)
- Summarizing existing standards for artificial reef materials
- Providing guidance for artificial reef permitting
- Advocating criteria for responsible site selection, construction, and maintenance of artificial reefs
- Instituting standards for monitoring artificial reefs in Massachusetts' coastal waters

This Plan utilizes information compiled from current scientific literature, artificial reef programs in other states, guidance documents created by the Interstate Marine Fishery Commissions (IMFCs), the NARP, and current field research. The material contained in this document may be revised as new information becomes available.

1.2 Definition of an Artificial Reef

MarineFisheries defines an artificial reef as:

> *An area within the marine waters of the Commonwealth in which approved structures have intentionally been placed or constructed for the purpose of enhancing benthic relief. Structures*

may be designed to provide and/or improve opportunities for recreational and commercial fishing, aid in the management or enrichment of fishery resources and ecosystem services, or to achieve a combination of these objectives.

The *MarineFisheries'* definition of artificial reefs focuses on benefits to fishery resources. Other environmental resources and ecological services including but not limited to shoreline protection, sediment transport, and habitat protection, and some forms of mariculture where the function of benthic relief may serve a different primary purpose, and may provide benefits to fishery resources as a secondary objective. Some water dependent activities including shellfish aquaculture are specifically addressed in the US Army Corps of Engineers (ACOE) Programmatic General Permit (PGP) for Massachusetts and are excluded from this definition (ACOE 2003).

1.3 Biological Productivity and Aggregation

Artificial reefs are used as tools by resource managers to enhance desired species, attract fish to more suitable areas, restrict certain gear types, and to partition activity among competing user groups (Sheehy 1985). The fundamental question in artificial reef science today examines whether artificial structures have the ability to produce new fish biomass or whether reefs merely concentrate existing fish populations (Bohnsack 1989). Several studies demonstrate the attractive properties of artificial reefs by documenting the ability of artificial reefs to yield higher catch rates of targeted fish species when compared to similar fishing over natural reef areas (Turner et al. 1969; Candle 1985). Other studies outline the production properties of artificial reefs by documenting higher densities of mature fish on artificial reefs when compared to nearby natural reefs (Love et al. 2006). The consensus of the 8th Conference on Artificial Reefs and Artificial Habitats (CARAH) was that artificial reefs "are now believed to be more of a continuum, both attracting and enhancing fish populations. Properly constructed, and strategically sited artificial reefs can enhance fish habitat, provide more access to quality fishing grounds, benefit fishermen, divers and the economies of shore communities, increase total biomass in a given area and provide managers with yet another option for conserving, managing and developing fishery resources."

The degree of attraction or production of an artificial reef may be the direct result of many complex variables, including location of the reef, type of reef materials, life history, behavior of fish species, proximity of natural reefs, age of the reef, and numerous environmental factors. Since the majority of artificial reefs have the ability to serve in each capacity, fisheries managers and other reef builders must consider the consequences of production and aggregation of reef fish populations when planning new reefs or establishing management policies for future and existing reefs. The wise use of artificial reefs as a potential tool for fisheries management requires the implementation of sound standards and practices regarding construction, maintenance, and exploitation of all artificial reefs established.

1.4 Goals and Objectives of MA Artificial Reef Program

As the agency responsible for managing the living marine resources and the harvesting of those resources for the Commonwealth, it is the mission of *MarineFisheries* to maintain a diverse number of self-sustaining fish populations at healthy levels of abundance in balance with the ecosystem. Since artificial reefs have the potential to enhance fisheries productivity, and there is a history of use in the Commonwealth, the *MarineFisheries* artificial reef program has set goals and objectives that emphasize a responsible, consistent, and long-term approach to the development and management of artificial reefs. The goals and objectives of *MarineFisheries*' Artificial Reef Program emphasize a responsible, consistent, and long-term approach that examines the potential for development and management of artificial reefs. This approach endorses technical assistance, planning, and monitoring to identify techniques for artificial habitat development that will enhance and/or attract biomass, augment commercial and recreational fishing, and provide tools for long-term fisheries research and management;

while ensuring such development does not adversely affect existing fisheries. With this approach, *MarineFisheries* expects to achieve the following overall objectives:

- Ensure future reef development has biological justification to meet fishery management and resource protection needs
- Use responsible reef planning to prevent adverse affects to habitat and fisheries resources
- Minimize conflicts between competing users of marine resources
- Improve artificial reef monitoring and research
- Increase access for commercial and recreational users
- Utilize artificial reefs as a fisheries management tool
- Enhance fishery resources to the maximum practicable extent

This Plan highlights the steps necessary to ensure responsible planning and development of artificial reefs in Massachusetts in accordance with established interstate and national standards. The process is designed to provide the greatest benefit to marine resources while minimizing user group conflicts that may arise with further artificial reef development.

1.5 History of Artificial Reefs in Massachusetts

There are four artificial reef sites in Massachusetts' coastal waters (Figure 1). In 1978, *MarineFisheries* assisted the Town of Yarmouth with the planning and deployment, of an artificial reef in Nantucket Sound. This reef was designed to provide desirable habitat for finfish and lobsters in a relatively featureless area, and to render a constructive means of utilizing old tires. Reef monitoring was undertaken with the aid of SCUBA diving, side scan sonar, and user group surveys from 1978 to 1981. Monitoring results indicated successful structure stabilization, attraction, and colonization of macrobiota, and improved recreational angling (Bugley et al. 1994).

In 1997, *MarineFisheries*, in partnership with the University of Massachusetts at Dartmouth (UMD), planned and developed a more sophisticated artificial reef project. The Dartmouth Artificial Reef project was supported by state funds and implemented with the encouragement and support of local and state officials. The 3.5 acre site is located in Buzzards Bay, southwest of Salter's Point in Dartmouth, and is composed of prefabricated concrete units ("reef balls"). The reef balls occupy a total footprint of approximately 242 square yards, or less than two percent of the total area of the permitted site. Annual inspections revealed that this deployment has remained stable and seasonally supports numerous species of structure-oriented fish such as cunner (*Tautogolabrus adspersus*), tautog (*Tautoga onita*), scup (*Stenotomus chrysops*), and black sea bass (*Centropristis striata*).

In 1999, the Massachusetts Turnpike Authority (MTA), as part of the Massachusetts' Central Artery ("Big Dig") Project, constructed an artificial reef, known as the Sculpin Ledge reef, in Boston Harbor. MTA built the reef to provide partial mitigation for the destruction of blue mussel (*Mytilus edulis*) and American lobster (*Homarus americanus*) habitats that were filled during the capping of a landfill on Spectacle Island in Boston Harbor. The northernmost artificial reef system in the United States at the time of its deployment, it was designed to create a new ecosystem in the harbor, primarily as habitat for blue mussels, lobster, and other shellfish. The reef site consists of 17 terrace-type modules and six cobble/boulder patch reefs (MTA n.d.). *MarineFisheries* has monitored bottom water temperature at this site since 2001 using programmable electronic recorders and has included one of the cobble patches in its annual coast-wide early benthic phase (EBP) lobster sampling efforts.

In 2006, *MarineFisheries* constructed an artificial reef east of Lovell Island and south of the Hypocrite Channel as a means of providing mitigation for the assumed biological impacts to hard bottom from the HubLine construction in Massachusetts Bay. The HubLine reef, also known as the Brewster Island reef, consists of six rectangular modules containing an assortment of variable sized rocks arranged in three parallel arrays with three additional control plots for comparative monitoring. The design targets the

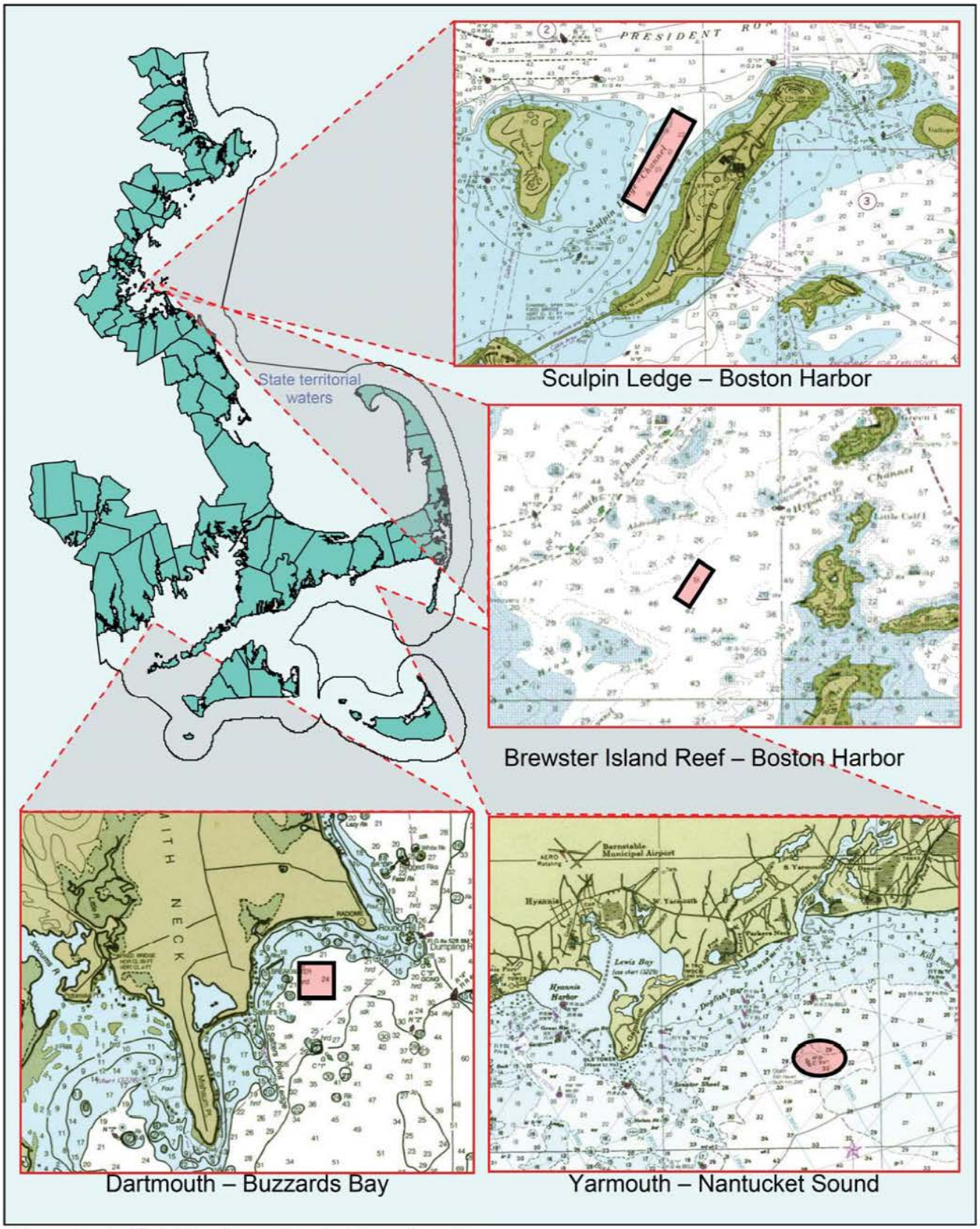


Figure 1. Artificial Reef Locations in Massachusetts.

habitat requirements of different life history stages of invertebrate and finfish species. The reef arrays are situated perpendicular to the prevailing current to promote larval transportation and food delivery to reef dwellers. The entire footprint including spacing, reef, and control areas is 1.7 acres in size. The proposed dimensions of the cobble/boulder area (0.59 acres) are twice the size of cobble reefs deployed at in Boston Harbor (Sculpin Ledge).

To evaluate the success of this project, a structured monitoring program was designed to characterize and track juvenile settlement and development of invertebrate and finfish populations on the reef. Lobster size-distribution and settlement on the reef is being compared to adjacent areas in Massachusetts Bay, including sites on disturbed areas of the HubLine pathway. The elements of the monitoring program include visual dive surveys, optical/acoustical surveys, EBP suction sampling, and a ventless trap survey. This monitoring program was funded from a HubLine mitigation grant through 2007. *MarineFisheries* will continue annual monitoring efforts as long as funds are available.

Continued interest in proposing new reefs reveals the need for development of a formal Massachusetts artificial reef policy. This policy will offer clarified goals and limitations for the introduction of artificial reefs in state waters, identify data gaps and research needs, and serve as a guidance document for the future artificial reef proposals in Massachusetts.

II. Technical Evaluation

Artificial reefs are designed to intentionally alter the ecological function of benthic habitat in an area determined to be of lesser productive value. Reef designs are employed by coastal resource managers because they can mimic the characteristics of natural reefs (Bohnsack and Sutherland 1985). Planning during reef development can minimize potential problems; however, artificial reefs are not without risks. Successful artificial reef programs vary in their specific intent; from reefs in Japan built to increase commercial fisheries yields, to reefs in Europe constructed to prevent trawling in specific areas (Baine 2001). Fisheries managers and reef builders must consider the consequences of production and aggregation of reef fish populations when planning new reefs or establishing management policies for future and existing reefs. Reef building may pose risks to fisheries resources by increasing fishing effort and catch rates, increasing access to previously unexploited stock segments, and concentrating previously exploited segments of the stock (Grossman et al. 1997). It is important for artificial reef managers to build upon the successes and failures of other artificial reef programs, while recognizing the geographic, oceanographic, and demographic characteristics that make each region unique.

2.1 Benefits and Risks of Artificial Reefs

Artificial reefs have been deployed throughout the world in various forms in attempts to improve fish productivity and increase commercial and recreational fishing opportunities. Official documentation of artificial reef use dates back to the 17th century in Japan (Sata 1985). In the United States, early artificial reef development efforts focused on using reefs to enhance recreational fishing opportunities. Advancements in the science and technology have identified several benefits of artificial reef development including:

- Use as a tool for mitigating habitat alteration
- Increasing biodiversity through the use of more complex structure
- Additional opportunities for scientific research
- Water quality improvements from filter feeders
- Increased access for land based fisheries (increased recreational opportunities)

The risks associated with artificial reef development are also well documented. Bohnsack and Sutherland (1985) attributed artificial reef failures to the use of unsuitable materials, inappropriate site selection, and natural forces. These authors also cited biological and socioeconomic failures whereby artificial reefs did

not result in increased fish abundance and greater angler success. The Reef Committees of the ASMFC and GSMFC have examined the successes and failures of reef programs from Massachusetts to Texas and have prepared guidelines concerning the appropriateness and preparation of a wide variety of reef-building materials (Lukens and Selberg 2004). The experiences of many state artificial reef programs have identified many potential risks associated with artificial reef development and have predicated most of the procedures, policies, guidelines and restrictions in this artificial reef plan.

2.1.1 - Biological benefits and risks

The surface area of an artificial reef assists with the development of fast-growing, highly productive fouling communities that feed on plankton and detritus brought to them by ocean currents. Anchored to the firm reef substrate, fouling organisms can better withstand the destructive force of ocean storms. This increase in biomass provides a food source for fish and other marine life, which feed on fouling organisms (Baine 2001). Interstitial spaces and crevices of reef structures provide fish and other marine life shelter to avoid predation. Demersal fish species frequent reef sites to feed on reef-associated species. Waste products shed from reef communities enrich the surrounding sediments and promote the growth of infauna. Invertebrates colonize reef structures and filter algae, organic matter, and bacteria from the water column, improving the water quality of the surrounding area (Svane and Petersen 2001). Large pelagic fish species frequent reefs to feed on reef fish and crustaceans.

The biological risk associated with artificial reef development has been subject to limited scientific study. The NARP and guidance documents created by the various IFMCs have developed standards to eliminate obvious biological hazards such as chemical pollutants and the destruction of existing productive habitat that may occur with the creation of new artificial reefs. These documents draw from problematic or failed artificial reef projects and utilize the permitting process in an effort to avoid repeating these failures. Quality standards have been set for materials. Procedures have been developed for preparing materials and supervising deployment. Monitoring protocols have been implemented to verify the stability of reef materials on the sea floor. Other biological risks may include but are not limited to: species displacement, species over-enhancement, a lack of success in enhancing fish productivity, disruption of migratory patterns, overfishing, disease occurrence associated with the concentration of marine populations, and the proliferation of non-native species. These risks will require further evaluation on a case-by-case basis by the state. Further biological assessments of artificial reefs and the species they influence may reveal additional biological risks and provide the means to formulate more knowledgeable management decisions and strategies regarding artificial reefs (Figley 2004).

2.1.2 - Physical benefits and risks

The surface area of an artificial reef represents the interface where an animal lives and its exposure to the water column. Three-dimensional reef structures, with more vertical relief, have more living area for the same relative unit of sea floor. The taller and more complicated a structure, the greater available surface area for marine life to colonize and the more productive it can be. The interspersion of reef, natural substrate, and open-water habitats provides greater environmental complexity, which fosters greater biodiversity than the habitats by themselves.

Artificial reef habitats have physical characteristics that influence the species diversity and abundance of marine life inhabiting them. Their designs are structurally complex, increasing the amount of interstitial space used by fish and motile invertebrates for refuge and foraging, mimicking natural hard bottom habitats, and providing greater surface area for the colonization of primary producers. Currents diffused by reef structures can provide areas of calm water, and reef inhabitants can better utilize energy that would otherwise be expended swimming against a current for growth (Chang 1985).

Using any tool that alters the environment involves physical risks that relate to the construction, placement, durability, and stability of artificial reefs. These risks include:

- Accidental sinking of artificial reef material off the designated reef site that could result in damage to fishing gear or cause the unintentional creation of an impediment to navigation
- Movement of material by currents or wave forces from designated reef sites into areas where it may conflict with other maritime or coastal interests, such as swimming beaches
- Damage to, or destruction of existing high quality habitats from poor planning or misplaced or moving materials
- Alterations to the hydrographic characteristics of an area
- Alterations to the sediment transport characteristics of an area
- Dragging of materials off reef sites by anchor lines, commercial trawls or dredges
- Disintegration of reef material causing the habitat to not function as intended
- Siltation or shoaling over of reef materials
- Violation of clearance requirement, thus presenting a threat to navigation
- The permanence of the physical alteration brought about by reef construction and the difficulty of removing reef structures

2.1.3 - Socio-Economic benefits and risks

Artificial reefs in the United States have been designed primarily to support and enhance recreational fishing effort despite the fact that it remains uncertain if they can enhance fisheries or be detrimental to fisheries. In New Jersey, party boat fishing effort on artificial reefs increased from 3 percent in 1970 to 47 percent in 2000 in conjunction with an extensive increase in reef building efforts during that period (Figley 2001). Artificial reefs may also provide benefits for commercial fisheries, subsistence fishing, recreational diving activities, habitat restoration or expansion, marine sanctuaries and mitigation for habitat loss.

Socio-economic risks associated with artificial reefs include:

- User conflicts such as those between anglers and divers or recreational and commercial fishermen, or between fisheries and other competing uses of the ocean such as navigation, sand mining, undersea cables and pipelines
- Increased demands on the existing coastal access facilities
- Contamination of seafood by chemicals leached from reef structures
- Injury or death to a SCUBA diver caused by reef structure
- Lack of public interest in using reefs
- Excessive materials and construction costs that may not bring the expected return on investments
- Excessive travel costs associated with distances from harbors to artificial reef location

The success of any artificial reef is dependent upon location, materials used in reef construction, proximity to natural reefs, age, behavioral and life history characteristics of targeted marine species, and numerous other environmental parameters. Other advantages of properly designed and maintained artificial reefs include:

- Reefs sited in close proximity to ports reduce fuel consumption and boat travel time
- Reefs increase the total amount of habitat available for recreational activities
- Locations can be publicized to provide easily locatable recreational opportunities
- Multiple users utilizing reefs simultaneously provide an additional element of safety

2.2 Comparative Differences of MA to Other Coastal States

Artificial reefs are utilized in the offshore environment of almost every coastal state. McGurrin et al. (1989) found that 76% of permitted artificial reefs along the Atlantic coast were located in offshore

waters, with the remaining 24% located in estuarine waters. What is known about the biology of marine artificial reefs is based on years of research and observations conducted primarily on offshore reefs.

The location of Massachusetts along the eastern seaboard is unique. Current and historical geologic and oceanographic forces have shaped the distinctive habitats and species compositions that occur today. Massachusetts' South Shore delineates the northern edge of the Mid-Atlantic Bight. The warmer water of the Gulf Stream influences this region. Cape Cod Bay and the North Shore of Massachusetts are located in the western Gulf of Maine (GOM) and are influenced by the colder waters of the Labrador Current. During the summer, water temperatures are an average of 5° C warmer in Buzzards Bay and southern Cape Cod compared to Massachusetts Bay and the north shore. This spatial and temporal variability in climate and oceanography also affects species diversity, abundance, and composition on a localized scale not experienced by other Atlantic coastal states. Seasonal temperature fluctuations also limit or inhibit primary productivity and colonization. Shorter seasonal migration patterns of marine species and larger fluctuations in annual temperature ranges further limit the length of the recreational season. Natural, hard substrate habitat is more common in Massachusetts marine waters compared to most states along the Atlantic seaboard. These natural bedrock outcroppings, cobble shoals, and other substrate types provide important locales for refuge, spawning, and foraging of fish (Gannon et al. 1986).

2.2.1 - Geography

Glacial ice migrating across the region 10,000 to 20,000 years ago carved out basins, ridges, and valleys, and deposited sediments and debris throughout the GOM region (Oldale et al. 1994). Changes to the shoreline during this period were affected by the rise and fall of sea level and the compression of the landmass from the massive weight of the glacier. Initial expansion of the glacier froze massive volumes of seawater, causing a global reduction in sea level and depressed the land mass beneath it. Glacial deposits, including large boulders, gravel, and fine silts and mud created an assorted array of geologic assemblages amongst large areas of exposed bedrock outcroppings (Knebel 1993). This heterogeneous mixture of materials deposited as the glacier retreated created habitat niches that are populated by distinctive biotic assemblages unique to the northeast region of the United States (Wahle 2000). The frequency of rocky outcroppings north of Cape Cod and the prevalence of glacial depositional areas in southeastern Massachusetts exemplifies the geological diversity along the Massachusetts' coast. Cape Cod, Nantucket, and Martha's Vineyard were formed from terminal moraines during various stages of glacial expansion and retreat (Wahle 2000). Salt marshes, barrier beaches, sea grass beds, estuaries, tidal mud flats, salt ponds, coastal embayments, open coastal waters, and rocky shores are common marine, estuarine, and coastal habitats found along the Massachusetts coast (Tyrell 2005).

2.2.2 - Oceanography

Massachusetts is located between two large marine systems, the GOM system (part of the Acadian province), and southern New England system (part of the Virginian province). The coastline of northern Massachusetts is bordered by the GOM, where the prevailing currents rotate in a counterclockwise direction, with some seasonal variability. Southern Massachusetts is located along the northern edge of the Mid-Atlantic Bight. The Gulf Stream brings warm water from the south, initially from the coast of Florida, moving east off the North Carolina coast and then northeast across the Atlantic Ocean.

Massachusetts is influenced by physical, chemical, and biological oceanographic processes that act on regional and local scales. The North Atlantic Oscillation, for example, is a large global climatic pattern that influences the oceanography of the North Atlantic Ocean (including Massachusetts). Atmospheric pressure drives surface winds and wintertime storms from west to east across the North Atlantic affecting climate from New England to Western Europe. Individual rivers entering Massachusetts coastal waters affect oceanographic conditions, such as current, salinity, and temperature. These small and large features interact to influence the oceanography and ecological function of Massachusetts (Geyer 1992).

Spatial and temporal variability of oceanographic conditions affects species diversity, species composition, and other natural resource parameters. Bathymetry, climate, and tides create complex mixing regimes that enhance nutrient cycling and primary productivity over Georges Bank and northeast GOM. The steep north-south thermal gradient along the coast makes it a faunal transition zone. The glacially influenced coast and seabed create a unique benthic habitat along the US east coast that serves as a nursery to lobsters and cod, two of the regions' most valuable fisheries (Wahle 2000).

2.2.3 - Demography

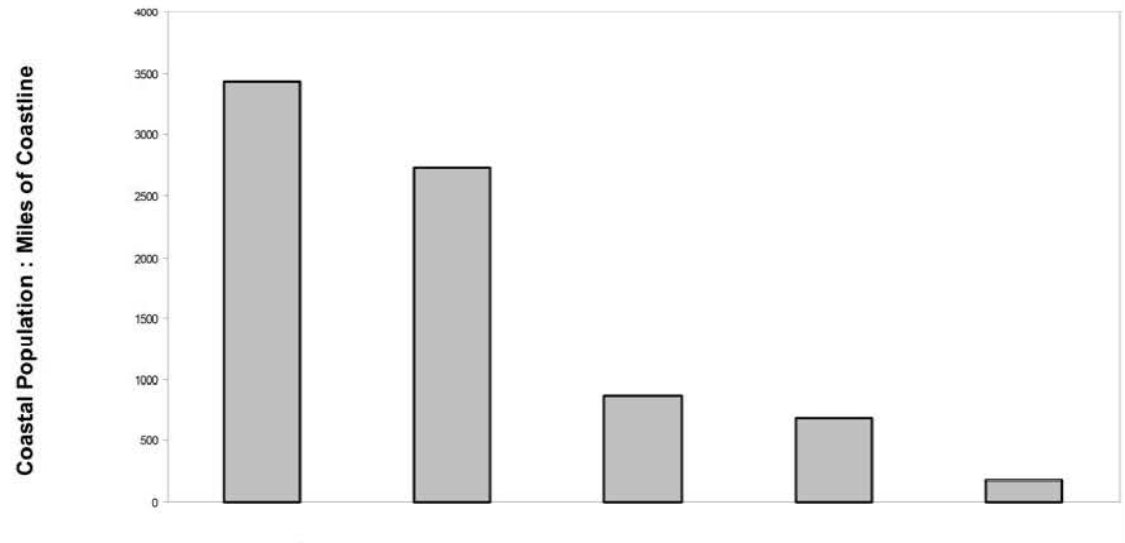
2.2.3.1 Massachusetts

Over the past four centuries, humans have contributed to dramatic shifts in the composition of New England's marine biotic communities through harvesting, species introductions, pollution, and coastal development. Geographic and oceanographic conditions have played an important role in the colonization and population of coastal communities in New England. Massachusetts' 2533 miles of coastline, defined as the length of coast influenced by the tide, contains 2.2 million people in 78 communities, or 35 percent of the total population of the state.

The 2003 US Census data ranks Massachusetts coastal communities as the most populous when compared with the coastal communities of all New England states. Yet, a ratio of coastal population to the number of miles of tidal influenced coastline ranks Massachusetts third among New England states; with ratios declining from the south to the north along the Atlantic coast (Figure 2).

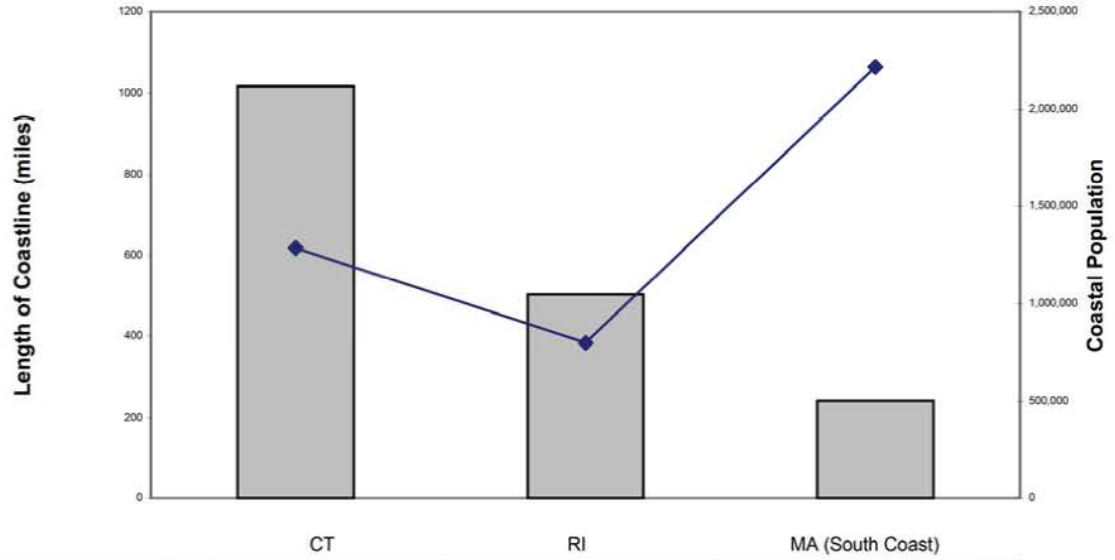
2.2.3.2 South Coast Massachusetts

Communities from the Rhode Island border to the southeastern tip of Cape Cod and the Islands is 1065 miles in length, with a total coastal population of 503, 084. This region represents 42 percent of the entire coastline length, with 23% of the total year round coastal population (Figure 3).



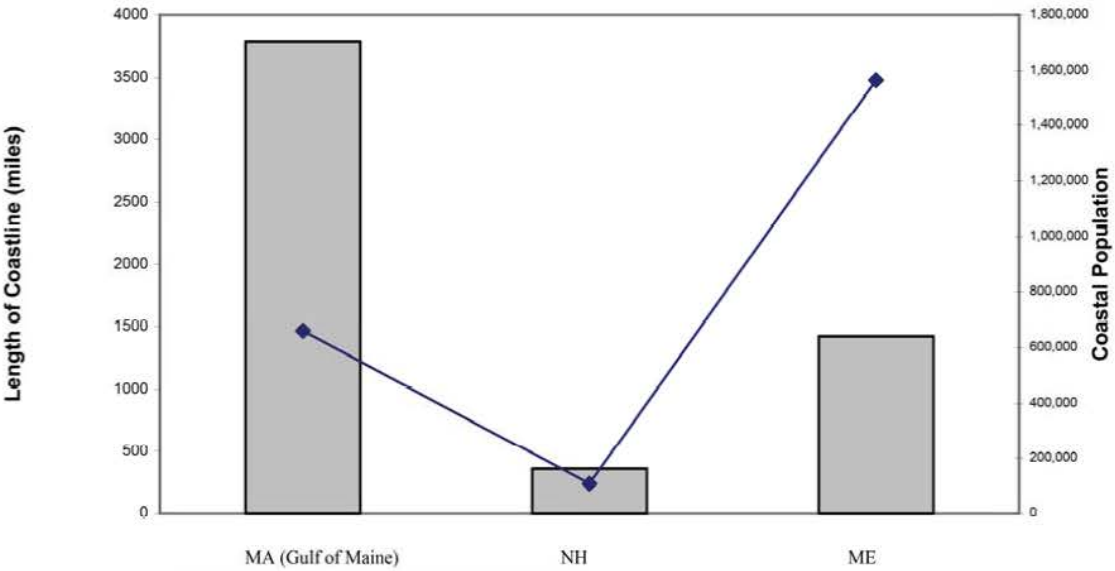
	CT	RI	MA	NH	ME
Coast Pop / Mile of Coastline	3432	2730	871	679	184
Coastal Population	2,120,734	1,048,319	2,206,909	161,574	641,198
Miles of Coastline	618	384	2533	238	3478

Figure 2. Ratio of coastal community population to miles of coastline for New England States (Population data source: US Census 2003. Miles of coastline: ASFPM floodplain management program 2004).



	CT	RI	MA (South Coast)
Coastal Population	2,120,734	1,048,319	503,084
Length of Coastline (miles)	618	384	1065
Coast Pop / Mile of Coast	3432	2730	472

Figure 3. Coastal community population and length of coastline for southern New England by State (Population data source: US Census 2003. Miles of coastline: ASFPM floodplain management program 2004).



	MA (Gulf of Maine)	NH	ME
Coastal Population	1,703,825	161,574	641,198
Length of Coastline (miles)	1468	238	3478
Coast Pop / Mile of Coastline	1161	679	184

Figure 4. Coastal community population and length of coastline for the Gulf of Maine by State (Population data source: US Census 2003. Miles of coastline: ASFPM floodplain management program 2004).

The 472:1 ratio of coastal population to the number of miles of coastline along southern Massachusetts is lower than all New England states except Maine. The coastal area of southern Massachusetts serves as an important tourism destination, and the coastal population increases substantially during the summer season.

2.2.3.3 Gulf of Maine Region of Massachusetts

The GOM region of Massachusetts consists of 49 coastal communities from outer Cape Cod to the Massachusetts - New Hampshire border. The 1468 miles of Massachusetts coastline in this region contains 1.7 million people. The urban characteristics of this region are evident, as 58% of the entire coastal length contains 77% of the total coastal population (Figure 4). By contrast, the state of Maine has 640,000 coastal community residents spread over 3478 miles of coastline for a ratio of 184:1. The 1158:1 ratio of Massachusetts' coastal population to the number of miles of coastline is six times higher than Maine, and 1.7 times higher than New Hampshire.

2.2.3.4 Regional Summary

Population predictions by NOAA estimate a continued increase in coastal populations over the next few decades (Crossett 2004). The environmental impacts resulting from this growth are not well understood. Coastal areas that attract development are very fragile and development can disturb coastal ecosystems and damage economic and ecologic values. Additionally, newer development has expanded to previously undeveloped coastal areas, putting dynamic coastal habitats at a greater risk. As coastal populations increase, there will be increased demands on resource managers to develop innovative techniques, including the potential use of artificial reefs, to effectively protect and manage the greater demands placed on marine resources for future generations.

III. Artificial Reef Applications

A difficult problem facing artificial reef management is mediating conflicts between the different user groups impacted by the creation of new artificial reefs. Conflicts associated with competing uses of public resources (i.e. fish species and fish habitat) exist in artificial reef development despite the best efforts of resource managers. The environmental permitting process attempts to address resource and resource user concerns prior to approval and implementation of any project. This process is designed to allow for input on several levels to ensure resource uses are in the best interest of the public. User group input can shape a proposal to meet the goals and objectives of the artificial reef program. During the permitting process, monitoring guidelines are established, engineering design and materials are reviewed, the biological aspects and target location of a proposal are assessed, user conflicts are addressed, and future research needs are identified. Each component is critical in the proper management and overall success of the reef program in accomplishing its intended goals. Despite this process, user conflicts often occur after a project has been implemented.

Potential user conflicts may increase with an increase in reef development (Stephan et al. 1990). Management of artificial reefs in Massachusetts is contingent upon balancing the potential benefits to reef users while ensuring the viability of fisheries resources. The approach of reef management must include:

- Designing regulations to allow the highest probability of achieving the goals and objectives established for reef development
- Addressing reef and fisheries management concerns or questions
- Providing guidance that will assist in the design and implementation of reef research activities
- Collecting quantifiable data that can address the physical stability, biological health, and overall effectiveness of permitted reefs
- Directing research efforts towards management related problems, questions or concerns involving the present and future use of marine artificial reefs

- Increasing public awareness on the benefits and risks of artificial reefs

3.1 Commercial Fisheries

The enhancement of commercial fishing activities is a primary function of artificial reefs in the Western Pacific (Sheehy and Vic 1982). Italy and France have experimented with a number of reef designs used in support of commercial harvesting of finfish and shellfish species (Bombace 1989). In the United States, most utilization of artificial reefs by commercial fishermen is restricted to benthic artificial reefs constructed primarily for use by recreational fishermen and sport divers. Except in certain states in which some artificial reefs have been protected by federal or state fisheries regulations, commercial fishermen have free access to all artificial reefs in existence.

Massachusetts has a well-established and deeply rooted commercial fishing industry, with efforts directed toward a wide range of species including both inshore and offshore finfish, lobster, and various species of shellfish. Massachusetts ranks second among Atlantic coast states in poundage landed (295.4 million pounds) and number one in landings value (NMFS 2003). The 292.6 million dollars contributed by the commercial fishing industry to the economy in 2003 employed several thousand coastal residents with full or part time work (NMFS 2003).

The success of the state's various commercial fisheries can be linked to the present health and future viability of the fisheries resources. Extensive management measures establishing size limits and catch limits on some species have been taken by both state and federal resource managers to protect certain stocks from overfishing. Loss of access due to coastal development, competition with recreational users, and changes to the natural environment continue to present commercial fishermen with additional economic pressures. Fisheries managers are challenged with determining the equitable allocation of marine resources and must consider all user groups when making decisions, as well as the marine resources themselves.

Commercial fishing practices may not be the most beneficial way to utilize existing small-scale artificial reefs intended for recreational use. Such reefs, with their limited fisheries resources can be quickly over-exploited, leaving them less than effective for use by recreational anglers. In order to avoid or minimize conflicts with users of different gear types, it is important to consider these uses during the initial stages of reef design, site selection, and permitting.

Despite the potential problems facing fisheries managers in developing successful artificial reefs for commercial purposes, artificial reefs represent an option for improving the status of certain commercially important marine species such as lobster. Artificial reef technology has been applied to the creation of kelp beds, mariculture of shellfish such as oysters and mussels, enhancement of lobster survival, and harvest of pelagic species (Stone 1985). The concept of artificial reefs as a potential method to enhancing commercial fishing activity may be appropriate for species of shellfish, lobster, and finfish, but more research is necessary before commercial reefs can be implemented on a larger scale.

3.2 Recreational Fisheries

Massachusetts' 2500-mile coastline offers an array of recreational uses to citizens and visitors to the Commonwealth. Marine recreational fishing activities are extremely popular in both inshore and offshore waters. The types and degree of saltwater fishing activities that take place are linked to the quality of the marine resources, and to the physical resources available to marine anglers in pursuit of these activities. Boat-based fishing activities require the availability of access facilities for both small and large private boats, and the availability of charter boats and head boats for anglers not using a private boat. Fishing effort conducted from these boats can be linked to the number of productive fishing locations offshore including natural structures, shipwrecks, and artificial reefs.

Steinback and Gentner (2001) estimate the total direct and indirect economic activity generated by marine recreational fisheries in Massachusetts was $880 million in 1998. They found that about 800,000 anglers participate in marine recreational fishing, and this number continues to grow. Over 70 different species are landed recreationally in Massachusetts' waters. Striped bass, tautog, black sea bass, scup, summer and winter flounder, cod, haddock, bluefish and tuna are common recreationally targeted finfish species, as well as American lobster and several shellfish species. Any future artificial reef development efforts must focus on understanding the degree of fishing effort exerted in different regions, by different user groups, and on different marine resource populations.

Distinct bathymetric features available for recreational uses are a relatively fixed quantity. In fact, available recreational areas may be diminishing as many old shipwrecks utilized by recreational users disappear over time from erosion, storms, or burial from sediment shifting. More stringent maritime safety regulations and better boat building techniques have facilitated a reduction in the frequency of new shipwrecks replenishing available recreational areas as older shipwrecks disappear.

User conflicts and overcrowding of existing fishing locations cannot be easily addressed except through the implementation of strict and potentially unpopular regulations and restrictions. The presence of artificial reefs can result in an increase in fishing activities and generate expenditures that may not occur if the reefs were absent (Bell 1991). Increased expenditures by marine recreational anglers generate additional sales of goods and services provided by the local communities and supporting industries. Artificial reef utilization by recreational anglers may result in significant economic benefits, which extend beyond those associated with the direct benefits of improved fishing opportunities for the anglers themselves.

3.3 Sport Diving

Recreational diving is a popular sport in Massachusetts, and our coastal waters provide unique conditions that will drive its future development. Since divers prefer to conduct most of their diving activities in relatively shallow water (<100 feet). habitat, artificial reefs can provide relief to popular recreational dive sites subject to overcrowding during periods of peak use.

In comparison with some other regions of the country in which offshore recreational diving is a much more common activity, Massachusetts' waters have a set of unique conditions that will be of continued importance in shaping the future development of marine sport diving in the coastal waters of this state. Massachusetts benefits from an abundance of productive "hard bottom" sites that are accessible from the shoreline or by boat. Popular dive locations along the North Shore allow divers access to water depths of 60 to 90 feet. Sport diving activities in the state's waters include wreck diving, shellfish and lobster collecting, underwater photography, spearfishing, and observing the rich diversity of marine life and the variety of habitat types. In states with extensive artificial reef programs, such as Florida and South Carolina, exploration of artificial reefs are popular activities undertaken by divers utilizing private vessels and charter boats. In southern Florida, artificial reefs have been developed with divers as the intended primary user group (Myatt and Myatt 1992). While most of the dive charter trips in Massachusetts are completed from boats with six or less divers, several operations exist which carry larger numbers of divers on bigger boats.

As recreational diving continues to increase in popularity, overcrowding at dive sites and additional conflicts with other user groups are creating more demand for accessible recreational dive sites. The seasonal climate of Massachusetts does not serve to attract divers on a global scale as is seen in states such as Florida, but the diversity of ocean habitats, advances to navigation and boating, and the improvement and affordability of exposure equipment for divers has lead to an increase in sport diving in Massachusetts. Most diving activity occurs from May through October when water temperatures and sea conditions are the most suitable. The growing frequency of sport diving signifies the importance of this user group and its participation in artificial reef development for the future conservation, allocation and

regulation of the state's marine resources. As this demand increases, the direct and indirect economic benefits of the recreational diving industry will be of significantly greater value to the state in the future.

3.4 Subsistence Fishing

Populations of urban coastal communities include economically disadvantaged individuals that rely on subsistence fishing as a means of nourishment. Shore-based infrastructure such as bridges, jetties, and pilings provide structural benthic relief utilized by commercially and recreationally important shellfish and finfish species. The strategic placement of artificial reefs near waterfront infrastructure has the potential to enhance shore-based fishing opportunities (Buckley 1982).

Legislative actions such as stringent National Pollutant Discharge Elimination System (NPDES) requirements and other provisions of the Clean Water Act (CWA) are proving to be effective methods of cleaning polluted urban waters. The Clean Vessel Act (CVA) Pumpout program and the Environmental Protection Agency's (EPA) No Discharge Area (NDA) Implementation Plan have been established by the federal government to work with state and local governments to eliminate the discharge of sewage from vessels in the states' marine waters. As the quality of the marine environment in urban areas improves to meet more stringent water quality standards, consideration should be given to urban artificial reefs in harbors and ports as a potential method for enhancing fishing opportunities.

3.5 Mitigation

The National Artificial Reef Plan (Stone 2002) states:

> "In using artificial reefs to mitigate development-related habitat loss, project sponsors should use reef technology to simulate the type of habitat which has been lost (e.g., offshore reef development for the loss of offshore reef habitat). Artificial reefs should not be constructed as appropriate replacement for dissimilar habitat types such as shallow-water estuarine habitat, submerged grass flats, or mud flats."

Mitigation remains a controversial issue for the potential use of artificial reefs. The construction of marine artificial reefs has been used to mitigate for the loss of various types of marine habitat in a number of coastal states. Ambrose and Swarbrick (1989) found that artificial reefs designed to compensate for environmental impacts to natural reefs in California need to be built substantially larger then the impacted area of the natural reef. In Massachusetts, an artificial reef was constructed in Boston Harbor in 1999 as mitigation for the destruction of shellfish beds and subtidal habitat during a coastal construction project. Due to limited effort and a lack of funding available for monitoring, this project has not been able to demonstrate that the value of habitat that was destroyed has been replaced by habitat the reef was designed to create. Establishing strict monitoring protocols is necessary to document the habitat values generated as a result of required compensatory mitigation monitoring.

3.6 Marine Sanctuaries and Nurseries

Sanctuaries have been established to protect and preserve natural resources, including areas of naturally occurring reefs along both the Atlantic and Pacific coasts of the United States (Wilson 1987). Sanctuaries have been established to protect and preserve natural resources. "No harvest" artificial reefs can be established for the purpose of non-consumptive utilization, providing a safe haven for fisheries stocks and other exploitable marine resources. Alternatively, creating artificial reefs in areas nearby or adjacent to closed sanctuary areas may also be used to offset the loss of traditional fishing grounds.

The same concept can be applied for utilizing artificial reef habitat to augment existing nursery grounds for certain marine species. In cases where existing nursery grounds are decreasing or threatened, specifically designed habitat structures could be located in areas to increase the chances for successful

recruitment of targeted marine species. These areas can be designated as prohibited zones, or areas in which limited harvesting of other targeted and non-targeted species could take place.

3.7 Special Management Zones

A Special Management Zone (SMZ) designation has been used by several states to control and manage user activity on and around artificial reefs built in federal waters (Bell 1991). Use of artificial reefs as a fishery management tool within the Exclusive Economic Zone (EEZ) requires coordination with the New England Fishery Management council (NEFMC). Artificial reefs designated as SMZ's offer fishery resource managers the ability to utilize artificial reefs as a potential tool for the conservation or the restoration of marine habitats by providing a degree of regulatory control which otherwise would not exist. Reefs can be planned, designed and developed with specific management objectives in mind, be supported by the regulatory language for an SMZ, and allow artificial reefs to be used as non-traditional fishery management tools (Stone 2002). Designation of an artificial reef or the area surrounding the reef as an SMZ can prohibit or control certain uses in order to ensure the reef use complies with the established management goals. The SMZ designation has been used to reduce user conflicts, prohibit certain types of fishing gear or activity, or to attempt to maximize biological production through conservation.

MarineFisheries will consider the use of SMZ status for artificial reefs located in federal waters as a possible tool for managing the state's system of marine artificial reefs. All such requests for the establishment of SMZ's will be to achieve regulatory capabilities on artificial reefs, which are in accordance with the policies, goals and objectives established in this document. Recommendations for the establishment of SMZ's or for the implementation of new regulations or restrictions applicable to established SMZ's will be made by *MarineFisheries* based on thorough documentation of all available data.

3.8 Research

Research priorities have been evaluated for the Atlantic coast by the ASMFC's Artificial Reef Advisory Committee (Steimle et al. 1990). These priorities include:

- Research activities need to focus on best ways of developing artificial reefs
- Research opportunities should coordinate artificial reef research efforts on a regional or national scale when feasible

Research should be established to correspond to the management and information needs required for the continued development of artificial reefs in Massachusetts. With few reefs along the coast, there are limited research opportunities and significant data gaps when compared to other states with active artificial reef programs. While much can be learned about the biology, fisheries potential, socio-economics, and overall effectiveness of marine artificial reefs from other states' programs, more information is critical for fisheries managers to gain a more thorough understanding of artificial reefs. Effective research efforts should attempt to answer pertinent questions regarding the utilization of marine artificial reefs.

3.9 Regulation

Regulation of the development and utilization of artificial reefs is an important component in guiding the overall direction of an artificial reef program. As coastal populations increase, more demand is placed on habitat and biota. Increased emphasis will be placed on regulating traditional natural fisheries resources and on the fisheries resources associated specifically with marine artificial reefs. Conflicts between competing user groups will increase with the continued demand on artificial reef utilization and development in both coastal and offshore waters. Artificial reef development will be regulated in

accordance with the guidelines, goals and objectives established in this plan and other pertinent federal or state regulations. *MarineFisheries* will maintain responsibility for providing direction in this development, and will ensure that all reef development is in the best interest of the citizens of this state and designed to enhance [or improve] marine resources.

3.10 Artificial Reefs vs. Ocean Disposal

Under the pretext of creating reefs to improve fishing for coastal anglers, solid waste materials have been disposed of in the ocean. Due to a lack of funding for reef materials available for construction activities, many less than desirable items were accepted for use on artificial reefs, resulting in less than effective reef design, stability, and long-term usefulness. This situation has created problems when inadequate scrap materials naturally moved off permitted locations and into trawl fishing areas or onto public or private beaches. Many artificial reef programs are dependent on the use of scrap materials to carry out reef construction projects. Care must be taken to ensure that materials used are safe and effective in providing long-term reef habitat substrate and will meet the goals and objectives of an artificial reef program. Artificial reefs should never be created for the primary purpose of disposing of solid waste materials. Breakwaters, erosion control devices, physical barriers to impede illegal trawling, waste disposal sites, and many other structures have been constructed under the title of marine artificial reefs (Lukens and Selberg 2004). Unless intended to function primarily as potential enhancement for marine resources, construction of coastal infrastructure should be described for their actual purpose and not viewed as true marine artificial reefs.

3.11 Non-traditional Uses

In addition to the more established reef uses listed above, there are limited examples of artificial reefs designed for alternative or non-traditional purposes. Several states have permitted reef sites where designed modules known as "Eternal Reefs" utilize cremated remains to build memorials that also serve to enhance marine habitat. In the Dominican Republic, prefabricated concrete reef units form a submerged breakwater for shoreline stabilization (Harris 2001). In Australia and New Zealand, artificial reefs enhance existing surf breaks to increase the number of suitable surfing locations (Pattiaratchi 1999). In the Mediterranean Sea, multipurpose mechanical structures prevent illegal near-shore bottom trawling; provide refuge for marine species, and structure for mariculture of suspended mussels in unsheltered, soft bottom areas of high primary productivity (Bombace 1989). In Florida, experimental nursery reefs enhance post larval stone crab habitat (Calinski 1981). Other non-traditional uses include reefs designed for seaweed cultivation, habitat protection, and shellfish mariculture.

IV. Artificial Reef Design Guidelines

The ASMFC Program and Policy Guidelines for Comprehensive Statewide Planning and Management lists five fundamental steps necessary for the development and implementation of formal marine artificial reef plans (Gordon 1993). These steps include:

- Identifying needs
- Information and data collection
- Plan development
- Implementation
- Evaluation

Initial planning for an artificial reef requires well defined goals and objectives in place prior to project development. Artificial reef planning requires the examination of the different reef types, materials, and designs while developing the specific goals and objectives of a proposal. The goal and/or objectives of the project, and environmental and biological concerns must be identified early in the planning stages.

Reefs that are improperly sited will result in wasted time, money, and effort and will not fully realize the objectives.

4.1 Reef Types

All artificial reefs can be classified into three main categories; benthic, mid-water, and estuarine. The advantages of each reef type depend on a project's objectives, location, size, and resource availability. The majority of reefs built in the United States coastal marine waters have focused on benthic reefs as a means to enhance recreational use. However, all reef types contribute to the common purpose of enhancing marine habitat for fish and other marine life.

4.1.1 - Benthic Reefs

Benthic artificial reefs are constructed by placing solid material on the sea floor, providing suitable substrate for the attachment of marine fouling organisms and vertical relief for motile invertebrates and fishes. Durable materials placed in the marine environment are colonized by a variety of sessile organisms. In time, these primary and secondary producers become the foundation of the entire reef community, and are critical to the eventual success of the reef. Material type, location of the reef, physical oceanographic conditions, time of deployment of the materials, and soak time are important factors affecting species diversity, percentage of cover and the overall stage of benthic invertebrate community development (Carter et al. 1985).

Motile invertebrates such as crabs, shrimp, lobsters, mollusks, amphipods, and echinoderms may also be found on benthic reefs in large numbers. Successful larval recruitment from surrounding waters and the benefit of abundant food and shelter are essential to the long-term success of many of these organisms. Juvenile fishes take advantage of the food and shelter artificial reefs can provide. Some of these fish remain on the reefs for some or all of their life stages, while others may only utilize reefs during specific periods of development (Tupper and Boutilier 1997).

Finfish, shellfish, or other species of recreational or commercial interest utilize artificial reefs in numbers usually equal to or exceeding the equivalent area of natural reefs (Stone 1985). The reasons for the presence of large quantities of adult and sub-adult fish on and around benthic artificial reefs are complex and not completely understood. Possible explanations include the abundance of food, protection from predators, shelter, suitable spawning habitat, enhanced survival of juveniles, and the presence of a physical orientation point. Regardless of the exact mechanisms, the construction of benthic artificial reefs has proven to be a reliable means of increasing access to demersal and pelagic marine fish populations (Bell 1991).

4.1.2 - Mid-water reefs

Mid-water artificial reefs are suspended in the water column rather than placed entirely on the ocean bottom. Also known as fish aggregation devices (FAD), the concept of using floating or suspended structures to attract harvestable quantities of fish have been used extensively in the Mediterranean and Western Pacific. Unlike benthic reefs, FAD's function as a point of attraction for targeted pelagic fish species.

Large quantities of baitfish are often found congregating around FAD's (Rountree 1989). Larger pelagic predators may aggregate around FAD's to take advantage of the baitfish as a food source. Pelagic fish may also be drawn to FAD's for the fixed reference point they provide in the open ocean. Attraction to sound, the creation of vortices in the water, attraction to shade under the FAD's and other explanations have also been suggested as potential reasons for their success. The actual mechanisms that dictate the abilities of floating or suspended structures in aggregating large quantities of fish are not well understood (Bell 1991).

4.1.3 - Estuarine Reefs

Estuarine reefs are accessible to a larger number of users and provide an alternative to fishing offshore when weather or sea conditions are unsuitable. The majority of the successfully established estuarine reefs are found in the more temperate waters of the mid-Atlantic and Pacific coast states. The biological dynamics of estuarine artificial reefs remain one of the least studied areas of artificial reef development. While suitable materials placed in estuarine waters can result in the development of a diverse community of fouling organisms, targeted fish species in these areas do not seem to utilize reef structures in the same manner as species utilizing offshore reefs. Estuarine fish species do not appear to associate with solid structure like offshore species (Buckley 1982); however, properly designed estuarine reefs could provide optimal habitat for the juvenile stages of many finfish and invertebrate species. The relative abundance of food and suitable habitat provided in the estuaries themselves may be the reason for this. The true value of estuarine reefs may be in their utilization for shellfish aquaculture, as a method to enhance shore-based fishing activities, or to mitigate habitat loss from development, pollution, or environmental damage. Proximity to staging areas, shallower depths, and protection from harsh weather conditions makes estuarine artificial reef development more cost effective when compared to offshore reef development.

4.2 Materials

Note: Information contained in this section was selected from the *Coastal Artificial Reef Planning Guide* prepared by the Joint Artificial Reef Technical Committee of the Atlantic and Gulf States Marine Fisheries Commissions (1998) and modified, where necessary, to correspond to the goals and objectives of the Massachusetts Artificial Reef Policy. This section provides a broad description of the criteria for materials and design, as well as a brief description of suitable material types commonly utilized in artificial reef construction. For a more detailed description of materials suitable for artificial reef construction, please refer to the *Guidelines for Marine Artificial Reef Materials, second addition*, published by the Gulf and Atlantic States MarineFisheries Commissions (Lukens and Selberg 2004). Copies of both documents are available on the GSMFC website at www.gsmfc.org.

4.2.1 - Materials Criteria

When planning artificial reef development, certain general characteristics can be useful in evaluating specific materials and design regardless of the specific purpose or location (marine or estuarine). Listed below are four major criteria that should be considered in evaluating the use of any artificial reef materials. These criteria, together with siting and management considerations, will determine the success or failure of an artificial reef project.

4.2.1.1 - Function

Selection of materials that are known to be effective in stimulating desired growth of organisms and providing habitat for the target species is critically important in developing artificial reefs. Proper design or configuration of selected materials on the reef site will contribute significantly to artificial reef function. Surface area, profile, shape, orientation, open (interstitial) spaces, rugosity, and size are major design features that affect the function of artificial reefs.

4.2.1.2 - Compatibility

To maximize potential benefits to fisheries, artificial reef materials and selected designs should minimize environmental risks and user conflicts. While some risks and tradeoffs are inevitable, knowledge of a site's physical and biological characteristics and the possible uses of a reef can help planners design reefs that will avoid major problems. For example, reefs designed for divers should have materials that are attractive and minimize safety risks. Artificial reefs placed near natural reefs can be designed to ensure the materials will not encroach on the natural reef.

4.2.1.3 - Stability and Placement

The movement of reef materials off reef sites not only violates permit requirements, but also can threaten navigation, foul commercial fishing grounds and litter beaches. This situation can be a significant threat to continued public support of artificial reef programs. All materials used in reef construction should be of proven stable design. In addition, the individual materials in composite structures must be stable on their own, since structures may break apart over time. For example, the bond between concrete and steel in a certain structure may break, but it is unlikely that either material will be moved individually.

4.2.1.4 - Durability

Limited options are available for maintenance of underwater facilities like artificial reefs. Anything beyond the most rudimentary maintenance of a large-scale ocean reef is impractical and limited by expense. Artificial reef materials, therefore, must be resistant to deterioration and break-up, and have a guaranteed lifespan of at least 20 years. Durable materials will retain the desired structure and configuration, have low maintenance costs, and have long life expectancy in the marine environment.

4.2.2 - Material Types

Artificial reefs have been built from a wide variety of materials over the years. The majority of artificial reef development activities in the US over the past fifty years have employed construction materials that were previously used or intended for other purposes. Some of these used materials have been more suitable for constructing artificial reefs than others. "Materials of opportunity" are defined as manufactured substances that are no longer useful for their primary purpose. Many artificial reef programs have become dependent on such "materials of opportunity" due to their low cost and ready availability. However, it has become evident that a total reliance upon scrap materials may hinder the ability to reach reef development goals and objectives. Material and design studies would help move artificial reef programs away from dependence on materials of opportunity and toward a focus of designs and materials that can augment habitat (Noble 1998).

Artificial reef programs employ a number of specifically engineered reef habitat structures. Such structures have become a more viable option for future artificial reef development projects, and may decrease the total dependency of reef development on the availability of scrap materials, and improve the overall effectiveness and safety of fabricated reefs. The use of engineered materials has evolved with improved financial support, and willingness within the private industry to develop new and affordable reef materials.

Regardless of the nature of materials utilized to construct artificial reefs, *MarineFisheries* will identify the particular materials that are deemed acceptable for use as reef structures in Massachusetts' coastal and adjacent offshore waters. Materials will only be considered for use if they possess characteristics that safely meet the established goals and objectives for the artificial reef project under consideration, and present no risk to the environment in which they are being placed. The "*Guidelines for Marine Artificial Reef Materials*" provides detailed information based on the experiences, benefits, and drawbacks of past uses of a variety of materials by resource management agencies.

4.2.2.1 - Secondary Use and Natural Materials

Due to their unpredictable availability, most scrap materials used in reef construction can be classified as "secondary use" materials, also known as "materials of opportunity." Effective artificial reefs have been constructed from secondary use and natural materials; a combination of various materials may provide for the greatest diversity in terms of both biological communities and users. The challenge to reef managers and developers is to implement site-specific reef plans and individual projects by balancing cost effectiveness with project effectiveness in achieving objectives. Planners must consider transportation, preparation, potential deployment, maintenance, and possible enhancement costs in assessing which materials meet reef development goals. Existing artificial structures such as shipwrecks and gas and oil structures may already be in suitable locations. In such cases, they may only need to be located, enhanced, and publicized. Other excellent materials may already be at or near suitable development sites.

Besides donation or sale of materials, a corporate sponsor, donor, or provider of materials may be willing to assist with transportation, preparation, and deployment costs, especially if confronted with an expensive disposal alternative for these materials. Although past artificial reef development has been directly tied to the availability of these materials, this may not be the most desirable situation for continued planning and development of reef construction efforts in the future. Some forms of scrap, when available in the proper condition, are very desirable as reef construction materials and should continue to be utilized. In some instances, natural materials such as quarry rock, limestone, or even shell have been utilized to construct artificial reefs. While these are not by definition scrap materials, their availability is sometimes dictated by a desire to move them from an existing site where they may no longer be desired. In these cases, they should be classified as "secondary use materials". In other cases, as in the intent to build a reef to provide a rocky bottom substrate, material such as quarry rock is the most suitable material available to create the intended habitat. *MarineFisheries* will carefully inspect the materials and ensure that they are environmentally safe, structurally and physically stable, and can be deployed in a cost-effective and safe manner. A thorough inspection of potential materials should be conducted early in the proposed reef construction effort to determine and ensure suitability.

A number of secondary use materials are unsuitable as artificial reef material. Among those that have been found to be persistently problematic are: wood, fiberglass, plastic, light vehicle bodies, fiberglass boats and boat molds, and light gauge metal items, such as refrigerators, washing machines, and clothes dryers. Some materials may be used if specific design features can be employed to provide durability and stability. For instance, plastics and fiberglass are durable and can be designed with sufficient density to ensure stability. Vehicle tires also are problematic. However, there have been limited cases, including the Yarmouth tire reef, where they have been used without documented negative impact. In particular, tires that have been imbedded in concrete and fully encased have enough ballast to ensure stability. The Plan recommends that tires should be used as artificial reef materials only with great caution. In addition to the "*Guidelines for Marine Artificial Reef Materials*," documentation of the use of materials has been compiled through the experiences of artificial reef program managers, and should be consulted prior to consideration of using any secondary use material in a reef development project.

4.2.2.2 - Manufactured Reef Structures

A reliance on the availability of secondary use materials for development of artificial reefs presents several problems. If the program is to function in a manner conducive to effective long-term planning and development goals and objectives, it cannot base reef construction solely on the unpredictable availability of acceptable scrap materials. One solution is the incorporation of manufactured reef structures into planned reef development activities. Manufactured structures can be developed to posses the characteristics desired of a reef substrate for a specific environment, application, or result. Although the initial costs in procuring materials may be higher than the cost of obtaining many scrap materials, the transportation, handling, and deployment costs are similar. Furthermore, manufactured reef structures do not have to be cleaned prior to deployment as an artificial reef. Specific qualities of stability, durability, structural integrity, transportability, and biological effectiveness can be engineered into a reef design, giving manufactured reef structures an advantage over scrap materials that are limited in how they can be modified or deployed. Manufactured reef units can be deployed in any quantity, profile, and pattern required, providing for maximum efficiency of the materials used in achieving the desired results. Materials of opportunity such as ships must be deployed as a single unit, often with a great deal of the total material volume being taken up by the vertical profile. The same volume of designed reef materials that would be found in a sunken vessel can be spread over a much larger area of ocean bottom, allowing for better access to a larger number of reef users.

Another advantage offered by the use of designed reef structures is the ability to procure them in any quantity as needed. This allows reef managers to plan, make the best use of available funding, and predict costs required for accomplishing specific reef construction objectives. When depending on secondary use materials for reef development, this type of long-term planning is rarely possible.

4.2.3 - Transfer of Construction Materials

Donation of materials for reef construction represents an opportunity for both the donor and the program receiving the materials. Such donations have allowed development of many artificial reefs that otherwise would not have been possible. In most cases, the costs to the donor for providing the reef material have been offset by reduced removal or disposal costs, treatment of the transfer as a charitable donation (to government agencies), and favorable publicity. Programs using donated materials that are acceptable for artificial reef use can significantly reduce the overall construction costs of artificial reef.

4.2.3.1 - Incentives

Potential donors of reef material often face large salvage or disposal costs for retired or surplus materials. These materials could serve as effective reef materials, but additional costs to relocate them on an artificial reef site may be much higher than normal disposal costs. Innovative thinking is needed to identify possible incentives for donors that would allow reef builders to obtain donated reef material that, if fabricated from raw materials, would otherwise be very expensive to construct and deploy. Some form of incentive, such as modified tax obligations, could be considered to encourage future donations of secondary use materials where the cost to the donor exceeds normal disposal costs.

4.2.3.2 - Tax Incentives

Donations to an artificial reef project through *MarineFisheries* may be viewed as a charitable contribution, and may qualify for some degree of tax deduction on both federal and Commonwealth of Massachusetts taxes. Although this has not been a major incentive to stimulate the donation of goods or services, it may help to persuade individuals to donate reef construction materials such as barges, ships, and boats. *MarineFisheries* Artificial Reef Program will work with companies and private citizens on artificial reef projects that propose to use donated materials.

4.2.3.3 - Alternatives

The value of donated materials may be used as match for financial assistance where appropriate (Federal Aid in Sport Fish Restoration Act). This can serve to facilitate the transfer of materials to the reef builder for reef development.

4.3 Design

The concept of "designing" artificial reef systems as well as individual reefs, or even specific reef structures, is one that has been widely used, and is best documented in Japan (Sheehy and Vik 1982). The "design" of most artificial reefs in the US traditionally has been left to chance when using the most readily available and cost effective materials. Nevertheless, attempts have been made to construct these reefs in such a way that their overall design incorporates the factors required to achieve the most effective and efficient reef possible. In an effort to improve the manner in which artificial reefs are built, many states are now considering a number of key design criteria. These criteria are employed to develop reefs that will produce the maximum benefit possible for the biological community, the scientific community, and reef users.

The overall design of the reef, as well as individual reef materials used should be chosen with an achievable goal in mind. Reef structures must be easy to acquire or manufacture, and their handling, transportation, preparation, and placement on the reef must be realistically accomplished within safe, low-risk, cost-effective limits. Reefs intended for a specific purpose (e.g. trolling, bottom fishing, SCUBA diving, nursery grounds, etc.) should be constructed with this in mind. Some materials used in reef construction may be more suited for a specific use while other materials may be better suited for general or multiple uses. Artificial reef planners and developers should incorporate reef design criteria to ensure the overall design of the reef, including any individual reef structures achieve the intended goals and objectives of the artificial reef.

4.3.1 - Configuration and Orientation

The overall configuration of the materials on a reef will play an important role in determining how the reef works and how effectively it can be utilized. Orientation of reef materials to prevailing currents can affect densities of sessile communities and fish aggregations on the reef (Lindquist and Pietrafesa 1989). Placement of different types of structures at separate locations of the permitted area can provide increased diversity of reef fish assemblages, and allow concurrent multiple uses of the reef site (Lindberg 1996).

4.3.2 - Profile

The vertical profile of a reef structure may be important in determining the overall fish species composition and biomass of the reef. Low profile reefs are thought to be more successful in providing a suitable habitat for more demersal species, while high profile reefs appear to work better for many pelagic fishes (Kellison and Sedberry 1998; Baine 2001). Additionally, shading caused by a reef profile can influence epibiotic assemblages (Glasby 1999). A combination of high and low profile construction materials can often be utilized within one permitted location to create a reef targeting a potentially more diverse fish assemblage.

4.3.3 - Interstitial space

The quantity and nature of interstitial spaces in reef structures are important in determining the degree and complexity of the biological community developing on and around the reef. Numerous holes, crevices, walls, and overhangs in a reef structure increase the potential for a more diverse community than would develop on a reef material with less structural complexity. Adequate interstitial spaces are necessary to establish a rich diversity of motile invertebrates as well as numerous cryptic fish species (Spanier 1993).

4.3.4 - Total Surface Area

In most cases, the total biomass that can be supported on an artificial reef will be related to the total surface area. This is particularly true of low profile benthic reefs in which the fouling community of sessile marine organisms achieved on the reef may be important to the subsequent development of the demersal fish community established on and around the reef materials. Many sessile and motile invertebrates are important food items for many of the fish species inhabiting the reefs. The greater the surface area available to fouling organisms, the more significant the food source available to other levels of the reef community.

4.3.5 - Openness of reef materials

Reef materials should be selected which offer suitable openness to allow adequate water circulation and prevent the stagnation of water, which could minimize the effectiveness of the overall reef. Openness of the reef also allows for better utilization of all surfaces of structures for the establishment of sessile invertebrates, as well as the potential for improved access to fish and motile invertebrates that may be more cryptic in nature. Any movement, separation, or deterioration of reef materials is not favorable when establishing a permanent reef.

4.3.6 - Proximity to natural or artificial habitats

Artificial reefs may harbor high densities of fish and often resemble natural reefs (Bohnsack and Sutherland 1985). Therefore, reefs may be utilized to redirect harmful human activities away from sensitive, natural reefs. However, there may be management risks associated with increasing the harvest ability of fish. The concentration of fishing pressure on or near artificial reefs may disproportionately affect the relative abundance and distributions of fish species that utilize reef habitats. Changes to the surrounding ecology may also include tropic cascades via the disruption of important predator prey relationships and changes to fish migration patterns. Ecological relationships of adjacent natural reefs to

artificial reefs are not well understood and require further study. The potential of introduced habitat to change production and aggregation functions in an area are important factors for considering the potential of artificial reef technology for fishery enhancement.

4.4 Siting

The primary focus for siting an artificial reef is to enhance or create viable habitat that will benefit fisheries. Improperly sited reefs can result in negative impacts including hazards to navigation, damage to naturally productive bottom, and environmental clean-up problems. Artificial reef siting criteria was extensively examined during the 1980's by the Sport Fishing Institute's Artificial Reef Development Center for the purposes of enhancing recreational fishing opportunities (Ditton and Burke 1985). In order to determine optimal siting requirements, a three-step outline was developed for identifying reef sites. The first step identifies potential development zones using geographic, oceanographic, socioeconomic, and environmental information (Myatt and Ditton 1986). The second step, commonly referred to as "exclusion mapping", identifies and eliminates areas within the development zone that are unsuitable for reef development. Elimination criteria can include, but not be limited to, regulatory prohibitions or user conflicts (Stone 2002). Finally, the areas determined to have the greatest potential benefits for an artificial reef are targeted for development. This process has been successful in the development of recreational reefs by states with artificial reef programs, and can serve as a guide for additional reef development when interest in utilizing reefs for restoration, mitigation, recruitment, and juvenile survival purposes exists.

In selecting locations for proposed marine artificial reef development, sites need to receive a high degree of public support. Reef sites for public use must be within reasonable distances of boat landings, marinas, fixed navigational aids, and major inlets in order to be accessible to as many users as possible. An artificial reef site selected for development must not unintentionally create a public benefit for one or more user groups at an expense to other user groups. User conflicts between recreational anglers and commercial fishermen over use of the ocean bottom are often the most common problems encountered in this area. Additional consideration should be given to boat size and navigational abilities.

Potential artificial reef sites must possess the physical, biological, and oceanographic conditions suitable for the type, design, and purpose of the proposed reef. Factors such as depth, bottom type and stability, magnitude and direction of prevailing currents, water quality, potential degree of wave energy, nature, extent of existing biota, and nature of surrounding habitat must be taken into consideration in deeming a particular site acceptable for addition of a reef. The suitability of each site must be evaluated independently. The nature of reef materials, design of the reef and intended purpose can vary significantly between individual reefs.

Natural reefs are important for artificial reef colonization and interaction of marine species. Grove and Sonu (1985) recommended that the distance between natural and artificial reefs range between 600 and 1000 meters to avoid competition. The site selection process must ensure that artificial reef development does not take place on naturally productive "live bottom" areas. The creation of these new sites can help to disperse reef users, lessen pressure on existing live bottom areas, and minimize crowding on other established sites.

Artificial reefs cannot create a hazard to safe navigation, create a potentially unsafe situation for reef users, or interfere with existing or potential uses of the site that would directly conflict with the intended purpose of the reef. Reefs cannot be located in shipping channels, designated anchorages, or in areas of heavy shipping traffic where the reduced depth of water will create a potentially hazardous situation. Artificial reefs should also be located away from military exercise areas, areas of extremely shallow water (shoals, banks, shallow wrecks, etc.) and away from the mouths of inlets. Reefs should also not be built on or near identified sites of potential archaeological significance, dredge spoil areas, or too close to existing special purpose or navigational buoys.

Artificial reefs should not interfere with or restrict the ability to continue established traditional commercial fishing activities. In some cases, it may not be possible to find a location that is not utilized for some facet of commercial fishing. In this case, attempts should be made to locate a more suitable site for artificial reefs development, such as where existing "hangs" or obstructions are known to occur. If this proves impractical, a reef design resulting in as minimal an area as possible should be considered.

4.4.1 Siting case study: Massachusetts Bottom Sediment Enhancement Project

Note: This case study summarizes site selection methodologies developed for the *MarineFisheries* Bottom Sediment Enhancement Project as partial mitigation for assumed biological impacts from the construction of the Algonquin gas pipeline (HubLine) in 2002 -2003. A complete review of the site selection methodologies for this project are documented in a *MarineFisheries* Technical Report "Division of Marine Fisheries Artificial Reef Site Selection Model (in press)" and can be found on the *MarineFisheries* website: mass.gov/dfwele/dmf/publications/technical.htm.

To determine the most appropriate location for the HubLine reef, *MarineFisheries* performed a comprehensive pre-installation evaluation and survey of potential locations along the HubLine footprint. A model to select potential areas for project siting examined three parameters: substrate, bathymetry, and proximity to the pipeline. GIS data layers were coded to represent prime, potential, and unsuitable areas for resource enhancement. The results of this model identified four prime locations. *MarineFisheries* collected data in the field at each identified potential site. Areas with poor larval settlement, a slope of >5°, high siltation rates, and heavy boat traffic were eliminated during this stage of the site selection evaluation. Depth, recreational and commercial boat traffic, and submerged aquatic vegetation (SAV) were also taken into consideration when determining an appropriate reef location.

In order to avoid placing the reef on pre-existing productive habitat and to ensure that the reef would be placed on substrate strong enough to prevent reef sinking underwater transect surveys were conducted at all potential reef sites and substrate types were quantified into three categories. Additional biological and physical data was collected including: species abundance and diversity, and current direction. Data for all variables were then numerically categorized, with each category weighted on a percentage scale according to their importance in the site selection process. The final weighted scores were summed for each site. Sites with the highest scores were considered the best for reef placement.

Next, *MarineFisheries* conducted video and transect surveys on the top six ranked sites to determine overall species abundance and diversity During this phase, site locations were sent to the MA Board of Underwater Archaeological Resources (BUAR) to determine whether potential reef sites were located in or near an area of archeological concern.

When potential reef sites were reduced to three, the presence of a natural larval supply at these locations was examined. Two different methods were used to analyze natural larval supply: (1) suction sampling and (2) using settlement collectors. Suction samples were collected at six sites for comparison: the three potential reef sites, natural reef sites near these reefs, and at areas along the HubLine corridor that were highly disturbed during pipeline installation and required cobble armoring for protection of the pipeline.

Larval settlement collectors were designed to create micro-prime habitats in areas that are devoid of prime settling habitat. Ten collectors were placed on each site in July and remained on the bottom for at least 2 months before retrieval to coincide with the recruitment season of several finfish and invertebrate species. Although the two sites with the highest rankings were equivalent in terms of larval settlement, the selected reef site was the closest to the HubLine, received little wave action, had low species diversity and abundance, had a natural larval supply, and would be more cost effective than the other final potential sites.

4.5 Deployment

Prior to the initiation of actual construction activities, all necessary permits to conduct proposed work must be in hand. All preparations, modifications, or special conditions necessary to ready materials for transport and deployment must be complete according to permit specifications. If materials of opportunity are being utilized, a thorough inspection of proposed reef materials must be conducted prior to deployment. Additional inspections by state or federal agencies or other groups may also be required. All construction activity will require coordination with all participating parties (which may include marine contractors, United States Coast Guard (USCG) representatives, law enforcement agencies, *MarineFisheries* staff, other Department employees, media, etc.), and contingency plans for bad weather, communication difficulties or emergencies must be clearly established and disseminated.

4.5.1 - Marking of Reefs

Artificial reef buoys, while maintained by the state, may be required by the USCG Aids to Navigation Branch. Buoys must be designed in compliance with all USCG standards. Missing or damaged buoys must be replaced in accordance with the conditions of the federal permits.

There are a number of difficulties in maintaining buoys on coastal and offshore reefs. These include:

- Lost or severely damaged buoys due to storms, ice, collisions with ships, deliberate sabotage, failure of the mooring system from corrosion and / or damage from boaters tying to the buoys
- High cost of replacement buoys and mooring systems, and inadequate funding available to replace missing or damaged buoys
- Inability to replace missing buoys in a timely manner due to a lack of buoy and chain reserves or a lack of a suitable vessel capable of doing the work and responding to short lead times in scheduling the job
- Inability to enforce USCG or state regulations which would prevent individuals from tying to buoys while using the reefs, resulting in damage to buoys and prematurely shortened life-spans

Marking requirements for each reef complex will be determined by USCG on a case-by-case basis. Marking requirements may be waived if:

- The entire reef complex is adequately marked and charted on a navigational chart
- There is sufficient water clearance over the reef
- The reef structure is over 2 miles from fairways, channels, and anchorages
- The individual reef structure is part of an overall existing reef
- There is no history of deep-draft traffic through the area

The USCG District Commander, upon receiving an application from the reef sponsor, will make the decision on when and if navigation aid is mandatory. Site specific considerations will determine actual requirements (Atlantic 1998).

4.6 Liability

There are a number of risks associated with the development and deployment of artificial reefs. These risks may include:

- Personal injury during reef development or deployment
- Damage to private or public property during the transportation and handling of reef materials

- Hazards to navigation created during transportation or deployment
- Environmental hazards caused by improper or incomplete cleaning of materials
- Damage to naturally productive bottom due to improper site selection or placement
- Damage to fishing gear, resulting from improper placement of reef materials
- Damage to equipment, injury to personnel, the unintended creation of hazards to navigation, or unintended changes to ocean bottom or habitat due to the decomposition or movement of materials after they have been put in place
- Injury to recreational divers occurring on improperly prepared materials, structurally deteriorated materials or other inherent hazards found on and around submerged reef structures (Bell 1991)

The National Fishing Enhancement Act of 1984 (P.L. 98-623, Title II), Section 205 C addresses the legal liability of the artificial reef permittee, the materials donor, and the federal government. These liability considerations can be summarized as follows:

- A federal government decision to permit a reef in a particular place or to require certain materials for construction would not create liability, even if there were some risks involved, assuming that the explicit requirements of the National Fishing Enhancement Act of 1984 (NFEA) have been satisfied
- A donor of materials for reef construction, once title has transferred to the permittee, is immune from liability if materials meet the requirements of the NARP
- The NFEA does not address the transporting of reef materials. All maritime accidents, injury to crew, grounding, premature discharge, collision, or sinking would have a liability situation similar to any other maritime context
- While the permittee is liable for failure to place and mark reefs (PL 998-633 Section 205 (C) (2), strict adherence to the requirements of the permit will protect the permittee from liability for injuries resulting from those activities required in the permit
- Once properly located, marked, and periodically monitored by the permittee as required by permit, there is little potential for liability, and it is each vessel owner's responsibility to avoid collision
- The liability of the permittee in cases of diving accidents associated with artificial reefs is similar to a municipality's liability for accidents in a public park. Liability in each case would involve determination of comparative negligence of the diver and the permittee (Tinsman 1998)

The NFEA prohibits the ACOE from issuing a permit for reef construction to anyone who cannot demonstrate the ability to assume liability for all damages that may arise with respect to the construction and maintenance of an artificial reef. This has had the effect of slowing down artificial reef development by most private groups or individuals, and once the ACOE establishes the actual extent of this liability, all reef development in this country will likely be managed at the state government level (Bell 1991).

V. Artificial Reef Permitting Guidelines

Note: Information contained in this section was selected from the *Environmental Permitting in Massachusetts Guide* prepared by the Massachusetts Office of Coastal Zone Management (CZM) and modified, where necessary, to correspond to the goals and objectives of the Massachusetts Artificial Reef Plan (MARP). This section provides a broad description of the criteria for federal, state, and local permit requirements as they may relate to artificial reef development in Massachusetts. In some circumstances there may be additional permitting requirements not detailed in this document. A complete description of permitting requirements can be found in the *Environmental Permitting in Massachusetts Guide*, written by CZM (MACZM 2003). Copies are available on the CZM website (http://www.mass.gov/czm).

The roles of all parties involved in artificial reef development, management, and regulation have evolved significantly since the release of the original National Artificial Reef Plan in 1985. Involvement on a state level varies, with most coastal states having some degree of control or oversight of artificial reef development in their waters and adjacent federal waters. Most Atlantic and all Gulf of Mexico states also participate in regional communication and coordination concerning essential artificial reef management activities through their respective IFMCs. The consensus of reef program managers is that artificial reefs may be utilized as fisheries management tools, and as such, their use constitutes a fisheries issue that must be addressed accordingly. Unique partnerships in artificial reef development between state, federal, and private interest groups have been formed with the states as the lead fishery management agencies and primary entities in implementation of the national plan. Close interaction between the GSMFC, ASMFC, and NMFS facilitated the current revision of the national plan.

5.1 Federal Role

The federal role is to provide technical assistance, guidance, and regulations for the proper use of artificial reefs. Such assistance must be compatible with other long-term needs, and should improve coordination and communication between the federal agencies, states, IFMCs, commercial and recreational fishing interests, diving communities, and other interested parties. Generally, the federal role is carried through the permit process, and federal agencies provide guidelines, services, information, financial aid, and in-kind support for projects. Federal fisheries agencies may provide some regulatory functions regarding fishing practices on specially designated artificial reefs (e.g., "Special Management Zone" designation in the South Atlantic and Gulf of Mexico FMC Fishery Management Plan (FMP) for snappers and groupers, and reef fish, respectively). The federal government has been involved in artificial reef activities for several decades, through research and developments sponsored by individual agencies, as well as in reviewing and commenting on reef permit applications (see Act section 205). There is no overall federally coordinated program to guide artificial reef activities except through the permit program of the ACOE. The President's Proclamation of an EEZ on March 10, 1983 declared a national interest in living and non-living resources found within 200 nautical miles from shore. In addition, the National Recreational Fisheries Conservation Plan of 1996, developed pursuant to Executive Order 12962 - Recreational Fisheries, directs specific federal activities to utilize artificial reefs in implementation of a national recreational fisheries resources conservation plan. The Atlantic Coastal Fisheries Cooperative Management Act (Atlantic Coastal Fisheries Act) (PL 103- 206) of 1993 finds that:

> "...increasing pressure, environmental pollution, and the loss and alteration of habitat have reduced severely, certain Atlantic coastal fishery resources...and...It is the responsibility of the federal government to support...cooperative interstate management of coastal fisheries."

Increased use of fisheries resources is expected in the EEZ, and there will be interest in the use of artificial reefs in the EEZ to enhance the resources and the habitats that are essential to fisheries proliferation.

Six federal entities – the ACOE, the US Departments of the Interior (DOI), Commerce (DOC), Defense (DOD), and Transportation (DOT), and the Environmental Protection Agency (EPA) – have varying degrees of interest in, and responsibility for, artificial reefs.

5.1.1 - U.S. Army Corps of Engineers

On July 26, 1985, the ACOE published proposed regulations to implement a portion of their responsibility pursuant to the National Fishing Enhancement Act (NFEA). The ACOE regulations closely mirror the evaluation standards established by NFEA and guidance provided in the National Artificial Reef Plan (NARP) that was developed pursuant to section 204 (Stone 2002).

A permit from the ACOE is the primary certificate of federal approval. A permit to site a structure to be used as an artificial fishing reef is granted by the ACOE under Section 10 of the Rivers and Harbors Act

of 1899 (33 U.S.C. 403). Section 10 authorizes the ACOE to regulate construction in, or alteration of, any navigable waters of the United States. Section 4 of the Outer Continental Shelf lands Act of 1953 (43 U.S.C. 1333(f)) extends this authority to the continental shelf. The ACOE has authority under Section 404 of the Clean Water Act of 1972 (PL 92-500) to regulate any materials placed within waters of the United States and stipulates state certification of projects involving the discharge of dredge or fill material.

The term artificial reef, as defined in ACOE regulations and the NFEA, means:

> " a structure which is constructed or placed in the navigable waters of the United States or in the waters overlying the outer continental shelf for the purpose of enhancing fishery resources and commercial and recreational fishing opportunities."

The ACOE is required to review the applicant's objectives for artificial reef construction as well as the applicant's provisions for siting, constructing, monitoring, and managing the proposed reefs. Clear evidence of title and responsibility for maintenance is also required as is information on the financial ability of the applicant to assume liability for future damages resulting from the reef or associated activities. The ACOE permits are required to specify the design and location of the reef and the types and quantities of material to be deployed. All permits must include terms and conditions for the construction, operation, maintenance, monitoring, and managing the reef to ensure compliance with applicable provisions of law as well as conditions that may be necessary for the protection of the environment and human safety and property. The liability of the United States government, the applicant, and reef material donors is also addressed. The NFEA provides for a civil penalty of up to $10,000 for each violation considering the nature, extent, circumstances, and gravity of the violation.

The following regulations are administered together by the ACOE Regulatory Division through a single permit application.

- Rivers and Harbors Act of 1899 (Section 10)
- Clean Water Act (Section 404)
- Marine Protection, Research and Sanctuaries Act, (Section 103)

A Section 10 permit is required for all work, including structures, seaward of the annual high water line in navigable waters of the United States, defined as waters subject to the ebb and flow of the tide, as well as a few of the major rivers used to transport interstate or foreign commerce. A Section 404 permit is required for activities that involve the discharge of dredged or fill material into waters of the United States including not only navigable waters, but also coastal waters, inland rivers, lakes, streams, and wetlands. A Section 103 permit is required to transport dredged material for the purpose of disposal in the ocean. The ACOE, New England District has issued a PGP for minor work in Massachusetts. Any project that does not comply with the terms and conditions of the PGP will require an Individual (Standard) Permit. The PGP provides for three levels of regulatory review (Table 1):

- Category I - Non-reporting. Eligible without screening (provided required local and State permits and required State certifications are received), or

- Category II - Reporting. Require screening and a written determination of eligibility under the general permit by the ACOE after coordination with the U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency and National Marine Fisheries Service, and the CZM Office

- Individual Permit - The PGP does not affect the ACOE Individual Permit review process or activities exempt from ACOE jurisdiction

Applications must include a brief project description, a vicinity map, a site plan, and a plan view of the proposed structure. Federal and state resource agencies meet every three weeks to review applications. A PGP is usually issued, with or without special conditions, within 60 days of a complete application.

Table 1: Examples of the activities and categories of the PGP (ACOE 2003).

Activity	Category I	Category II	Individual Permit
Fill in Navigable Waters (most reefs qualify as fill)	Fills authorized by Ch.91 Amnesty program (e.g., seawalls or bulkheads). No provisions for new or previously unauthorized fills in Category 1, other than those authorized under the MA Chapter 91 Amnesty program.	Up to 1 acre fill and\or waterway and wetland impacts (e.g., areas drained or flooded). Fill includes temporary and permanent waterway. Temporary fill and excavation up to 1 acre in special aquatic sites. No permanent fill and/or excavation in special aquatic sites except when associated with a proactive restoration project. Proactive restoration projects with any amount of impact can be reviewed under Cat. 2. The ACOE, in consultation with State & Federal agencies, must determine that net adverse effects are not more than minimal.	Greater than 1 acre waterway fill and\or secondary waterways or wetland impacts (e.g., areas drained or flooded). Fill includes temporary and permanent waterway fill. Temporary fill and excavation up to 1 acre in special aquatic sites. Permanent fill or excavation, any amount, in special aquatic sites, other than specified in Cat. 2. EIS required by the ACOE.
Dredging	Maintenance dredging less than 1,000 cy with upland disposal, provided proper siltation controls are used. Provided: • Dredging and disposal operation limited to November 1 to January 15. • No impacts to special aquatic sites	Maintenance dredging greater than 1,000 cy, new dredging up to 25,000 cy, or projects that don't meet Cat. 1. Provided: • No impacts to special aquatic sites. • Disposal includes upland, beach nourishment, and open water, only if ACOE, in consultation with federal and state agencies, finds the materials suitable	Maintenance dredging and/or disposal (any amount) in or affecting a special aquatic site, new dredging greater than 25,000 cy., or any amount in or affecting a special aquatic site,
Pile-Supported Structures and Floats	Piers /structures licensed by Ch. 91 through the Amnesty program. Private, bottom-anchored floats up to 400 SF. in size. Private, pile-supported structures for navigational access to the waterway, <400 SF in size, with attached floats totaling <200 SF. Provided (for all of the above): •Floats supported off substrate at low tide. •Pile-supported structures &floats are not positioned over vegetated shallows and moored vessels are not positioned over special aquatic sites. •Pile-supported structures that are <4' wide have at least a 1:1height:width ratio10. •Ch. 91 license issued. •Not associated with a boating facility. •Not located within the horizontal limits of a ACOE Federal Navigation Project (See Appendix B).	Private piers and floats that don't meet the terms in Cat. 1, and don't require an Individual Permit. Pile-supported structures or floats located such that they, and/or vessels docked or moored at them, are within the buffer zone of the horizontal limits of a ACOE Federal Navigation Project (FNP). (See Appendix B.) The buffer zone is equal to three times the authorized depth of that FNP. Note: Federal Navigation Projects include both Federal Channels and Federal Anchorages. Expansions to existing boating facilities.	Pile-supported structures and floats associated with a new or previously unauthorized boating facility . Pile-supported structures or floats located such that they and/or vessels docked or moored at them, are within the horizontal limits of a ACOE Federal Navigation Project (See Appendix B). Note: Federal Navigation Projects include both Federal Channels and Federal Anchorages. Any work in the area of the Cape Cod Canal located west of the vertical lift railroad bridge as noted in Appendix C and specified at Endnote 11 of the MA PGP (ACOE 2003).

Activity	Category I	Category II	Individual Permit
Miscellaneous	Temporary buoys, markers, floats, and similar structures for recreational use during specific events, provided they are removed with 30 days after use is discontinued. Coast Guard-approved aids to navigation. Oil spill clean-up temporary structures & fill. Fish and wildlife harvesting structures and fill (as defined by 33 CFR 330, APP. A-4). Scientific measurement devices and survey activities such as exploratory drilling, surveying, and sampling activities. Does not include oil and gas exploration and fill for roads or construction pads.	Structures or work in or affecting tidal or navigable waters that are not defined under any of the previous headings listed above. Includes, but is not limited to, utility lines, aerial transmission lines, pipelines, outfalls, boat ramps, and bridges. Shellfish aquaculture facilities in compliance with the Aquaculture Guidelines.	EIS required by the ACOE. Shellfish aquaculture facilities in compliance with the Aquaculture Guidelines. Shellfish aquaculture facilities not in compliance with guidelines, including those facilities within 25 feet of eelgrass beds.

For Individual Permits, within 15 days of receiving the required application material, the ACOE issues a Public Notice seeking comments from abutters, regulatory agencies, and the public. The comment period is typically 30 days. The ACOE evaluates comments received, compliance with section 404(b) (1) of the Federal Clean Water Act if applicable, public interest factors and issues a permit if the project is not contrary to the public interest.. If denied, the applicant is informed of the reason(s) through the Environmental Assessment/Statement of Findings.

No ACOE permit is valid until the applicant has obtained all the required state approvals. For more information, please visit the ACOE website (www.nae.usace.army.mil).

5.1.2 - Department of Interior

The DOI has broad authority under the Outer Continental Shelf Lands Act (OCSLA) to protect natural resources. They have specific responsibility to enhance recreational fishery resources under the Federal Aid in Sport Fish Restoration Act of 1950 (Dingell-Johnson Act) as amended by the Wallop-Breaux Amendment, through the Deficit Reduction Act of 1984 (PL 98-369, USC 777c). This act provides federal financial assistance to the states for approved studies and projects directed at enhancement of recreational fisheries resources.

5.1.3 - The US Fish and Wildlife Service

The US Fish and Wildlife Service (USFWS) administers the Federal Aid in Sport Fish Restoration Program, which provides matching grants to states to undertake sport fish restoration and boating projects. Money for this program is collected from excise taxes on fishing tackle and motor boat fuels in a "user pays/user-benefits" program. The 1984 Wallop-Breaux Amendment to the Sport Fish Restoration Act significantly enhanced the states' abilities to undertake artificial reef programs through increases in financial assistance for such projects. Consequently, this funding has influenced the direction of artificial reef programs nationwide with a greater focus on enhancement of recreational fisheries and increased fishing opportunities through better access to the fisheries resources. The USFWS is required to consult with the ACOE under the Fish and Wildlife Coordination Act (FWCA) whenever the waters or channels of a body of water are modified by a department or agency of the U.S., with a view to conserve wildlife resources. In addition, the USFWS participates in the cooperative Interstate Fishery Management

Program (ISFMP) of the ASMFC to develop and implement fishery management provisions of the Atlantic Coastal Fisheries Act. The USFWS also provides a critical function in co-chairing the National Recreational Fisheries Resources Conservation Council with the NMFS.

5.1.4 - The Minerals Management Service

The Minerals Management Service (MMS) is responsible under the OCSLA for leasing federal lands on the US outer continental shelf (OCS) and regulating the development of oil, gas, and sulfur resources in an orderly manner while properly safeguarding the environment. The MMS supports the appropriate conversion of retired oil and gas platforms for reefs when such platforms are permitted and designated for use by a state artificial reef program and within areas established for receipt of platforms for the enhancement of habitat for fish and other aquatic life (Wilson 1987).

5.1.5 – National Marine Fisheries Service

The National Marine Fisheries Service (NMFS), a branch of NOAA, carries out responsibilities of the Department of Commerce (DOC) for the marine fisheries of the country. The DOC has responsibility under the Magnuson Act as amended by the Sustainable Fisheries Act of 1996, to restore, maintain, and enhance fishery resources in the EEZ. Also under this act, the DOC must develop and provide to FMC's guidelines on essential fish habitat (EFH) which will assist in amending Fishery Management Plans (FMP) developed by the FMC's. Under these new provisions, artificial reefs may be designated as EFH. Under the Endangered Species Act of 1973 (ESA), Section 7 requires NMFS to consult with other agencies to ensure that any action authorized, funded, or carried out is not likely to jeopardize the continued existence of any listed endangered species or threatened species, or result in the destruction or adverse modification of designated critical habitat of such species. The DOC also has general authority under the FWCA and the Inter-Jurisdictional Fisheries Act of 1989 (PL 99-659) to cooperate with the states to conserve and manage fishery resources in the territorial sea. Further, under Section 804 of the Atlantic Coastal Fisheries Act, the Secretary of Commerce, in consultation with the Secretary of Interior, "...shall implement a program to support interstate fisheries management efforts...[which]...shall include habitat conservation...". The Maritime Programs Appropriations/Authorizations Act of 1972 (PL 98-402) authorized the transfer of surplus World War II "Liberty" class war vessels designated by the Secretary of Commerce to coastal states as scrap if states would utilize them to construct artificial reefs. Provisions of this act established a formal protocol to remove derelict vessels from the Maritime Administration's inactive fleet and transfer them directly to state artificial reef programs. Such vessels have been utilized by many state marine artificial reef programs over the years, and have provided excellent fishing and diving sites. The National Fishing Enhancement Act amends this act to transfer authority for vessels available for artificial reefs to the Department of Transportation. However, some constraints may exist on availability or suitability of military vessels for artificial reef use. The NMFS also plays an obvious part in artificial reef development, management, and regulation through its role as the lead agency in the development of the NARP. Additionally, the NMFS has been involved in a general oversight capacity in such activities as providing comments on artificial reef permits, reviewing potential impacts to EFH, research, establishment of acceptable standards for the transfer, cleaning and preparation of certain reef materials, and in establishment of fishery regulations pertaining specifically to development of artificial reef sites.

5.1.6 - The National Ocean Service

The National Ocean Service (NOS), another branch of NOAA, is responsible for mapping the locations of artificial reef sites and other bottom obstructions. Due to the advent of affordable differentially correct Global Positioning Systems (GPS), many coordinates of previously marked artificial reef sites have been found to be inaccurate. During the ACOE permit process, the NOS must be notified of reef locations to ensure that reef sites are accurately plotted. Cooperative programs with fishermen and/or divers may be of great value as part of the monitoring of permitted reef sites by assisting in detection of any movement or deterioration of reef structures and components.

5.1.7 - Department of Defense

The Department of Defense (DOD) is responsible for preserving national security, maintaining navigation, and protecting the public interest in multiple uses of the nation's waters. The DOD has worked with the states in several programs to provide materials for reef construction. More recently, the "REEFEX" initiative was developed within several branches of the DOD to facilitate transfer of demilitarized combat vehicles to state artificial reef programs along the Gulf and Atlantic coasts. Although the program is now inactive, the intent was to make other suitable materials available in future programs.

5.1.8 - United States Coast Guard

The U.S. Coast Guard (USCG) is responsible for protecting the public, the environment, and the U.S. economic interests in the nation's ports and waterways, along the coast, on international waters, or in any maritime region. The USCG has authority to:

- Promulgate regulations dealing with lights, warning devices, and other public and private aids to navigation on offshore installations
- Establish safety fairways and traffic separation schemes for safe movement of vessel traffic under the Ports and Waterways Safety Act
- Establish safety zones around offshore facilities
- Enforce fishery laws
- Monitor and enforce compliance with international conventions and statutes on environmental protection

The USCG manages the Private Aids to Navigation Program to ensure that aids to navigation are being maintained to conform to certain minimum standards, and to promote the accuracy of information available to mariners. In some cases, aids are required because an artificial reef may pose some hazard to navigation. As part of the planning process for an artificial reef, the sponsor should be aware that a significant cost might be involved in buying and maintaining the appropriate aids to navigation.

When an artificial reef is not considered an obstruction to navigation, aids established for indicating the presence of a reef to users may be discontinued when reef construction is completed, if authorized by the USCG District Commander. The USCG District Commander, upon receiving an application from the reef sponsor, will make the decision on when navigation aid is no longer mandatory. Site specific considerations will determine actual requirements (Atlantic 1998).

5.1.9 - Maritime Administration

Within the Department of Transportation (DOT), the Maritime Administration (MARAD) has been involved in numerous artificial reef construction projects over the past three decades through the donation of surplus ships for reef construction material. Under amendments to PL 98-402 in Section 207 of the National Fishing Enhancement Act, the Secretary of Transportation has authority to designate any "obsolete" vessel as being available for transfer to state artificial reef programs.

5.1.10 - The Environmental Protection Agency

The EPA has responsibility under the Marine Protection, Research, and Sanctuaries Act of 1972 (MPRSA) and the Clean Water Act of 1977 (CWA) to regulate ocean dumping and point source pollution. All permits issued under these two Acts must comply with environmental guidelines promulgated by the EPA. Under the MPRSA, the EPA also has the authority to designate ocean dumping sites for all discharges into ocean waters. However, such activities have been segregated in the EPA

permits from artificial reef construction activities. Under the CWA, the EPA co-administers the Section 404 program with the ACOE. Among other responsibilities, the EPA may prohibit or restrict discharges of dredged or fill material at sites where the discharge would have unacceptable effects on fish, shellfish, wildlife, recreation, or municipal water supplies.

As part of their involvement in REEFEX, an interagency technical working group consisting of representatives from the EPA, U.S. Navy, and the South Carolina Department of Natural Resources, the EPA developed criteria for preparation of demilitarized combat vehicles prior to their use in reef construction. Although specific to this particular material, this marks the first time since passage of the National Fishing Enhancement Act of 1984 that some guidelines have been developed for materials used in the construction of artificial reefs.

5.1.11 - National Environmental Policy Act

The National Environmental Policy Act (NEPA) established environmental protection as a national policy goal and directed all federal agencies to consider the environmental consequences of their projects and permitting actions. The NEPA review provides opportunities for integration of national environmental policy into project planning; public and agency review of potential environmental effects of federal actions (including issuance of federal permits) and programs; coordinated and inter-disciplinary program planning; and resolution of disputes among agencies. Most federal agencies have promulgated regulations governing the incorporation of NEPA's reviews into their programs.

There are three levels of analysis in the NEPA review system. The first level, a categorical exclusion determination may exclude an undertaking from a detailed environmental analysis if it meets certain criteria that have previously been determined as having no significant environmental impact. The next level is the environmental assessment (EA), with one federal agency designated as the lead agency for preparing the EA. Following publication of the EA in the *Federal Register* and a public comment period, the agency will issue a Finding of No Significant Impact (FONSI) or will decide to prepare an environmental impact statement (EIS) to examine alternatives, impacts, and mitigation. Other federal and state agencies may play an official role in preparation by becoming "cooperating" agencies with the lead agency. At the completion of the EIS process, the lead agency issues a Record of Decision making environmental findings.

5.1.12 - Federal Consistency Review Procedures

Federal Consistency Review is required for any project undertaken by a federal agency, requiring a federal permit, requiring a federal offshore oil and gas lease, or receiving federal funding that is in or may affect the land or water resources or uses of the Massachusetts coastal zone. The Massachusetts coastal zone is the area bounded by the seaward limit of the state's territorial sea (generally 3 miles from shore) to 100 feet landward of specified major roads, railroads, or other visible right-of-way (generally the first major transportation corridor inland of the shoreline, see Figure 1). Any project proposal that exceeds MEPA thresholds and that requires a federal license or permit must be found to be consistent with CZM coastal policies.

CZM's federal consistency review ensures that any federal activities in or affecting Massachusetts' coastal resources are consistent with state coastal policies. These policies are enforceable, and are based on existing Massachusetts statutes and regulations and offer policy guidance on management of water quality, marine habitat, protected areas, coastal hazards, port and harbor infrastructure, public access, energy, ocean resources, and growth management. The project-specific federal activity cannot take place until CZM concurs that the project is consistent with state coastal policies. Specific application requirements and review timetables for the various federal actions that make a project proposal subject to CZM's review are contained in regulations at the CZM federal consistency review website (http://www.mass.gov/czm/fcrczmregs.pdf).

Upon receipt of a complete application, the federal consistency review can begin. The following steps then occur:

- A project review schedule is sent to the applicant or his or her agent
- The project is assigned to a CZM technical reviewer, who will be responsible for evaluating the materials provided and for making a recommendation to the Director of CZM as to whether or not the project is consistent with CZM's enforceable program policies
- A public notice of the proposed project is published in the next available *Environmental Monitor*, a publication of the MEPA Unit in the Executive Office of Environmental Affairs (EOEA). A 21-day comment period begins on the day that the *Environmental Monitor* is published
- When all technical and public policy questions raised by the project have been resolved, and all other state licenses and permits have been obtained, CZM may concur with or object to the applicant's Federal consistency certification. This may occur any time from immediately following the close of the public comment period to the end of a period defined by federal regulation. CZM makes every effort to render a decision at the earliest possible time

Massachusetts chose to develop and implement a "networking" coastal management program. Under this approach, CZM has entered into Memoranda of Understanding (MOU) with the state agencies that issue environmental licenses, permits, and certifications to implement CZM's enforceable program policies through their regulatory processes. A Federal consistency review cannot be completed until copies of all relevant state environmental licenses and certifications have been received by CZM.

An applicant may also request mediation from the NOAA Office of Coast and Ocean Resource Management (OCRM) or appeal CZM's denial of Federal consistency to the U.S. Secretary of Commerce by filing a notice with the Secretary within 30 days of receipt of CZM's denial. Copies of the appeal and any accompanying information must also be filed with all of the state and federal agencies involved with the proposed project. Complete information on the appeal process may be found in federal regulation 15 CFR 930 Subpart H. CZM must be notified of any modification to a project that has previously been reviewed and approved. Based on the significance of the proposed modification, CZM may determine that no further review is required, or may require the proponent to reopen the federal consistency process.

When a project is below CZM's thresholds for Federal consistency review or is otherwise outside the jurisdiction of the federal consistency process, the federal agency issuing the final license for a proposed project may require the applicant to obtain a statement to that effect from CZM. The applicant may send a request for a waiver with a copy of the appropriate federal license application to the CZM Project Review Coordinator. If CZM determines a project is not subject to federal consistency review, applicants can expect confirmation within a week of receipt of their request.

Following a catastrophic event, such as a hurricane, there may be repairs that require emergency certification from local, state, and federal agencies to mitigate damage in an accelerated period. The Federal consistency process recognizes such situations and provides for emergency certifications. The action proposed for emergency certification must be one that is necessary to avoid or eliminate imminent threat to public health and safety, and is limited to what is necessary to abate the emergency. Full compliance with all pertinent state licensing procedures, including CZM Federal consistency review, is required when the immediate need for undertaking the emergency action no longer exists.

For more information detailing the CZM Federal Consistency Review process, please see the CZM website at www.mass.gov/czm.

5.2 State Role

There is consensus among state agencies that artificial reef projects must be considered as fishery management issues. As more fish species become subject to IMFC FMP regulations, it is important that state artificial reef programs become more closely linked organizationally with state fishery programs. It is imperative that appropriate state agencies play a major role in the development of national and site-specific guidelines for artificial reefs and their use.

Because of the potential long-term effects of altering the environment through artificial reef development, and the potential impacts of artificial reefs on finfish and shellfish stocks, eligibility to hold a permit to develop an artificial reef should be restricted to the appropriate state fishery management agency. *MarineFisheries* holds the public trust in managing fisheries resources and is the principal entity that can demonstrate long-term accountability for liability required in artificial reef permits.

5.2.1 - Massachusetts Environmental Policy Act

The MEPA Unit within the Massachusetts Executive Office of Environmental Affairs (EOEA) administers the MEPA Review. This process provides opportunities for public review of the potential environmental impacts of projects for which state agency action is required. The MEPA review helps state agencies satisfy their obligation to avoid damage to the environment, or if damage to the environment cannot be avoided, to minimize and mitigate the damage to the maximum extent practicable. State agency action includes activities that are undertaken, permitted, and/or funded by agencies of the Commonwealth, and the transfer of lands owned or controlled by the Commonwealth. The intent of the MEPA review is to inform project proponents and state agencies of potential adverse environmental impacts while a proposal is still in the planning stage. The proponent, through the preparation of one or more review documents, identifies required state agency actions and describes the means by which the proposal complies with applicable regulatory standards and requirements. All relevant state agencies are required to identify any aspects of the proposal that require additional description or analysis prior to completion of the agency action, which is usually the issuance of an environmental permit. Proponents of projects that require state action and that meets or exceeds MEPA review thresholds must file an Environmental Notification Form (ENF) and may be required to file an Environmental Impact Report (EIR).

Proposed projects are subject to a MEPA review if they equal or exceed the MEPA thresholds. Examples of threshold activities include:

- Alteration of 25 or more acres of land
- Alteration of designated significant habitat, and/or taking of endangered or threatened species or species of special concern
- Alteration of coastal dunes, barrier beaches, or coastal banks; alteration of 500 ft. of fish run or inland bank; alteration of 1,000 square feet of salt marsh or outstanding resource waters; alteration of 5,000 square feet of bordering or isolated vegetated wetlands; new or expanded fill or structure in a velocity zone or regulatory floodway; alteration of one-half acre of other wetlands
- Projects proposed within an Area of Critical Environmental Concern (ACEC)

It is important to review the complete list of MEPA thresholds for applicability to a particular proposal. No state permits can be issued until the Secretary certifies that the project's environmental impacts have been fully described and all necessary plans to avoid, minimize, and mitigate adverse effects are in place. The MEPA regulations also provide mechanisms to review proposals that are below MEPA thresholds but may have adverse environmental impacts, project changes and time lapses, and for waivers of certain provisions of the regulations.

5.2.2 - Massachusetts Wetlands Protection Act and Rivers Protection Act

Any construction in or near a wetland resource, including intertidal and subtidal habitat, is subject to the provisions of the Wetlands Protection Act (WPA). Local conservation commissions and the Department of Environmental Protection (DEP) Wetlands Program administer the WPA. The purpose of the WPA is to protect Massachusetts wetlands resources and to ensure that the beneficial functions of these resources are maintained. A wetland is defined as:

- Any bank, freshwater wetland, coastal wetland, beach, dune, tidal flat, marsh or swamp bordering on the ocean, any estuary, creek, river, stream, pond, lake, or certified vernal pool
- Land under any of the water bodies listed
- Land subject to tidal action, coastal storm flowage, or flooding
- Riverfront areas in the Commonwealth of Massachusetts

Projects in wetlands resource areas, or in the buffer zone around them, must obtain a local Order of Conditions through DEP. The wetland resources identified are protected because they fulfill the public interest to protect public and private water supply, protect fisheries, protect groundwater supply, provide flood control, protect land containing shellfish, prevent storm damage, protect wildlife habitat, and prevent pollution. These interests are protected by a "no net loss of wetlands" policy. Projects that affect wetlands are required to avoid impacts where possible, minimize unavoidable impacts, and mitigate for unavoidable impacts. In addition to the requirements of the WPA, project proponents should check with local conservation commission officials to determine if there are any local wetlands by-laws applicable to the project.

5.2.3 - Public Waterfront Act (Chapter 91)

Any project in, under, or over flowed or filled tidelands or great ponds will require a Chapter 91 license or permit. The Division of Wetlands and Waterways in the DEP administers the Chapter 91 Waterways Program. Chapter 91 is the Massachusetts public trust statute that protects the public's rights to fish, fowl, and navigate below the current or historic high water line, and in great ponds and navigable rivers and streams in Massachusetts. Waterways regulations promote the preservation of tidelands for water-dependent uses that require direct access to the water. In addition, the regulations seek to ensure that areas in jurisdiction are maintained for public use and enjoyment when privately developed. Dredging, placement of structures, change in use of existing structures, placement of fill, and alteration of existing structures in any of the following coastal areas falls under Chapter 91 (recognizing that MGL Ch. 91 applies more broadly than to coastal areas) including:

- Flowed tidelands - projects in, on, over, or under tidal areas between the mean high water (MHW) line and the limit of state territorial waters (generally 3 miles from shore)
- Filled tidelands outside Designated Port Areas (DPAs) - projects up to the first public way or 250 feet from MHW, whichever extends farther inland
- Filled tidelands inside DPAs - projects between the present and historic MHW (i.e. all filled areas inside DPAs)

Projects are reviewed to ensure that they: (1) do not unreasonably interfere with navigation, (2) are structurally sound, (3) provide a proper public purpose, (4) do not interfere with public rights or rights of adjacent property owners, (5) will not adversely affect natural resources, and (6) preserve DPAs for maritime industrial use. The applicant must provide DEP with the proposed project location, type of project, project plans, information about other applicable state permits, a certification that the project does not violate municipal zoning, and notification of the municipal planning board. Projects are subject to a 30-day public comment period advertised in a newspaper of general circulation.

5.2.4 - 401 Water Quality Certification

Any activity that would result in a discharge of dredged material, dredging, or dredged material disposal greater than 100 cubic yards that is also subject to federal regulation must obtain a 401 Water Quality Certification. The Division of Wetlands and Waterways in the DEP administer the 401 Water Quality Certification Program. The 401 review ensures that a proposed dredge and/or fill project that can result in the discharge of pollutants complies with Massachusetts Surface Water Quality Standards, the WPA, and otherwise avoids or minimizes individual and cumulative impacts to Massachusetts waters and wetlands. As the authority to administer the 401 Water Quality Certification is derived from the Federal Water Pollution Control Act, only projects that require a federal permit are subject to 401 reviews. Reviews are divided into Major Projects (5,000 cubic yards of dredging or more) and Minor Projects (less than 5,000 cubic yards of dredging). The 401 application must include a description and plans of the proposed dredging area, method of dredging, a description of the material to be dredged, and the proposed disposal site. If the proposed dredging is in an Outstanding Resource Water (314 CMR 4.00) the applicant must publish a public notice in the *Environmental Monitor*. Copies of the public notice must be sent to the local conservation commission and to the DEP. Written comments on the application are accepted by the DEP for 21 days. The DEP may condition the certification to ensure that state surface waters are not harmed by the project.

5.2.5 - State Fisheries Regulations

The Division of Marine Fisheries (*MarineFisheries*) is the lead agency in the Commonwealth for the protection, management, and enhancement of marine fisheries resources, and the promotion and development of the recreational and commercial marine fisheries, for resident species, and those that spend a portion of their lifecycle in the state's tidal waters. Responsibilities also include:

- Administering marine fisheries laws
- Licensing and overseeing fin fisheries and shellfisheries in waters important to the Commonwealth of Massachusetts
- Cooperating with state, federal and international agencies to accomplish these goals

Coastal projects and projects in waterways must minimize impacts to finfish and shellfish and their habitat. Regulatory activities are conducted in coordination with NMFS.

MADEP will contact *MarineFisheries* as part of its Water Quality Certification, Chapter 91, and Wetland Protection Act permit reviews. *MarineFisheries* will recommend time-of-year restrictions on construction to protect spawning fish or will recommend mitigation for damage to shellfish beds or areas of Submerged Aquatic Vegetation (SAV). *MarineFisheries* also works cooperatively with other federal, state, and local agencies to:

- avoid / minimize adverse impacts to fisheries resources
- avoid / minimize adverse impacts through project modifications, sequencing, and time-of-year-restrictions
- seek restoration of habitat for direct short-term impacts
- recommend options for compensatory mitigation

MarineFisheries' recommendations are incorporated into permit conditions.

5.2.6 - Areas of Critical Environmental Concern

The purpose of the ACEC Program is to preserve, restore, and enhance environmental resources and resource areas of statewide significance. To accomplish this, the program, (1) identifies and designates

critical resources and resource areas; (2) increases the level of resource protection in designated ACECs by working through the existing state environmental regulatory framework; and (3) engages municipalities, state agencies, non-governmental organizations, and individuals in ACEC stewardship activities including resource management planning. MEPA review thresholds are reduced in ACEC's. The DEP Wetlands (and Chapter 91 Waterways Programs also include provisions in their regulatory reviews that protect the resources of ACECs.

The following reviews are required for a project proposed in an ACEC:

- MEPA - Projects proposed in ACECs are given scrutiny under MEPA if they need certain state permits, use state funding, or involve state agency actions. The project review thresholds (size or type) that require filing of an Environmental Notification Form (ENF) are reduced for proposals in ACECs (301 CMR 11.03: Review Thresholds). Once an ENF is filed, the review process proceeds as described in the MEPA regulations (301 CMR 11.05: ENF Preparation and Filing).

- Waterways - Chapter 91 regulations do not allow new fill in ACECs and place limits on new structures (310 CMR 9.32). Improvement dredging is permissible only for fishery and wildlife enhancement. Dredged material disposal is prohibited except for beach nourishment, dune construction or stabilization, or enhancement of fishery or wildlife resources (310 CMR 40.00).
- Wetlands - The performance standard is raised to "no adverse effects" except for maintenance dredging for navigational purposes of "Land under the Ocean" (310 CMR 10.24).

5.2.7 - Underwater Archaeological Resources

The Massachusetts Board of Underwater Archaeological Resources is responsible for managing underwater historical and archaeological resources. Proponents of projects in jurisdictional waters must contact the Board of Underwater Archaeological Resources to find out if the proposed activity will disturb underwater archaeological resources. The Board oversees the discovery, reporting, protection, and preservation of resources such as abandoned properties, artifacts, treasure trove, and sunken ships that have remained unclaimed for 100 years or more, or which are valued at $5,000 or more. The exact location of archaeological sites is not made public, in order to protect the resources from unauthorized excavation.

5.2.8 - Ocean Sanctuaries Act

There are five Ocean Sanctuaries in Massachusetts waters including the Cape Cod, Cape Cod Bay, Cape and Islands, North Shore, and South Essex Ocean Sanctuaries. These include most state waters with the major exception of an area east of Boston Harbor. The landward boundary of the sanctuaries is the mean low water mark and the seaward boundary is the limit of state waters, generally three miles offshore. Jurisdiction is over any activity that would seriously alter or endanger the ecology or appearance of ocean sanctuaries or the Cape Cod National Seashore.

Structures and activities that significantly alter the ecology of the ocean sanctuaries are prohibited except as they may be allowed under section 302 CMR 5.08 of the ocean sanctuaries regulations. The Department of Conservation and Recreation (DCR) administers the Ocean Sanctuaries Program. The Ocean Sanctuaries Act prohibits activities that may significantly alter or endanger the ecology or appearance of the ocean, seabed, or subsoil of sanctuaries or the Cape Cod National Seashore. To accomplish this goal the Act may prohibit:

- Building structures on or under the seabed
- Construction or operation of offshore or floating electrical generating stations

- Drilling or removal of sand, gravel (except for the purposes of beach nourishment), other minerals, gases, or oils
- Dumping or discharge of commercial, municipal, domestic or industrial wastes
- Commercial advertising
- Incineration of solid waste or refuse on vessels within sanctuary boundaries

These prohibitions may be waived if a finding of "public necessity and convenience" can be made for the proposed project or activity. Under the Ocean Sanctuaries Act, DCR does not issue any licenses or permits but acts through the regulatory process of other agencies, particularly the Chapter 91 Waterways Program. There is no separate ocean sanctuaries review process. Ocean sanctuaries staff comment on MEPA filings and on DEP Chapter 91 license applications during the respective public comment periods. Proposals that are below MEPA thresholds are presumed to comply with the Ocean Sanctuaries Act. A project that receives a Chapter 91 License is presumed to comply with the Ocean Sanctuaries Act.

5.2.9 - Designated Port Areas

The state has designated areas in developed ports for the purposes of promoting and protecting marine industrial activities and certain supporting uses. DPA's have been set aside in Gloucester Inner Harbor, Beverly Harbor, Salem Harbor, Lynn, Mystic River, East Boston, Chelsea Creek, South Boston, Weymouth Fore River, New Bedford-Fairhaven, and Fall River. Project proposals are reviewed through the MADEP Chapter 91 and MACZM Federal Consistency Review processes to ensure compliance.

5.3 Local Role

The role of local government agencies includes:

- Coordinating programs to provide materials for reef construction
- Providing technical support or supervision for community efforts
- Conducting reef programs, including financial support
- Obtaining state monies for local reef efforts
- Publicizing local reef efforts

These efforts are conducted with the oversight of state fishery management agencies to ensure compatibility with established state, regional, and national fishery management goals. Local governments can also assist state artificial reef programs in the collection of relevant social and economic information. Such information is extremely important in developing goals and objectives for reefs (Atlantic 1998).

Local conservation commissions and the DEP Wetlands Program administer the WPA. In addition to the requirements of the WPA, project proponents should check with local conservation commission officials to determine if there are any local wetlands by-laws applicable to the project.

5.3.1 - Zoning By-Laws

Applicants must contact local officials (usually the Planning or Zoning Board) to ensure that the proposed project is consistent with local zoning by-laws. The Zoning Act sets up the structure by which cities and towns adopt zoning by-laws to regulate uses of land, buildings, and other structures for the purpose of protecting the health, safety, and general welfare of present and future inhabitants. Most often zoning is accomplished by designation of zoning districts in which specific types of uses and/or structures are encouraged or prohibited. To protect environmental resources, a number of municipalities have adopted wetlands and floodplain overlay districts, and watershed and aquifer overlay districts.

5.4 Interstate Marine Fisheries Commissions

Coordination of state efforts through the IFMCs has facilitated the efforts of the National Artificial Reef Plan. The role of the IFMCs is to provide an open forum for discussion and debate on issues facing artificial reef program managers, respective federal agencies, and affected fisheries interests. States along the coasts of the Atlantic Ocean and the Gulf of Mexico established technical advisory committees for marine artificial reef development within their respective IFMCs. These committees are composed of state marine artificial reef program managers, representatives from the NMFS, the US Fish and Wildlife Service, the MMS, the EPA, and the FMCs, and provide critical advice to the IFMCs relative to development of marine artificial reefs.

The Artificial Reef Technical Committees of the ASMFC and GSMFC meet periodically to exchange information and to coordinate activities relevant to common areas of interest. Joint committee activities have served to consolidate individual state efforts along the Atlantic and Gulf coasts. The committees have worked cooperatively to identify and resolve national issues such as standardized criteria for materials used to build artificial reefs. The joint committee forum also has assisted member states in development and implementation of individual state plans and policies responsive to local, regional, and national needs (Atlantic 1998).

VI. Artificial Reef Assessment and Monitoring Guidelines

Artificial reefs must be monitored to assure compliance with permit conditions and other applicable regulations, and to assess performance to confirm that the goals and objectives of the reef design are being achieved. The specific monitoring strategies will depend on the degree of compliance required and the objectives and resources of the permittee. The information obtained is beneficial for improving existing reefs and for building effective reefs in the future.

Compliance monitoring is established during the permitting process in accordance with the NARP, to assure continued conformity to conditions or restrictions defined in an artificial reef permit. Performance monitoring evaluates an artificial reef or reef system to assure the established goals and objectives are being met. Performance monitoring criteria may include the collection of preconstruction, or site selection background data. The type of monitoring will depend on the permit requirement, but should provide enough information to establish statistically valid conclusions. Documentation of all monitoring will be recorded by the *MarineFisheries'* Artificial Reef program, and a permanent record of all monitoring activities will be maintained on file.

6.1 Assessment Guidelines

6.1.1 - Biological assessment

Evaluation of reefs requires a detailed biological assessment of reef impacts. Underwater observations and reef monitoring dives can provide information about reef community development, and the success or failure of a reef in enhancing fish and/or invertebrate populations. Data collected may examine important ecological aspects of the reef, including invertebrate fouling community development, degree of interaction between fish communities and invertebrate communities, target marine species with certain reef designs, or location and long-term changes that may take place in reef community structures over time. An advantage of this type of assessment includes the ability to detect and document potential negative consequences from reef construction or reef use. Biological monitoring of existing artificial reefs is also critical in identifying research priorities for further characterizing the ecological characteristics and habitat functions of artificial reefs.

6.1.2 - Fisheries Assessment

A reliable measurement of the reef success involves evaluating quantifiable impacts of the reef on fisheries. Information on marine species commonly landed, catch per unit of effort, total catch, effectiveness of individual gear types or fishing methods, and seasonal harvest rates may be obtained on fisheries resources throughout the effective life span of a reef. Performance monitoring activities will assist reef managers in determining the impact to individual marine species populations and the effectiveness of certain fishing practices or gear types. This information is critical for fisheries resource managers in determining the need for new regulations, changes to fishing practices, public education, and additional data collection. Data needs for fisheries assessment may require fishing survey queries to determine the type and extent of fishing activities around reefs.

Artificial reefs designated as Marine Protected Areas (MPA's) can help to mitigate the depletion of fishery stocks from over harvest and habitat degradation. In order to achieve this objective, it is essential that artificial reefs be protected as no-take areas, be large in size, and are extensively evaluated and monitored (Pitcher and Seaman 2000).

6.1.3 - Socio-Economic Assessment

Social and economic factors must be considered when measuring the overall success of any artificial reef or reef system. In order to document the social benefits and overall cost effectiveness of reef development, monitoring needs to examine a variety of different factors. Socioeconomic assessments are conducted using specifically designed surveys that target certain user groups. Direct and indirect economic benefits, quality of fishing, fuel consumption per trip, user conflicts, and changes in fishing patterns or techniques, can be examined to determine the overall impact of the reefs.

6.2 Monitoring guidelines

6.2.1 - Compliance Monitoring

Compliance monitoring begins upon completion of all construction and post construction monitoring. Requirements will vary based on reef design, materials, age, and location of the reef, and in response to severe weather events that may alter or destroy reef materials. The first component of the monitoring involves the documentation of material stability or structural integrity, and may often be conducted through the use of simple bathymetric surveying instrumentation such as hull mounted depth recorders, towed side-scan sonar, or SCUBA. Cable controlled cameras and (ROV's) with cameras may also be used when practical or available. In situations where compliance monitoring has detected problems with a particular reef or reef structure, all pertinent agencies must be notified as soon as possible (normally the ACOE and the USCG).

6.2.2 - Performance Monitoring

The assessment of physical, biological and socio-economic factors is essential in documenting the degree of success and impacts of a given artificial reef or reef system. Performance monitoring involves the on-going evaluation of an artificial reef (or system of reefs) to determine if the reef is meeting the defined goals and objectives. A properly designed performance monitoring strategy will help to:

- Detect any unexpected negative consequences
- Evaluate alternative management strategies
- Improve future artificial reef construction techniques
- Identify additional research priorities

6.2.3 Monitoring Case Study: HubLine Reef

Note: This case study summarizes monitoring methodologies developed for the *MarineFisheries* Bottom Sediment Enhancement Project as partial mitigation for assumed biological impacts from the construction of the Algonquin gas pipeline (HubLine) in 2002 -2003. A complete review of the monitoring methodologies for this project are documented in a *MarineFisheries* Technical Report "Division of Marine Fisheries Artificial Reef Monitoring Program (in press)" and can be found on the *MarineFisheries* website: mass.gov/dfwele/dmf/publications/technical.htm.

To evaluate the success of the HubLine reef, a structured monitoring program was designed to characterize and track juvenile settlement and development of invertebrate and finfish populations on the reef. Lobster size-distribution and settlement on the reef was compared to adjacent areas in Massachusetts Bay, including sites on disturbed areas of the HubLine pathway. Monitoring program elements included (but not limited to):

- Visual Dive Surveys - Permanent transects at reef and control areas, a natural rocky reef, and the HubLine fill point. Permanent sampling methodologies allow for the repeated sampling of transects over time. Two-meter "swath" bars are used for quantifying macro invertebrates and fish along each transect. One meter squared quadrats with a 1/4 m^2 inset quadrat are used to sample smaller invertebrates typically found in higher densities, substrate type, algal coverage, and encrusting or sessile invertebrate coverage. These methods allow for the collection of data that can be used to quantify changes in species abundance and diversity through time.

- Optical/Acoustical Surveys – Surveys are conducted with a tow sled fitted with a camera and sonar equipment. The surveys assist in monitoring changes in vegetation and assure stability of the reef over time.

- EBP Suction Sampling - Airlift sampling of young-of-year (YOY) lobsters and other motile invertebrates are conducted in the late summer of each year. Three 1/2 m^2 quadrats are sampled per reef plot on three different substrate sizes using standard *MarineFisheries* airlift sampling procedures. Suction sampling is also conducted on impact control plots to compare lobster settlement between the reef and the sediment the reef was installed on. These data are also compared to naturally occurring cobble habitat and to disturbed areas along the HubLine pathway.

- Ventless Trap Survey - Two pairs (1 vented /1 ventless) of traps are deployed on each reef and control plot. The experimental traps are hauled once per week from May through November each year. The contents of each trap are measured and recorded in accordance with standard *MarineFisheries* lobster trap sampling protocol.

A successful artificial reef will remain in place and continue to provide durable, safe, and effective habitat necessary to provide the foundation of the reef community itself (Bell 1991). The varieties of materials used in reef construction require continuous evaluation. Reef material stability and structural integrity are critical components for the success of a reef material type. Although some monitoring of material stability can be accomplished through remote sensing, diving is the most reliable and cost effective method of evaluating the condition of artificial reef structures. Divers can detect and measure a number of factors of interest in documenting reef material designs. Observations on lateral movement, subsidence, burial, scouring, structural deformations, corrosion, and material destruction can be made on most artificial reefs (Bell 1991). Construction materials that demonstrate undesirable qualities not in keeping with established standards should not be considered for use. The direction of any reef program is incumbent upon learning from past failures and successes, and documentation of this information is critical.

VII. Policy

Artificial reefs constructed in the waters under the jurisdiction of the state and contiguous federal waters should be designed and built in accord with this policy. As the state agency responsible for the marine resources of the Commonwealth, *MarineFisheries* is best suited to coordinate all artificial reef-building activities in state waters and be the primary agent for these activities in contiguous federal waters.

7.1 Artificial Reef Program Administration

As the coordinator for the Massachusetts Artificial Reef Program, *MarineFisheries* will adopt the following administrative policies:

- *MarineFisheries* will maintain accurate records on all artificial reef activities it conducts
- *MarineFisheries* will keep copies of all permits on file as part of an artificial reefs permanent record
- *MarineFisheries* will maintain accurate and current maps of all artificial reef locations
- *MarineFisheries* will act as the point of contact for donors of reef materials
- *MarineFisheries* will coordinate public involvement and volunteer efforts
- *MarineFisheries* will collect and disseminate artificial reef information to the public
- *MarineFisheries* will participate in regional and national artificial reef planning and management activities
- *MarineFisheries* will oversee artificial reef research and monitoring efforts

7.2 Planning and Development

As the agency with regulatory authority over the marine resources of the state, artificial reefs will be planned, designed, sited, constructed, and monitored under the auspices of *MarineFisheries*. This would ensure that all artificial reefs constructed in state waters are consistent with the goals, objectives, and guidelines outlined in the MARP. During the planning and development of artificial reefs in state and contiguous federal waters, *MarineFisheries* will adopt the following policies:

- *MarineFisheries* will (or will require the proponent to) ensure that all permits required to carry out any aspect of artificial reef construction or program management are obtained prior to beginning any work
- No entity, other than *MarineFisheries* should be issued permits for artificial reef construction by federal or state regulatory agencies including, but not limited to the ACOE or DEP
- *MarineFisheries* will (or will require the proponent to) adhere to all conditions of any permit issued by federal or state regulatory agencies including, but not limited to the ACOE or DEP
- *MarineFisheries* will (or will require the proponent to) evaluate, assess, and seek public input on the demand for artificial reefs and potential user conflicts when siting artificial reefs
- *MarineFisheries* will participate in the process of evaluating, assessing, and selecting a suitable site(s) for artificial reef development
- *MarineFisheries* will (or will require the proponent to) solicit and facilitate citizen participation during the planning and development of artificial reefs
- *MarineFisheries* will continue to participate on the ASMFC artificial reef technical committee, and seek to strengthen communication with federal agencies involved with permitting artificial reefs

- *MarineFisheries* will allow the use of materials listed as acceptable under the "Guidelines for Marine Artificial Reef Materials". Other materials may be considered on a case-by-case basis
- *MarineFisheries* will not allow the use of: 1) white goods (household appliances); 2) automobile and truck bodies; 3) asphalt materials; and 4) tires for constructing an artificial reef
- *MarineFisheries* will require that all phases of artificial reef planning, development and maintenance are carried out in accordance with the guidelines, policies and procedures established in the MARP and all pertinent regulations
- *MarineFisheries* will require that a contingency plan be developed during the planning stages of artificial reef development and in place prior to permitting. A contingency plan will include feasible, timely, and cost-effective options for the removal of a reef or for the mitigation of unanticipated impacts, resulting from improper placement, unsuitable materials, or movement of materials off the permitted site, as determined during monitoring.
- When artificial reefs are proposed as mitigation, the first priority for *MarineFisheries* will be to avoid impacts. Artificial reefs as mitigation should only be used as a last resort. The value, as defined, of productive habitat generated as a result of a mitigation project must meet or exceed the value, as defined, of the habitat lost
- When artificial reefs are proposed as mitigation, *MarineFisheries* will consider artificial reefs only when proposed habitat loss or degradation is on hard bottom, or artificial or natural reef habitat

7.3 Deployment

MarineFisheries personnel must be present during the placement of all materials on any marine artificial reefs constructed in Massachusetts. During the deployment of artificial reef materials, *MarineFisheries* will adopt the following policies:

- *MarineFisheries* will (or will require the proponent to) require all artificial reef construction activities be carried out with safety as the primary concern
- *MarineFisheries* will (or will require the proponent to) ensure that the actual deployment of the reef materials takes place in the location designated in the permit
- *MarineFisheries* will confirm all aspects of construction activities that take place are in compliance with construction permits
- *MarineFisheries* will require any potential problems or discrepancies to be documented and reported
- *MarineFisheries* will require marine contractors to assume full responsibility and liability for all donated materials being transported until properly deployed on permitted sites in accordance with permit specifications. The marine contractor will also assume responsibility for the safety of his personnel and equipment and have insurance appropriate to cover this liability
- *MarineFisheries,* or other parties designated as the final permit holder, will not assume ownership of an artificial reef until the reef is properly placed on the ocean floor

Following the completion of any marine artificial reef construction activities, *MarineFisheries* personnel will adopt the following policies:

- *MarineFisheries* will (or will require the proponent to) record and document accurate positions and conditions of all reef materials deployed
- *MarineFisheries* will (or will require the proponent to) conduct in-water inspections of reef construction activities

- *MarineFisheries* will (or will require the proponent to) document and record all construction activities and make necessary reports to permitting authorities
- Vessels or material used for artificial reefs will be the responsibility of the donor until materials are placed on the permitted reef site
- *MarineFisheries* will (or will require the proponent to)work with personnel in disseminating information to the public regarding the completion of reef construction activities

7.4 Monitoring and Maintenance

During and subsequent to construction of an artificial reef, monitoring for compliance with ACOE permits and the assessment of artificial reef performance relative to the reefs objectives is required. Section 203 of the National Fishing Enhancement Act states that artificial reefs "shall be sited and constructed, and subsequently monitored and managed" (to) enhance fishery resources, facilitate access to users, minimize liability and risk, and be consistent with international law. In order to effectively monitor and maintain artificial reefs in accord with the NFEA, *MarineFisheries* will:

- *MarineFisheries* will (or will require the proponent to) interact with research institutions and other in developing research and monitoring objectives
- *MarineFisheries* will (or will require the proponent to)conduct compliance monitoring
- *MarineFisheries* will (or will require the proponent to) perform maintenance on artificial reef sites under its control, based upon an evaluation of the information obtained in its monitoring program
- *MarineFisheries* will establish guidelines for monitoring artificial reef stability. These guidelines will be developed on a case-by-case basis and include minimal annual frequency, duration, and other acceptable methods, criteria, and standards necessary to establish statistically valid conclusions
- *MarineFisheries* will establish guidelines for monitoring artificial reef structural integrity. These guidelines will be developed on a case-by-case basis and include minimal annual frequency, duration, and other acceptable methods, criteria, and standards necessary to establish statistically valid conclusions
- *MarineFisheries* will establish guidelines for monitoring artificial reef colonization. These guidelines will be developed on a case-by-case basis and include minimal annual frequency, duration, and other acceptable methods, criteria, and standards necessary to establish statistically valid conclusions
- *MarineFisheries* will establish guidelines for monitoring artificial reef aggregations. These guidelines will be developed on a case-by-case basis and include minimal annual frequency, duration, and other acceptable methods, criteria, and standards necessary to establish statistically valid conclusions

7.5 Management

The MARP recommends that *MarineFisheries* work towards the development of enforceable policies for the management of artificial reefs. Development may include establishing future policies for the management of artificial reefs in the EEZ, or for including the use of SMZ's. In order to manage the artificial reef program in accordance with the recommendations of this plan, *MarineFisheries* will adopt the following policies:

- *MarineFisheries* may oppose any proposed artificial reef development by another agency or entity whose goals and objectives for artificial reef development are contrary to the goals and objectives outlined in Section 1.4 of this Plan
- *MarineFisheries* will provide information to the public that exposes illegal reef building as a violation of law and highlights the potential harm to the resource from this activity

- *MarineFisheries* will research the need for legislation that outlaws destructive techniques on artificial reefs under its control
- *MarineFisheries* may(or may require the proponent to) site artificial reefs to reduce encounters with competing user groups
- *MarineFisheries* may adopt additional policies or propose legislation to manage artificial reef use on a case-by-case basis

7.6 Use

Conflicts associated with competing uses of public resources (i.e. fish species and fish habitat) exist in artificial reef development despite the best efforts of resource managers. In order to manage the use of artificial reefs in accordance with the recommendations of this plan, *MarineFisheries* will adopt the following policies:

- *MarineFisheries* will advise artificial reef users through public announcements that they may use a state artificial reef at their own risk
- *MarineFisheries* may provide outreach on reef use ethics and courtesy
- *MarineFisheries* may establish restrictions for specific reefs (i.e. no harvest reefs for divers) to designate access for certain user groups to the exclusion of others
- *MarineFisheries* may establish fisheries management measures – size/bag limits, gear restrictions or seasonal closures for artificial reefs in Commonwealth waters
- *MarineFisheries* may establish SMZ designations for reefs in Federal waters

7.7 Plan review

This Plan is written as a guide to be used in the planning and construction of artificial reefs in Massachusetts, and to act as a framework for future artificial reef regulations. As artificial reef technology advances, this Plan will be amended to reflect current knowledge. In order to provide the best available information, MarineFisheries will ensure the following:

- The MA Artificial Reef Plan will be reviewed every five (5) years and amended as appropriate
- *MarineFisheries* will prepare supplemental material when proposed changes to the Plan are required as a result of unforeseen potential environmental impacts which have not been adequately addressed. Such material will be made available for interagency and public review

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Appendix A. Acronyms and Glossary of Key Terms

ACEC	Area of Critical Environmental Concern
ACOE	Army Corps of Engineers
aggregate	(adj.) to gather into a mass or whole
angler	(n.) a fisherman using hook and line gear to catch fish
artificial reef	(n.) An area within the marine waters of the Commonwealth in which approved structures have intentionally been placed or constructed for the purpose of enhancing benthic relief. Structures may be designed to provide and/or improve opportunities for recreational and commercial fishing, aid in the management or enrichment of fishery resources, or to achieve a combination of these objectives
ASMFC	Atlantic States Marine Fisheries Commission. A compact of fifteen Atlantic Coast states created to promote better utilization of the fisheries of the Atlantic seaboard. The ASMFC develops management plans for the various fishery resources within state and federal waters
attraction	(n.) the force by which one object attracts another
BUAR	Board of Underwater Archeological Resources
benthic	(adj.) relating to the ocean bottom
CFR	Code of Federal Regulations
CMR	Code of Massachusetts Regulation
coast	(n.) land next to the sea; the seashore
coastal	(adj.) located on or near or bordering on a coast
compliance monitoring	Ongoing investigations conducted to determine if an artificial reef conforms to the constitutions mandated by permits
CWA	Clean Water Act
CVA	Clean Vessel Act
CZM	Coastal Zone Management
DGPS	Differentially corrected Global Positioning System - an electronic navigation device that operates off satellite signals
discharge of dredged material (ACOE definition)	any addition of dredged material into U.S. waters. The term includes, without limitation, the addition of dredged material to a specified discharge site located in U. S. waters and the runoff or overflow from a contained land or water disposal area. Discharges of pollutants into U. S. waters resulting from the onshore subsequent processing of dredged material that is extracted for any commercial use (other than fill) are not included within this term and are subject to section 402 of the Clean water Act even though the extraction and deposit of such material may require a DA permit. The term does not include

	plowing, cultivating, seeding and harvesting for the production of food, fiber, and forest products. The term does not include *de minimis*, incidental soil movement occurring during normal dredging operations
discharge of fill material (ACOE definition)	the addition of fill material into U. S. waters. The term does not include plowing, cultivating, seeding and harvesting for the production of food, fiber, and forest products. The term generally includes, without limitation, the following activities: a) placement of fill that is necessary for the construction of any structure in U. S. waters; b) building any structure or impoundment requiring rock, sand, dirt, or other material for construction; c) site-development fills for recreational, industrial, commercial, residential, and other uses; d) causeways or road fills; e) dams and dikes; f) artificial islands; g) property protection or reclamation devices such as riprap, groins, seawalls, breakwaters, revetments; h) beach nourishment; i) levees; j) artificial reefs; k) fill for structures such as sewage treatment facilities, intake and outfall pipes associated with power plants and subaqueous utility lines
DOC	Department of Commerce
DOD	Department of Defense
DOI	Department of the Interior
DOT	Department of Transportation
DPA	Designated Port Area
dredging (DEP definition)	the removal of materials including, but not limited to, rocks, bottom sediments, debris, sand, refuse, plant or animal matter in any excavating, cleaning, deepening, widening, or lengthening, either permanently or temporarily, of any fl owed tidelands, rivers, streams, ponds, or other waters of the commonwealth
EA	Environmental Assessment
EBP	Early Benthic Phase
EEZ	Exclusive Economic Zone
EFH	Essential Fish Habitat - areas of the marine environment essential for various life stages of federally managed fish and shellfish species
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EOEA	Massachusetts Executive Office of Environmental Affairs
EPA	United States Environmental Protection Agency
estuary	(n.) a semi-enclosed coastal body of water which has a free connection with the open sea
FAD	Fish Aggregating Device
fill (DEP definition)	(n.) any unconsolidated material that is confined or expected to remain in place in a waterway. This does not include: material placed by natural processes, material placed on a beach for beach nourishment purposes, and dredged material placed below the low water mark for purposes of subaqueous disposal.
FMC	Fishery Management Council
FMP	Fisheries Management Plan - developed by fisheries councils to manage and regulate specific fisheries
footprint	(n.) the area of sea floor covered by artificial reef structures
FONSI	Finding of No Significant Impact

FWCA	Fish and Wildlife Coordination Act
GIS	Geographic Information Systems
GOM	Gulf of Maine
GPS	Global Positioning System
GSMFC	Gulf States Marine Fisheries Commission
HAPC	Habitat Areas of Particular Concern
hard-substrate habitat	(n.) a firm, stable substrate, such as rock, or concrete, on the sea floor, which is commonly referred to as reef habitat
IFMC	Interstate Fisheries Management Council
IMFC	Interstate Marine Fisheries Commissions
intertidal	(adj.) the area between the high water and low water marks.
land under the ocean (DEP definition)	land extending from the mean low water line seaward to the boundary of the municipality's jurisdiction and includes land under estuaries.
MACZM	Massachusetts Office of Costal Zone Management
MADEM	Massachusetts Department of Environmental Management
MADEP	Massachusetts Department of Environmental Protection
MADFA	Massachusetts Department of Food and Agriculture
MARAD	Maritime Administration
MARP	Massachusetts Artificial Reef Plan
Massachusetts coastal zone (CZM definition)	the area bounded by the seaward limit of the state's territorial sea (generally 3 miles from shore) to 100 feet landward of specified major roads, railroads, or other visible right-of-way (generally the first major transportation corridor inland of the shoreline)
MEPA	Massachusetts Environmental Policy Act
MGL	Massachusetts General Law
MHW	Mean High Water
mitigation	(n.) actions taken to make the impact of other actions, conditions or occurrences less severe
MMS	Minerals Management Service (United States DOI)
monitor	(v.) to test, observe, or sample on an ongoing basis
MOU	Memorandum of Understanding
MPA	Marine Protected Area. An ocean sanctuary where fishing is prohibited
MPRSA	Marine Protection, Research, and Sanctuaries Act of 1972
MTA	Massachusetts Turnpike Authority
NARP	National Artificial Reef Plan
NDA	No Discharge Area
NEFMC	New England Fisheries Management Council
NFEA	National Fishing Enhancement Act of 1984
NEPA	National Environmental Policy Act
NHESP	National Heritage and Endangered Species Program
NMFS	National Marine Fisheries Service
NOI	Notice of Intent

NOAA	National Oceanic and Atmospheric Administration
NOS	National Ocean Service
NPDES	National Pollutant Discharge Elimination System
OCS	Outer Continental Shelf
OCSLA	Outer Continental Shelf Lands Act
outstanding resource water (DEP definition)	used to denote those waters, other than Public Water Supplies, designated for protection as Outstanding Resource Waters under 314 CMR 4.04. These waters constitute an outstanding resource as determined by their outstanding socio-economic, recreational, ecological and/or aesthetic values. The quality of these waters shall be protected and maintained
patch reef	(n.) a several-square yard to several-acre reef constructed by either placing a single structure, such as a ship, or a barge load of material on the sea floor
performance monitoring	Investigations conducted to determine if a reef meets the biological and socio-economic goals of the program
PGP	Massachusetts Programmatic General Permit
production	(n.) the act of creating something within a given period of time
profile	(n.) the height or relief of a reef structure above the sea floor
reef site	(n.) a large area of the sea floor that is permitted by the ACOE to a permittee for the purpose of building reefs
reef unit	(n.) a single, fabricated reef structure, such as a concrete-ballasted tire unit or a reef ball
REEFEX	The creation of artificial reefs by sinking ex-Navy vessels
SAV	Submerged Aquatic Vegetation
SMZ	a designation for a reef site granted to a reef permittee by a federal fisheries management council to restrict specified types of fishing gear on that reef site
Special aquatic site (ACOE definition)	includes wetlands and salt marshes, mudflats, riffles and pools, and vegetated shallows
structure (DEP definition)	(n.) any man-made object which is intended to remain in place in, on, over, or under tidelands, great ponds, or other waterways. Structures do not include any mooring, float or raft which has been authorized by annual permit of the local harbormaster
UMD	University of Massachusetts at Dartmouth
uplands	non-wetlands
USCG	United States Coast Guard
USGS	United States Geological Survey
water-dependent uses (DEP definition)	uses and facilities which require direct access to, or location in, waterways and therefore cannot be located inland, including but not limited to: marinas, recreational uses, navigational and commercial fishing and boating facilities, water-based recreational uses, navigation aids, basins, and channels.
wetland (DEP definition)	(1) any bank, freshwater wetland, coastal wetland, beach, dune, tidal flat, marsh or swamp bordering on the ocean, any estuary, creek, river, stream, pond, lake, or certified vernal pool. (2) land under any of the water bodies listed. (3) land subject to tidal action, coastal storm flowage, or flooding. (4) riverfront areas in the Commonwealth of Massachusetts
WPA	Wetlands Protection Act

Appendix B. Permit Guidance

Note: Information contained in this section was selected from the *Massachusetts Aquaculture Permits Guidance Document* (MADFA 1998) compiled by the Massachusetts Department of Food and Agriculture, and modified, where necessary to correspond to permitting requirements for artificial reefs in Massachusetts. A complete description of all permitting requirements can be found in the *Environmental Permitting in Massachusetts Guide*, (MACZM 2003).

Permit Guidance

DISCHARGE

If question is applicable to your project please refer to the corresponding permit.

1. Will your activity involve the discharge of dredge or fill material into the waters of the U.S., including wetlands?
   Surface Water Discharge Permit

2. Do you plan to r discharge dredge or fill material into any waterway or wetland? ***Programmatic General Permit or Individual Permit (IP)***

	Surface Water Discharge Permit	**Programmatic General Permit(PGP) / IP**
Issuing Agency:	Dept. of Environmental Protection Division of Watershed Management 627 Main Street Worcester, MA 01608 (508) 792-7470	U.S. Army Corps of Engineers 696 Virginia Road Concord, MA 01742 (978) 318-8491
Statutory	Clean Water Act	Section 401-CWA Water Quality; Section 404 CWA
Reference:		33 CFR Part 320
Activities Covered:	Surface water discharge. Surface waters include rivers, streams, seaward lakes, ponds, springs, wetlands, downward impoundments, estuaries and coastal waters.	Discharge of dredge or fill materials in waters of the U.S.; including waters seaward of the High Tide Line (HTL), streams from ordinary high water, and all wetland impacts. Wetland impacts fewer than 5,000 sq. ft. are permitted under the MA PGP, but must still meet the conditions. Water Quality Certificate or Order of Conditions may also be required. Impacts between 5,000-1 acre require a written authorization and consultation with NMFS, EPA and USFWS.
Process:	Application kit for water pollution and surface water discharge. Applicant must apply to MADEP as well as file the appropriate Federal NPDES permit application forms to the United States EPA.	Applicants must inform the Historic Preservation Officer of their intent by submitting a copy of the application materials to the Massachusetts Historical Commission (phone: 617-727-8470). An application and an 8.5" x 11" plan view of the entire property and project limits with existing and proposed conditions (i.e. a navigational chart) should be forwarded to the ACOE. The proposal should include the amount, type and source of fill material to be discharged.
Fees:	$500-$1,600	No fee for PGP. Up to $100 for IP.
Other Information:	USEPA - One Congress St. Suite 1100 Boston, MA 02114 - 2023	

STRUCTURE

If question is applicable to your activity please refer to all corresponding permit(s).

1. Will your facility have structures within 200 feet of water or filled tide lands or on land under water?
   Waterways License - BRPWW02

2. Will your facility have any structures, dredging, or other work seaward of the MHW? ***ACOE Permit; PGP or Individual Permits***

3. Will your project operate within the Massachusetts coastal zone and/or require Federal action (e.g. permits, licensing, grants, etc.)?
   Federal Consistency Determination – CZM Consistency *(next page)*

4. Will your activity alter any inland (including riverfront protection area) or coastal wetland resource areas?
   Wetlands Permit – Wetlands Protection Act *(next page)*

	Waterways License, BRPWW02	**ACOE Permit; PGP or Individual Permits**
Statutory Reference:	MGL Ch. 91	Section 10 of the Rivers and Harbors Act 1899
Regulatory Reference:		33 CFR Part 320
Activities Covered:	Structures within 200 feet of water; filled tide lands	Structures placed seaward of MHW or work in navigable waters including dredging.
Process:	Order of Conditions as determined by local Conservation Commission of public interest factors, including a 30 day public comment period announced in a newspaper. Approval by local Planning Board, MEPA if applicable.	The ACOE will review with consideration to obstructions to navigation and other public interest factors, and compliance with other Federal laws such as the Endangered Species Act and National Historic Preservation Act.
Fees:	Dependent on project type	$0-$100
Other Information:	Copy of NOI needed. Copy of application form to Conservation Commission and accompanying transmittal fees to be determined at time of application. Copy of public notice of Order of Conditions. May require review under MEPA (301CMR 11.04 (9)	Conditions and restrictions on the permit may result from consultation with resource agencies: NMFS, EPA and USFWS.

	Federal Consistency Determination-CZM Consistency	Wetlands Permit Wetlands Protection Act
Issuing Agency:	Executive Office of Environmental Affairs Coastal Zone Management Office 100 Cambridge Street (617) 727-9530	Local Conservation Commission or MADEP-Office of Watershed Management Wetlands Program One Winter Street Boston, MA 02018 (617) 292-5695
Statutory Reference	G.L. C. 21 A, ss.4A	MGL Ch. 131 Sec. 40
Regulatory Reference	301 CMR 21.00	310 CMR 10.00
Activities Covered:	Any activity that may affect the land and water resources of Massachusetts; including riverfront areas i.e., within 200 ft of riverfront. 2) Requires a federal license or permit, or is federally funded or a direct activity of a federal agency; 3) Is generally above the thresholds established by the MEPA.	All activity in or near any resource areas
Process:	There are no specific application forms. A letter requesting an initiation of CZM consistency should be submitted at the beginning of the process. The process will not be completed until all state and federal permits have been issued.	Local Conservation Commission review, approval or rejection, appeals heard by MADEP documents to CZM; this is triggered through a determination by a federal agency or through a MEPA review process. The application requirements and review timetables vary depending on project type, but always require a federal consistency certification letter describing project impact on the CZM's enforceable policies and copies of relevant permits and approvals. Upon request, the CZM office will make a determination of the CZM's jurisdiction over specific activities. Once application materials are complete, CZM publishes a public notice of the project in the Environmental Monitor to initiate a 21 day public comment period, CZM has varying amounts of time to review application.
Fees:	None	
Other Information:	Project Review coordinator / Consistency contact - Office of Coastal Zone Management, 251 Causeway St. Suite 800 Boston, MA 02114-2136 (617) 626-1219	Filing fee dependent on project. Examples of artificial reef projects that require a consistency determination include: ACOE or EPA NPDES permits and/or are supported (in whole or part) by federal grants or loans i.e., Saltonstall-Kennedy Grants or Economic Agency Fisheries Assistance Grants.

WATER SOURCE

1. Will your facility be located in an Area of Critical Environmental Concern (ACEC), a Rare Species Habitat, or exceed MEPA review thresholds ?
   MEPA Environmental Notification form

	MEPA Environmental Notification Form
Issuing Agency:	MA Environ. Policy Act Office 100 Cambridge Street, Suite 900 Boston, MA 02202 (617) 626-1020
Statutory Reference:	MEPA MGL Ch. 30, Secs. 61 and 62
Regulatory Reference:	301 CMR 11.00
Activities Covered:	1) Any activity in an ACEC requiring a state permit or funding, 2) Activities requiring state permits or funding that exceed the review thresholds at 301 CMR 11.03 and 11.04. 3) Activities that exceed the thresholds are covered under CZM consistency review (see301 CMR 11.03 and 11.04 below).
Process:	An Environmental Notification Form is filed with the MEPA office and a public notice is published. Following a 30 day public comment and review process, an EIR is prepared addressing the alternatives and comments received from the ENF review.
Fees:	None
Other Information:	This review is not actually a permit however, it is a review process which must be completed successfully before State agencies can issue any permits.