RELEASE ABATEMENT MEASURE PLAN

Greenwood Street and Ruggles Street Buildings Demolition Activity

101, 102, and 111 Greenwood Street, and 98, 108, and 118 Ruggles Street
New Bedford, Massachusetts
Release Tracking Number 4-15685

Prepared for:

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

Prepared by:

TRC Environmental Corporation
Wannalancit Mills
650 Suffolk Street
Lowell, Massachusetts 01854
(978) 970-5600

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TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

1.0 INTRODUCTION

On behalf of the City of New Bedford, Massachusetts (the "City"), TRC Environmental Corporation (TRC) has prepared this Release Abatement Measure (RAM) Plan in accordance with 310 CMR 40.0440 of the Massachusetts Contingency Plan (MCP). The purpose of this RAM Plan is to outline the anticipated construction activities (demolition of dwellings at six properties) that will be undertaken by the City at the 101, 102, and 111 Greenwood Street, and 98, 108, and 118 Ruggles Street (hereinafter "Acquired Residential Properties") portion of the Site located on the eastern end of Greenwood and Ruggles Streets near or at the intersection of Hathaway Boulevard in New Bedford, Massachusetts. The construction activities are anticipated to include the installation of a perimeter fence, excavation and immediate replacement of soils to allow for the disconnection of underground dwelling utilities, demolition of the dwelling structures and disposal of the dwelling debris, demolition of the concrete foundations to two feet below ground surface and off-site disposal of the concrete, breaking the basement slabs to enable drainage, and backfilling of the basement space with suitable off-site material and establishment of grass cover. One of the objectives of this RAM Plan is to describe measures that will be taken to minimize soil disturbance to the extent practicable and mitigate potential fugitive dust generation. The City does not plan to remove any soil from the Acquired Residential Properties at this time.

Prior to initiating the aforementioned activities, the City will perform abatement work not covered under this plan to remove hazardous materials identified within the structures including asbestos containing materials, miscellaneous containers of fluids, mercury thermostats, and other household items or items associated with the materials of construction.

The applicable Massachusetts Department of Environmental Protection (MassDEP) Release Tracking Number (RTN) is 4-15685, which is assigned to the Parker Street Waste Site (PSWS). This RAM Plan has been prepared to guide soil management activities associated with the aforementioned construction/demolition activities.

1.1 Work Summary

Work to be performed under this RAM includes:

- Installation of a perimeter fence
- Excavation and immediate replacement of soil during the disconnection of site underground utilities;
- Demolition of dwelling structures and off-site disposal of dwelling debris;
- Demolition of the concrete foundations to a depth of two feet below ground surface and off-site disposal at an appropriate receiving facility;
- Breaking up the basement slab:
- Backfilling of basement space with appropriately documented contaminant-free fill material screened in advance for the presence of regulated contaminants;
- As needed sampling and analysis of surficial soil materials; and

- Temporary concrete and soil stockpiling and stockpile management (or equivalent use of roll-offs).

The remaining sections of this RAM Plan document include information pertaining to the following:

- Party assuming responsibility for the RAM (Section 2);
- Release description, site conditions and surrounding receptors (Section 3);
- Objective, plan and implementation schedule of the RAM (Section 4);
- Information pertaining to remediation waste management (Section 5);
- Environmental monitoring (Section 6);
- Federal, State, and Local permits (Section 7);
- Seal and signature of the Licensed Site Professional (Section 8);
- Certification of financial resources (Section 9);
- Relevant information (Section 10); and
- References (Section 11).

Supporting appendices include soil boring logs (Appendix A), RAM fee documentation (Appendix B), municipal notification letters (Appendix C), and the Soil Management Plan (Appendix D).

1.2 Regulatory Status

1.2.1 Release Reporting

The RTN that affects the proposed demolition activities at the Acquired Residential Properties portion of the Site is RTN 4-15685. MCP RTN 4-15685 is associated with contaminated fill associated with the Parker Street Waste Site (PSWS). Special Project status has been established for RTN 4-15685.

2.0 PARTY ASSUMING RESPONSIBILITY FOR THE RAM

The party undertaking this RAM is:

City of New Bedford
133 William Street
New Bedford, MA 02740
Contact: Mr. Scott Alfonse
(508) 979-1487

3.0 RELEASE DESCRIPTION, SITE CONDITIONS & SURROUNDING RECEPTORS

3.1 Site Description

The Acquired Residential Properties portion of the Site (the "Site), is located on the eastern end of Greenwood and Ruggles Streets near or at the intersection of Hathaway Boulevard in New Bedford, Massachusetts (Figure 1). The Site is bordered to the north by a vacant lot, to the east by a New Bedford High School (NBHS) parking lot, to the south by a church and residential properties, and to the west by residential properties.

The Site currently consists of unoccupied former single family dwellings. The Site is relatively level with a gentle slope up to the west on some lots. Historically the Site consisted of open space, which was variously filled by ash-laden waste materials sometime prior to development as housing. A Site location map is provided as Figure 1.

3.2 Surrounding Receptors

The Site lies within 500 feet of NBHS, residential dwellings, a church, the Keith Middle School (KMS), the Varsity Baseball Diamond portion of Dr. Paul F. Walsh Field (Walsh Field), and the construction site for athletic fields at the location of the former Keith Junior High School (KJHS).

Groundwater categories at the Site include actual or potential GW-2, depending upon proximity to occupied structures. Groundwater is encountered at approximately 5 feet below ground surface based on recent groundwater monitoring well installations at Walsh Field by TRC and deeper in other PSWS locations, and GW-3, which applies to all groundwater throughout the Commonwealth. However, groundwater impacts from contaminants associated with the Site are not expected based on the laboratory results of groundwater samples taken from groundwater monitoring wells located at the NBHS portion of the site in August and September 2008, and routine groundwater monitoring at the KMS.

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

The Site is not located in a wetland resource area. No other documented sensitive ecological receptor areas (e.g., Areas of Critical Environmental Concern [ACECs]) are known to be located at or near the site. No municipal or residential wells are known to be in the area.

3.3 Release Description

As described previously, MassDEP tracks the release at the Site under RTN 4-15685 that is associated with historical fill related to the PSWS.

3.3.1 Acquired Residential Properties Investigation History

In December 2005 through June 2006, The Beta Group, Incorporated (BETA) of Norwood, Massachusetts conducted subsurface investigations at the Acquired Residential Properties portion of the Site to evaluate the presence of soil contamination. Soil samples collected by BETA were analyzed for polychlorinated biphenyls (PCBs), Resource Conservation and Recovery Act (RCRA) 8 metals, polyaromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), and Total Petroleum Hydrocarbons (TPH). Several of the samples indicated individual detections of contaminants that exceeded their applicable MCP Method 1 S-1 Soil Standards. A summary of the data collected by BETA from the residential area was submitted in the following BETA reports:

- *Summary of Analytical Data, Volume I of II, Properties Located on: Greenwood Street, Ruggles Street, Durfee Street, New Bedford, Massachusetts,* dated March 15, 2006;
- *Summary of Analytical Data, Volume II of II, Properties Located on: Greenwood Street, Ruggles Street, Durfee Street, New Bedford, Massachusetts,* dated March 15, 2006;
- *Summary of Analytical Data, 98 Ruggles Street, New Bedford, Massachusetts,* dated September 14, 2006; and
- *Summary of Analytical Data, 102 Greenwood Street, New Bedford, Massachusetts,* dated September 14, 2006

TRC conducted additional soil testing in June 2008 at 102 Greenwood Street. The objective of TRC's additional soil testing was to address data gaps in the delineation of the contamination from the former PSWS at 102 Greenwood Street. TRC's additional soil testing work was conducted with the concurrence of the City.

TRC's environmental investigation at 102 Greenwood Street consisted of direct push soil borings using a track-mounted drill rig or a dolly-mounted direct push machine to sample soil and to observe subsurface soil conditions. Soil borings completed in the basement and garage were completed using a hammer drill. Drilling services and equipment were provided by New England Geotech, LLC (New England Geotech) of Jamestown, Rhode Island. TRC contracted New England Geotech to perform drilling activities at the Site under TRC field supervision. The borings were advanced using Geoprobe® direct push methods. The samples were visually examined in the field for evidence of contamination and field screened using the MassDEP jar headspace methodology and a photoionization detector (PID). Samples were collected from each boring at various depths to delineate the extent of contamination. The investigative approach was intended to evaluate the presence or absence of fill, the vertical extent of contamination, and the potential presence of contaminants of concern in soil and fill material that may be present based on documentation available to TRC and past sampling in the area.

Borings conducted in the exterior of the 102 Greenwood Street property were advanced and samples were collected until native overburden was encountered unless refusal was encountered first. Where native material was submitted for laboratory analysis, two samples of native material were typically collected in borings selected to characterize the native horizon. The lower native sample was retained for analysis contingent upon the results of the upper native

horizon analysis in an attempt to delineate the vertical extent of contamination exceeding applicable standards, if present. The contingent native material was not analyzed if the native material interval above it was found to be uncontaminated (below cleanup criteria) based on laboratory analysis or as directed by the TRC Licensed Site Professional (LSP).

Subslab borings conducted on 102 Greenwood Street by TRC relied on smaller tools and equipment and were conducted to evaluate the potential presence of subslab contamination. Soil samples collected were analyzed for PCBs, MCP metals, and PAHs. Several of the samples indicated individual detections of contaminants that exceeded their applicable MCP Method 1 S-1 Soil Standards. A summary of the data was submitted in TRC's *Data Summary Report, 102 Greenwood Street, New Bedford, Massachusetts* dated July 2008.

3.3.2 Description of Analytical Results by Property

3.3.2.1 101 Greenwood Street Soil Results

For soil samples taken from the 101 Greenwood Street Property, the laboratory results did not indicate the detection of any contaminants at concentrations that exceed the applicable MCP Method 1 soil cleanup standards with the exception five PAHs [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene], five metals (arsenic, barium, cadmium, chromium, and lead), PCBs and TPH. A summary of the 101 Greenwood Street soil analytical results for detected contaminants only is included in Table 1, and an Analytical Results Summary Map is included in Figure 2.

101 Greenwood Street Soil PAH Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of any PAHs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the exception of benzo(a)pyrene at sampling locations 101 Comp 2 (3.8 mg/kg) and 101 Comp 4 (4.2 mg/kg).

For soil samples taken in the greater than 3 foot below ground surface horizon, the analytical results did not indicate the detection of any PAHs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exceptions:

- benzo(a)anthracene at sampling locations 101 Comp 4 (9.3 mg/kg at 6 feet-native), and 101 Comp 5 (67 mg/kg at 6 feet-native).
- benzo(a)pyrene at sampling locations 101 Comp 4 (9.7 mg/kg at 6 feet-native), and 101 Comp 5 (4.1 mg/kg at 3-6 feet, and 69 mg/kg at 6 feet-native).
- benzo(b)fluoranthene at sampling locations 101 Comp 4 (9.9 mg/kg at 6 feet-native), and 101 Comp 5 (64 mg/kg at 6 feet-native).
- dibenz(a,h)anthracene at sampling locations 101 Comp 4 (1.2 mg/kg at 6 feet-native), and 101 Comp 5 (8.9 mg/kg at 6 feet-native).

- indeno(1,2,3-cd)pyrene at sampling location 101 Comp 5 (35 mg/kg at 6 feet-native).

101 Greenwood Street Soil Metals Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of any metals at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exceptions:

- cadmium at sampling locations 101 Comp 1 (2.23 mg/kg), 101 Comp 3 (2.05 mg/kg), 101 Comp 4 (2.66 mg/kg), and 101 Comp 5 (3.27 mg/kg).

- lead at sampling locations 101 Comp 1 (496 mg/kg), 101 Comp 2 (346 mg/kg), 101 Comp 3 (1,020 mg/kg), 101 Comp 4 (553 mg/kg), and 101 Comp 5 (575 mg/kg).

For soil samples taken in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of any metals at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exceptions:

- arsenic at sampling location 101 Comp 2 (25 mg/kg at 3-6 feet).

- cadmium at sampling locations 101 Comp 1 (2.5 mg/kg at 3-6 feet, 24 mg/kg at 6 feet-native), 101 Comp 2 (15 mg/kg at 3-6 feet, 224 mg/kg at 6 feet-native), 101 Comp 3 (113 mg/kg at 3-6 feet, 40 mg/kg at 6 feet-native), 101 Comp 4 (7.47 mg/kg at 3-6 feet), and 101 Comp 5 (2.78 mg/kg at 3-6 feet, 5.43 mg/kg at 6 feet-native).

- chromium at sampling locations 101 Comp 1 (441 mg/kg at 6 feet-native), 101 Comp 3 (33 mg/kg at 3-6 feet), and 101 Comp 5 (31 mg/kg at 3-6 feet).

- lead at sampling locations 101 Comp 1 (1,240 mg/kg at 3-6 feet, 454 mg/kg at 6 feet-native), 101 Comp 2 (1,520 mg/kg at 3-6 feet, 2,070 mg/kg at 6 feet-native), 101 Comp 3 (6,780 mg/kg at 3-6 feet, 1,390 mg/kg at 6 feet-native), 101 Comp 4 (1,040 mg/kg at 3-6 feet), and 101 Comp 5 (1,150 mg/kg at 3-6 feet, 2,790 mg/kg at 6 feet-native).

101 Greenwood Street Soil PCB Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of total PCBs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards with the exception of sampling locations D.5-2 (2.8 mg/kg), D.5-3 (5.78 mg/kg), D.5-4 (11.22 mg/kg), E.5-2 (29.6 mg/kg), E.5-3(3.44 mg/kg), E.5-4 (6.01 mg/kg), E.5-5 (6.87 mg/kg), E1 (2.67 mg/kg), F2 (5.75 mg/kg), G2 (10.4 mg/kg), G5 (3.59 mg/kg), H4 (4.56 mg/kg), H5 (3.09 mg/kg)..

For soil samples taken in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of total PCBs at concentrations exceeding the applicable

MCP Method 1 soil cleanup standards with the exception of sampling locations D.5-3 (4.5 mg/kg at 3-6 feet, 6 mg/kg at 6-9 feet), D.5-5 (4.2 mg/kg at 3-6 feet), E.5-5 (2.40 mg/kg at 6-8.5 feet), F2 (5.12 mg/kg at 6-8 feet), G2 (23.3 mg/kg at 3-6 feet), H2 (976 mg/kg at 3-6 feet, 3.7 mg/kg at 6-8.5 feet), H3 (2.39 mg/kg at 3-6 feet, 15.4 mg/kg at 6-9 feet), and H4 (3.03 mg/kg at 3-6 feet).

101 Greenwood Street Soil TPH Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of TPH at concentrations exceeding the applicable MCP Method 1 cleanup standards.

For soil samples taken in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of TPH at concentrations exceeding the applicable MCP Method 1 cleanup standards with the exception of sampling location 101 Comp 5 (Diesel Range Organics at 3,610 mg/kg at 6 feet-native).

101 Greenwood Street Soil Dibenzofuran Results

For the two soil samples that were analyzed for dibenzofuran, the analytical results did not indicate the detection of dibenzofuran at concentrations exceeding laboratory reporting limit. The depth the samples were taken at was unavailable in BETA's report.

101 Greenwood Street Soil VOC Results

For soil samples taken in the 0 to 3 foot below ground surface horizon and the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of VOCs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards.

3.3.2.2 102 Greenwood Street Soil Results

For soil samples taken from the 102 Greenwood Street Property, the laboratory results did not indicate the detection of any contaminants at concentrations that exceed the applicable MCP Method 1 soil cleanup standards with the exception PCBs, and five metals (arsenic, cadmium, chromium, lead, and nickel). A summary of the 102 Greenwood Street soil analytical results for detected contaminants only is included in Table 2, and an Analytical Results Summary Map is included in Figure 3. A copy of TRC's boring logs is included in Appendix A.

102 Greenwood Street Soil PAH Results

For soil samples taken in the 0 to 3 foot below ground surface horizon and the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of any PAHs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards

102 Greenwood Street Soil Metals Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of any metals at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exception of lead at sampling location SB-194 (1,030 mg/kg).

For soil samples taken in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of any metals at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exceptions:

- arsenic at subslab sampling location SB-187 (32.0 mg/kg at 6 feet-native) and exterior location SB-188 (22.8 mg/kg at 4.5 feet).
- cadmium at subslab sampling locations SB-185 (6.49 mg/kg at 6 feet-native) and SB-187 (2.44 mg/kg at 6 feet-native), and exterior location SB-194 (2.55 mg/kg at 4 feet).
- chromium at subslab sampling location SB-187 (41.9 mg/kg at 6 feet-native), and exterior location SB-190 (122 mg/kg at 4 feet).
- lead at subslab sampling locations SB-185 (673 mg/kg at 6 feet-native) and SB-187 (846 mg/kg at 6 feet-native), and exterior locations SB-188 (801 mg/kg at 4.5 feet), SB-190 (1,510 mg/kg at 4 feet), SB-194 (559 mg/kg at 4 feet), and SB-195 (982 mg/kg at 7.5 feet).
- nickel at subslab sampling locations SB-185 (24.9 mg/kg at 6 feet-native) and SB-187 (33.6 mg/kg at 6 feet-native), and exterior locations SB-188 (30.8 mg/kg at 4.5 feet), SB-190 (25.5 mg/kg at 4 feet), and SB-194 (33.8 mg/kg at 4 feet).

102 Greenwood Street Soil PCB Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of total PCBs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards with the exception of subslab sampling location SB-185 (68.3 mg/kg), SB-194 (3.02 mg/kg) and exterior location SB-195 (2.45 mg/kg).

For soil samples taken in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of total PCBs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards with the exception of sampling locations K.1-3 (5.35 mg/kg at 7-8.5 feet), M.1-3 (12.4 mg/kg at 7.5-8 feet), exterior locations SB-185 (45.7 mg/kg at 4 feet, 10.7 mg/kg at 6 feet-native) and SB-187 (5.88 mg/kg at 6 feet-native), and exterior locations SB-194 (26.6 mg/kg at 4 feet) and SB-195 (4.34 mgt/kg at 7.5 feet).

102 Greenwood Street Soil Dibenzofuran Results

For the soil sample (102 Comp 1) taken in the 0 to 3 foot below ground surface horizon and the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of dibenzofuran at concentrations exceeding laboratory reporting limit.

3.3.2.3 111 Greenwood Street Soil Results

For soil samples taken from the 111 Greenwood Street Property, the laboratory results did not indicate the detection of any contaminants at concentrations that exceed the applicable MCP Method 1 soil cleanup standards with the exception two PAHs [benzo(a)pyrene, and dibenz(a,h)anthracene], and five metals (arsenic, barium, cadmium, chromium, and lead). A summary of the 111 Greenwood Street soil analytical results for detected contaminants only is included in Table 3, and an Analytical Results Summary Map is included in Figure 4.

111 Greenwood Street Soil PAH Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of any PAHs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards.

For soil samples taken in the greater than 3 foot below ground surface horizon, the analytical results did not indicate the detection of any PAHs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exceptions:

- benzo(a)pyrene at sampling location 111 Comp 4 (5.4 mg/kg at 6 feet-native).
- dibenz(a,h)anthracene at sampling location 111 Comp 4 (0.75 mg/kg at 6 feet-native).

111 Greenwood Street Soil Metals Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of any metals at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exceptions:

- barium at sampling location 111 Comp 3 (1,070 mg/kg).
- chromium at sampling location 111 Comp 3 (37 mg/kg).
- lead at sampling locations 111 Comp 1 (314 mg/kg), 111 Comp 2 (822 mg/kg), and 111 Greenwood Front Comp (368 mg/kg).

For soil samples taken in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of any metals at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exceptions:

- arsenic at sampling location 111 Comp 1 (25 mg/kg at 3-6 feet).

- cadmium at sampling locations 111 Comp 1 (2.89 mg/kg at 3-6 feet), 111 Comp 2 (6.06 mg/kg at 3-6 feet), 111 Comp 4 (2.47 mg/kg at 6 feet-native), and 111 Comp 6 (3.9 mg/kg at 3-6 feet).

- chromium at sampling location 111 Comp 2 (31 mg/kg at 3-6 feet).

- lead at sampling locations 111 Comp 1 (670 mg/kg at 3-6 feet, 342 mg/kg at 6 feet-native), 111 Comp 2 (849 mg/kg at 3-6 feet), 111 Comp 3 (1,510 mg/kg at 3-6 feet), 111 Comp 4 (320 mg/kg at 6 feet-native), 111 Comp 5 (377 mg/kg at 3-6 feet, 455 mg/kg at 6 feet-native), and 111 Comp 6 (781 mg/kg at 3-6 feet).

111 Greenwood Street Soil PCB Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, and in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of total PCBs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards.

111 Greenwood Street Soil TPH Results

For soil samples taken in the 0 to 3 foot below ground surface horizon and in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of TPH at concentrations exceeding the applicable MCP Method 1 cleanup standards.

111 Greenwood Street Soil Dibenzofuran Results

For the two soil samples that were analyzed for dibenzofuran, the analytical results did not indicate the detection of dibenzofuran at concentrations exceeding laboratory reporting limit. The depth the samples were taken at was unavailable in BETA's report.

111 Greenwood Street Soil VOC Results

For soil samples taken in the 0 to 3 foot below ground surface horizon and the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of VOCs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards.

3.3.2.4 98 Ruggles Street Soil Results

For soil samples taken from the 98 Ruggles Street Property, the laboratory results did not indicate the detection of any contaminants at concentrations that exceed the applicable MCP Method 1 soil cleanup standards with the exception three PAHs [benzo(a)pyrene, benzo(b)fluoranthene, and dibenz(a,h)anthracene], PCBs, and four metals (arsenic, cadmium, chromium, and lead). A summary of the 98 Ruggles Street soil analytical results for detected

contaminants only is included in Table 4, and an Analytical Results Summary Map is included in Figure 5.

98 Ruggles Street Soil PAH Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of any PAHs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards.

For soil samples taken in the greater than 3 foot below ground surface horizon, the analytical results did not indicate the detection of any PAHs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exceptions:

- benzo(a)pyrene at sampling locations 98 Comp 1 (5.3 mg/kg at 3-6 feet, 3.2 at 6-native), and 98 Comp 3 (6.1 mg/kg at 3-6 feet).
- benzo(b)fluoranthene at sampling locations 98 Comp 1 (7.1 mg/kg at 3-6 feet), and 98 Comp 3 (9 mg/kg at 3-6 feet).
- dibenz(a,h)anthracene at sampling location 98 Comp 3 (0.88 mg/kg at 3-6 feet).

98 Ruggles Street Soil Metals Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of any metals at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exceptions:

- arsenic at sampling location 98 Comp 2 (34 mg/kg).
- cadmium at sampling location 98 Comp 2 (5.24 mg/kg).
- chromium at sampling location 98 Comp 2 (60 mg/kg).
- lead at sampling locations 98 Comp 1 (404 mg/kg), and 98 Comp 2 (646 mg/kg).

For soil samples taken in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of any metals at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exceptions:

- arsenic at sampling location 98 Comp 1 (22 mg/kg at 3-6 feet, 23 mg/kg at 6 feet-native).
- cadmium at sampling locations 98 Comp 1 (6.67 mg/kg at 3-6 feet, 4.47 mg/kg at 6 feet-native), 98 Comp 2 (2.95 mg/kg at 3-6 feet. 5.13 mg/kg at 6 feet-native), and 98 Comp 3 (3.52 mg/kg at 3-6 feet).

- chromium at sampling location 98 Comp 1 (31 mg/kg at 3-6 feet, 54 mg/kg at 6 feet-native).

- lead at sampling locations 98 Comp 1 (566 mg/kg at 3-6 feet, 2,460 mg/kg at 6 feet-native), 98 Comp 2 (857 mg/kg at 3-6 feet, 1,190 mg/kg at 6 feet-native), and 98 Comp 3 (1,990 mg/kg at 3-6 feet).

98 Ruggles Street Soil PCB Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of total PCBs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the exception of sampling locations A4 (4.28 mg/kg), B5.75 (3.03 mg/kg), and D5.25 (4.07 mg/kg).

For soil samples taken in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of total PCBs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the exception of sampling locations A3 (13.3 mg/kg at 7-10 feet), K1.3 (5.15 mg/kg at 7.5-8 feet), and M1.3 (12.4 mg/kg at 7.5-8 feet).

98 Ruggles Street Soil Dibenzofuran Results

For soil samples taken in the 0-3 foot below ground surface horizon and the greater than 3 feet horizon, the analytical results did not indicate the detection of dibenzofuran at concentrations exceeding the applicable MCP Method 1 soil cleanup standards.

3.3.2.5 108 Ruggles Street Soil Results

For soil samples taken from the 108 Ruggles Street Property, the laboratory results did not indicate the detection of any contaminants at concentrations that exceed the applicable MCP Method 1 soil cleanup standards with the exception four PAHs [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenz(a,h)anthracene], PCBs, and five metals (arsenic, cadmium, chromium, lead, and mercury). A summary of the 108 Ruggles Street soil analytical results for detected contaminants only is included in Table 5, and an Analytical Results Summary Map is included in Figure 6.

108 Ruggles Street Soil PAH Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of any PAHs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the exception of sampling location 108 Comp 2 [benzo(a)anthracene at 7.3 mg/kg, and benzo(a)pyrene at 3.7 mg/kg].

For soil samples taken in the greater than 3 foot below ground surface horizon, the analytical results did not indicate the detection of any PAHs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exceptions:

- benzo(a)anthracene at sampling locations 108 Comp 1 (12 mg/kg at 3-6 feet), and 108 Comp 5 (7.6 mg/kg at 3-6 feet).

- benzo(a)pyrene at sampling location 108 Comp 1 (6.9 mg/kg at 3-6 feet), and 108 Comp 5 (7 mg/kg at 3-6 feet).

- benzo(b)fluoranthene at sampling locations 108 Comp 1 (9.4 mg/kg at 3-6 feet), and 108 Comp 5 (9.4 mg/kg at 3-6 feet).

- dibenz(a,h)anthracene at sampling location 108 Comp 1 (0.9 mg/kg at 3-6 feet).

108 Ruggles Street Soil Metals Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of any metals at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the exception of lead at sampling locations 108 Comp 1 (316 mg/kg), 108 Comp 2 (395 mg/kg), 108 Comp 3 (415 mg/kg), and 108 Comp 5 (569 mg/kg).

For soil samples taken in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of any metals at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exceptions:

- arsenic at sampling locations 108 Comp 2 (57.8 mg/kg at 6 feet-native), 108 Comp 4 (22 mg/kg at 6 feet-native), and 108 Comp 5 (31 mg/kg at 3-6 feet).

- cadmium at sampling locations 108 Comp 1 (6.28 mg/kg at 6 feet-native), 108 Comp 2 (8.95 mg/kg at 6 feet-native), 108 Comp 3 (2.9 mg/kg at 6 feet-native),108 Comp 4 (3.77 mg/kg at 6 feet to native), and 108 Comp 5 (6.6 mg/kg at 3-6 feet, 4.25 mg/kg at 6 feet-native).

- chromium at sampling location 108 Comp 5 (181 mg/kg at 3-6 feet, 62 mg/kg at 6 feet-native).

- lead at sampling locations 108 Comp 1 (408 mg/kg at 6 feet-native), 108 Comp 2 (424 mg/kg at 3-6 feet, 3,690 mg/kg at 6 feet-native), 108 Comp 3 (745 mg/kg at 3-6 feet, 439 mg/kg at 6 feet-native), 108 Comp 4 (309 mg/kg at 3-6 feet, 606 mg/kg at 6 feet-native), and 108 Comp 5 (1,480 mg/kg at 3-6 feet, 1,960 mg/kg at 6 feet-native).

- mercury at sampling location 108 Comp 2 (109 mg/kg at 3-6 feet).

108 Ruggles Street Soil PCB Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, , the analytical results did not indicate the detection of total PCBs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the exception of sampling locations B10.75 (2.668 mg/kg), D.75-7 (2.25 mg/kg), D.75-8 (5.24 mg/kg), D6.25 (2.77 mg/kg), and D8 (2.23 mg/kg).

For soil samples taken in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of total PCBs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the exception of sampling location A9 (2.85 mg/kg at 3-6 feet).

108 Ruggles Street Soil TPH Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of TPH at concentrations exceeding the applicable MCP Method 1 cleanup standards.

For soil samples taken in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of TPH at concentrations exceeding the applicable MCP Method 1 cleanup standards, with the exception of sampling locations 108 Comp 2 (diesel range organics 1,040 mg/kg at 6 feet-native), and 108 Comp 5 (diesel range organics 2,690 mg/kg at 3-6 feet and 1,140 mg/kg at 6 feet-native).

108 Ruggles Street Soil Dibenzofuran Results

For soil samples taken in the 0-3 foot below ground surface horizon and the greater than 3 feet horizon, the analytical results did not indicate the detection of dibenzofuran at concentrations exceeding the applicable MCP Method 1 soil cleanup standards.

108 Ruggles Street Soil VOC Results

For soil samples taken in the 0 to 3 foot below ground surface horizon and the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of VOCs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards.

3.3.2.6 118 Ruggles Street Soil Results

For soil samples taken from the 118 Ruggles Street Property, the laboratory results did not indicate the detection of any contaminants at concentrations that exceed the applicable MCP Method 1 soil cleanup standards with the exception four PAHs [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and dibenz(a,h)anthracene], PCBs, and three metals (cadmium, chromium, and lead). A summary of the 118 Ruggles Street soil analytical results for detected contaminants only is included in Table 6, and an Analytical Results Summary Map is included in Figure 7.

118 Ruggles Street Soil PAH Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of any PAHs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the exception of sampling location 118 Comp 1

[benzo(a)anthracene at 8.8 mg/kg, benzo(a)pyrene at 7.1 mg/kg, benzo(b)fluoranthene at 8.5 mg/kg, and dibenz(a,h)anthracene at 1 mg/kg].

For soil samples taken in the greater than 3 foot below ground surface horizon, the analytical results did not indicate the detection of any PAHs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exceptions:

- benzo(a)anthracene at sampling locations 118 Comp 1 (10 mg/kg at 3-6 feet), and 118 Ruggles Front Comp (20.6 mg/kg at unknown depth).
- benzo(a)pyrene at sampling location 118 Comp 1 (8.7 mg/kg at 3-6 feet), 118 Comp 2 (6 mg/kg at 3-6 feet), and 118 Ruggles Front Comp (14 mg/kg at unknown depth), and 118 Ruggles Rear Comp (2.8 mg/kg at unknown depth).
- benzo(b)fluoranthene at sampling location 118 Comp 1 (11 mg/kg at 3-6 feet).
- dibenz(a,h)anthracene at sampling locations 118 Comp 1 (1.3 mg/kg at 3-6 feet), and 118 Ruggles Front Comp (2.1 mg/kg at unknown depth).

118 Ruggles Street Soil Metals Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, the analytical results did not indicate the detection of any metals at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exception:

- chromium at sampling location 118 Comp 2 (36 mg/kg).
- lead at sampling locations 118 Comp 2 (446 mg/kg), and 118 Ruggles Front Comp (388 mg/kg).

For soil samples taken in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of any metals at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the following exceptions:

- cadmium at sampling location 118 Comp 2 (4.67 mg/kg at 3-6 feet).
- chromium at sampling location 118 Comp 2 (33 mg/kg at 3-6 feet).
- lead at sampling locations 118 Comp 2 (560 mg/kg at 3-6 feet), and 118 Ruggles Front Comp (307 mg/kg at unknown depth).

118 Ruggles Street Soil PCB Results

For soil samples taken in the 0 to 3 foot below ground surface horizon, , the analytical results did not indicate the detection of total PCBs at concentrations exceeding the applicable MCP Method

1 soil cleanup standards, with the exception of sampling locations A12 (3.84 mg/kg), A13 (2.13 mg/kg) and A14 (2.4 mg/kg).

For soil samples taken in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of total PCBs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards, with the exception of sampling location A15 (59.1 mg/kg at 2.75-4 feet).

118 Ruggles Street Soil TPH Results

For soil samples taken in the 0 to 3 foot below ground surface horizon and in the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of TPH at concentrations exceeding the applicable MCP Method 1 cleanup standards.

118 Ruggles Street Soil Dibenzofuran Results

For soil samples taken in the 0-3 foot below ground surface horizon and the greater than 3 feet horizon, the analytical results did not indicate the detection of dibenzofuran at concentrations exceeding the applicable MCP Method 1 soil cleanup standards.

118 Ruggles Street Soil VOC Results

For soil samples taken in the 0 to 3 foot below ground surface horizon and the greater than 3 feet below ground surface horizon, the analytical results did not indicate the detection of VOCs at concentrations exceeding the applicable MCP Method 1 soil cleanup standards.

4.0 OBJECTIVE, PLAN & IMPLEMENTATION SCHEDULE

4.1 Objective

Work to be performed under this RAM includes:

- Installation of a perimeter fence
- Excavation and immediate replacement of soil during the disconnection of site underground utilities;
- Demolition of dwelling structures and off-site disposal of dwelling debris;
- Demolition of the concrete foundations to a depth of two feet below ground surface and off-site disposal at an appropriate receiving facility;
- Breaking up of the basement slab;
- Backfilling of basement space with appropriately documented contaminant-free fill material screened in advance for the presence of regulated contaminants;
- As needed sampling and analysis of surficial soil materials; and
- Temporary concrete and soil stockpiling and stockpile management (or equivalent use of roll-offs).

The City anticipates that this work will begin on or about the week beginning September 8, 2009 and is anticipated to be completed by October 23, 2009. This schedule is anticipated to include two weeks for perimeter fence installation, two weeks for demolition, and two weeks for backfilling and restoration. A summary of the City of New Bedford's Demolition Plan and Schedule is included in Appendix E.

4.2 Plan

The City's Department of Public Infrastructure (DPI) working with the Department of Environmental Stewardship will demolish buildings at the Acquired Residential Properties on and located at 101, 102, and 111 Greenwood Street and 98, 108, and 118 Ruggles Street.

The City's objective is to demolish the buildings as soon as possible using DPI resources. The demolition will consist of the dismantling and removal of the buildings only. No soil remediation or removal work is planned in conjunction with the demolition.

Prior to beginning construction activities, the area of work will be secured by installing a temporary chain link fence around the work area and hay bales (or equivalent) will be deployed as need to control runoff. The fence will be installed utilizing a hydraulic driving machine to push the fence posts into the ground so that no excavation is required. Steel plates will be placed on the lawn areas accessed by heavy equipment. Roll-off containers will also be placed on the steel plates or driveways in order to minimize destruction of the lawn areas during construction/demolition activities.

4.2.1 Disconnection of Utilities

4.2.1.1 Overhead Utilities

Overhead utilities to each property will be disconnected at the main utility pole or cable, whichever is appropriate.

4.2.1.2 Underground Utilities

Underground utilities will be terminated by removal of the meter and cutoff of the utility at the dwelling or shut off at the gate valve, as needed.

Soil will be excavated during site construction activities only for the disconnection of site underground utilities. All natural gas and water supplies to the residences will be shut off at the street main supply prior to disconnection at the dwelling foundation. Soil will be excavated along the dwelling foundations to a depth as required to expose the utility connection at the foundation. Soil will be temporarily placed on polyethylene sheeting (6-mil minimum) or similar adjacent to the excavation. The utility connection will then be cut and capped, such that the termination will remain below ground surface. The excavation will then be backfilled with the previously excavated material, returned in the approximate order removed.

TRC personnel will observe the excavation of the soil for visual and olfactory evidence of contamination during excavation. The soil will also be monitored with a PID. Soil will be screened for VOCs using the MassDEP jar headspace method. Additional air monitoring may be implemented during excavation activities to ensure worker's safety while in the work zone. This need will be assessed on a case-by-case base in consultation with TRC's LSP.

All soil excavation activities will be conducted in accordance with a site specific Health & Safety Plan (HASP), which includes potential hazards and outlines how to respond to emergencies. Each organization performing work at the Site shall prepare their own HASP for the activities undertaken by that organization.

4.2.2 Demolition of Dwelling Structures

Prior to the demolition of the dwelling structures the City will perform abatement work not covered under this plan to remove hazardous materials identified within the structures including asbestos containing materials, miscellaneous containers of fluids, mercury thermostats, and other household items or items associated with the materials of construction. TRC performed pre-demolition inspections of the properties and identified various quantities of building-related hazardous materials such as asbestos. The City has retained Franklin Analytical of Marion, Massachusetts to perform the pre-demolition abatement of building-related hazardous materials. Additionally, all utilities will be disconnected as described in Section 4.2.1 prior to demolition of the dwelling structures.

The building will then be demolished, and the demolition materials will be placed directly into roll off containers. The demolition waste will then be disposed of at an approved construction

waste facility. The demolition will be performed by the City's DPI using appropriately trained personnel with prior building demolition experience.

4.2.3 Concrete Foundation and Slab On-Site Crushing and Backfilling

Upon completion of the work described in Sections 4.2.1 and 4.2.2, the concrete foundations will be demolished to two feet below ground surface. The concrete pieces will be removed and segregated for disposal at an appropriate landfill. Prior to disposal, the concrete pieces will be broom swept and washed as needed over the foundation to ensure that they are free of any significant accumulation of soil. The basement slabs will be broken up to enable drainage of the foundation. Additionally, if any rebar is encountered, all rebar will be removed and recycled or disposed of at an approved solid waste management facility. The remainder of the foundation space will be backfilled with contaminant free soil as described in Section 4.2.6.

All materials will be managed as described in the *Soil Management Plan* in Appendix D.

4.2.4 Sampling and Analysis of Surficial Materials

Soil will be characterized through a combination of pre-construction and post-construction sampling and analysis as discussed below. This plan may be modified to accommodate logistical and scheduling issues in consultation with the Licensed Site Professional (LSP) since the activities outlined in this plan may or may not be conducted in a single mobilization.

4.2.5 Site Reconstruction/Backfill Borrow Material

Imported backfill will be considered contaminant-free soil if the source has documentation that the following analyses were performed and any detections encountered were below the current MCP Method 1, S-1 standards:

- Volatile Organic Compounds via SW-846 Method 8260B;
- Semivolatile Organic Compounds via SW-846 Method 8270C;
- Volatile Petroleum Hydrocarbons/Extractable Petroleum Hydrocarbons via MassDEP methodologies;
- Polychlorinated Biphenyls via SW-846 Method 8082;
- RCRA-8 Metals (via SW-846 Methods 6010B/7471A); and
- Pesticides/Herbicides via SW-846 Methods 8081A/8151A.

Lacking such documentation, the City may undertake appropriate sampling and analysis to guard against importation of contaminated soil and evaluate the suitability of the soil for its intended use.

4.3 Implementation Schedule

The RAM activities associated with the excavation and/or removal of contaminated soil are scheduled to begin on or about the week beginning September 8, 2009 and are anticipated to be completed by October 23, 2009. TRC anticipates submittal of a RAM Completion Report within

60 days of the completion of all RAM activities, or a RAM status report if the outcomes of activities do not warrant a RAM completion report.

5.0 REMEDIATION WASTE MANAGEMENT STATEMENT

This section describes procedures for the on-site management and off-site reuse, recycling, and/or disposal of remediation waste generated during this RAM. Remediation waste management will be conducted in accordance with the applicable sections of the MCP, MassDEP *Interim Remediation Waste Management Policy for Petroleum Contaminated Soils*, WSC-94-400 and MassDEP Policy COMM#97-001 *Reuse and Disposal of Contaminated Soils and Sediments at Massachusetts Landfills*, where applicable.

It is currently anticipated that no soil will be excavated and transported from the Site as part of this RAM. The estimated volume of asphalt to be transported from the Site as part of this RAM is approximately 46 cubic yards should the City opt to remove the driveways. The *Soil Management Plan* provided in Appendix D, outlines the plan for soil, asphalt and construction waste management at the Site.

5.1 On-Site Soil and Concrete Management

Potentially contaminated soil excavation will take place with qualified field oversight personnel. Contractors will be required to implement means to prevent fugitive dust generation such as water sprays.

Excavated soils and concrete associated with the RAM may be temporarily stored as needed on or adjacent to the Site and in the event of off-site reuse, recycling or disposal becomes involved, segregated into the following soil types by the degree of impact and proposed disposal facility:

- Type A – Pre-characterized soils for reuse on-site; excess Type-A soil also suitable for off-site reuse as cover material at a lined or unlined landfill facility. On-site reuse is restricted to the location from which the soils were excavated. Any other placement requires prior approval of the LSP;
- Type B – Suitable for unlined or lined landfill re-use (chemically unsuited for reuse on-site). Also includes soil chemically treated to a degree sufficient to be accepted for lined or unlined landfill reuse;
- Type C – Suitable for asphalt batch recycling (geotechnically unsuited for reuse on-site and/or chemically unsuited for reuse on-site or off-site);
- Type D – Non-hazardous waste landfill disposal (chemically unsuited for on or off-site reuse, and off-site recycling); and
- Type E – Soil requiring segregation and off-site treatment prior to disposal as a hazardous waste.

Soils types are further discussed in *Soil Management Plan* provided in Appendix D. The soil will be stockpiled on a minimum of 6-mil-thick polyethylene. Stockpiled materials will also be securely covered at the end of each work day or during periods of prolonged inactivity with a minimum of 6-mil-thick polyethylene overlapped and weighted to form a continuous waterproof barrier over the material. The cover will be maintained throughout the stockpile period to control water entering the stockpiled materials and to limit fugitive dust generation. The Site will be

secured by a temporary chain link fence around the perimeter that limits unauthorized entry and contact with stored materials by trespassers. Lined and covered roll-offs may also be utilized.

The city may also elect to stockpile soil at the City-owned and operated Shawmut Avenue Transfer Station.

5.2 Off-Site Re-use, Recycling, and/or Disposal

Excavated soil that will be transported from the Site will be characterized as appropriate for off-site reuse, recycling, and/or disposal at a suitable facility. Several suitable off-site facilities may be considered, but no facility locations have been identified at this time since the project is not expected to displace regulated soils. As identified in Section 4.2.1, soil samples will be taken and submitted for laboratory analysis in order to pre-characterize the soil to be excavated. The laboratory results will then be compared against Massachusetts reuse, recycling, and disposal criteria in accordance to MassDEP Policy# COMM-97-001 and Interim Policy #WSC-94-400.

Use of MassDEP COMM-97-001 and WSC-94-4000 tabulated acceptance criteria values would not preclude the use of out-of-state facilities that offer similar reuse (e.g., landfill daily cover) or recycling (e.g., asphalt batch) opportunities. Such opportunities would be evaluated and/or utilized on a case-by-case basis assuming facility acceptance criteria can be met and the facility is currently permitted within its regulatory jurisdiction for the reuse and/or recycling service provided.

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

The transport of contaminated materials from the Site to the disposal facility will be in accordance with all United States Department of Transportation (DOT), United States Environmental Protection Agency (EPA), and MassDEP regulations, as appropriate. The hauler(s) will be licensed in all states affected by the transport of Site soil.

6.0 ENVIRONMENTAL MONITORING PLAN

TRC personnel will be onsite during the demolition and as needed for excavation and off-site transport for reuse, recycling and/or disposal of contaminated soil and will conduct environmental monitoring activities as described herein.

6.1 Field Screening Associated with Soil Removal

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

6.1.1 Jar-Headspace Field Screening of Soils

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

6.2 Air Monitoring

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

6.2.1 Air Monitoring

Air monitoring will be performed using a combination of real-time dust monitoring upwind and downwind of the work area during building demolition, foundation removal, basement slab breaking, and backfilling activities.

6.2.1.1 Real-Time Dust Monitoring

It is anticipated that contaminated material will not be encountered during these construction activities, with the exception of the disconnection of utilities. During the excavation for utility disconnection, a minimum amount of soil disturbance is anticipated and may not require dust monitoring. When potentially contaminated soils are encountered during RAM-related contaminated soil excavation and management activities, and during building demolition, foundation removal, basement slab breaking, and backfilling activities, real-time field screening of breathing zone dust levels will be conducted using direct reading instruments that are designed to monitor air quality on a real-time basis. A second instrument will be used to monitor dust levels downwind of the excavation, while a third instrument will be used to monitor dust levels between the work zone and the nearest property (e.g., residence, school, etc.) regardless of the wind direction.

The dust monitoring units will be TSI Dustrak™ units, or equivalent, equipment with size-selective inlet for particles of 10 micrometers in diameter or less (PM_{10}). Background samples will be collected for at least 15 minutes at each location prior to the start of site activities. The

continuous dust monitor uses a light scattering photometer to quantify particles and converts the counts to a concentration in units of milligrams per cubic meter (mg/m^3). This instrumentation has an accuracy of 0.001 mg/m^3. The dust monitoring instruments will be placed in weatherproof cases with an omni-directional probe to minimize wind interference. The dust monitoring instruments will be zeroed daily before use and at the end of the day. Data will be logged at 60-second intervals and will be monitored periodically by field personnel during RAM-related excavation activities. Data will be downloaded daily.

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

6.2.2 VOC Air Monitoring

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

6.3 Action Levels

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

The ambient Action Level for dust is based on the EPA 24 hour NAAQS for PM_{10} particulate of 150 ug/m^3.

7.0 FEDERAL, STATE & LOCAL PERMITS

7.1 Federal Permit Requirements

There are no known Federal environmental permit requirements for work to be performed under this RAM Plan.

Any federal permit requirements for asbestos or hazardous waste removal will be submitted by the City's asbestos and hazardous waste removal contractor.

7.2 State Permit Requirements

The project is exempt from submission of a Notification Prior to Construction or Demolition Massachusetts Department of Environmental Protection Form BWP AQ 06, given that submission of the form is not required for residential buildings with less than 20 units.

Any state permit requirements for asbestos or hazardous waste removal will be submitted by the City's asbestos and hazardous waste removal contractor.

7.3 Local Permit Requirements

There are no known Local environmental permit requirements.

7.4 Miscellaneous Fees, Notices, and Transportation Documentation

Because the Site is not Tier Classified under the MCP, an $800 RAM Plan fee must be submitted to MassDEP concurrent with this RAM Plan. The $800 fee has been submitted to the MassDEP lock box at DEP, P.O. Box 4062, Boston, MA, 02211-4062. Appendix D contains a copy of the check for the RAM Plan fee for documentation purposes.

Massachusetts Dig-Safe must be notified at least 72 hours prior to commencing the excavation activities described in this RAM Plan. The City or City's contractor will be responsible for construction/refurbishment related Digsafe notifications.

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

8.0 SEAL & SIGNATURE OF LICENSED SITE PROFESSIONAL

The Licensed Site Professional (LSP) overseeing this RAM is:

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

This RAM Plan has been prepared in accordance with 310 CMR 40.0444 as set forth in the MCP.

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

9/4/09
Date

Stamp

9.0 CERTIFICATION OF FINANCIAL RESOURCES

The certification of financial resources under 310 CMR 40.0442(5) is not required since the volume of soil displaced, if any, will not exceed 1,500 cubic yards.

10.0 OTHER RELEVANT INFORMATION

10.1 Public Involvement

As required by 310 CMR 40.1403(3)(d), the Mayor and the Board of Health for the City of New Bedford were notified in writing of the proposed RAM activities. Copies of the notification letters that were sent to the Mayor and Board of Health are provided in Appendix C.

11.0 REFERENCES

MassGIS, 2008 Massachusetts Geographic Information System (MassGIS), On-line MassDEP Priority Resource Map. Accessed July 28, 2008. http://maps.massgis.state.ma.us/21e/viewer.htm

MassDEP, 2002 *Technical Update – Background Levels of Polycyclic Aromatic Hydrocarbons and Metals in Soil.* Prepared by the Massachusetts Department of Environmental Protection (MassDEP) Office of Research and Standards. May 2002.

MassDEP, 1994 *Interim Remediation Waste Management Policy for Petroleum Contaminated Soils*, WSC-94-400,

MassDEP, 1997 COMM#97-001 *Reuse and Disposal of Contaminated Soils and Sediments at Massachusetts Landfills.*

TABLES

TABLE I
Summary of Analaytical Detected Results for Soil Samples - 101 Greenwood Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						101 Comp 1 (101-GW-COM-1-S,M,and D)				101 Comp 2 (101-GW-COM-2-S,M,and D)			101 Comp 3 (101-GW-COM-3-S,M, and D)			101 Comp 4 (101-GW-COM-4)			101 Comp 5 (101-GW-COM-5)			101 Comp 5[1]		101 Greenwood Front Comp (101-GW-F-COMP)	101 Greenwood Rear Comp (101-GW-R-COMP)
		Sample Date:						12/19/2005	12/19/2005		12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	2/6/2006	2/6/2006
		Sample Depth (ft.):						0-3	3-6		6-native	0-3	3-6	6-native	0-3	3-6	6-native	0-3	3-6	6-native	0-3	3-6	6-native	0-3	3-6	*	*
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA	(S)	(M)	Field Dup	(D)	(S)	(M)	(D)	(S)	(M)	(D)	0-3	3-6	6-native	0-3	3-6	6-native	0-3	3-6		
VOCs																											
	Trichloroethene	2	90	2	700	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1000	1000	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1000	1000	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs / Dibenzofuran																											
(mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	0.061 U	0.063 U	NA	0.068 U	1.4	0.62 U	0.092 U	0.065	0.21	0.071 U	0.6	0.069	4.1	0.11	0.69	33	ND	0.58	0.058 U	0.059 U
	Acenaphthylene	600	10	600	10	1	NA	0.061 U	0.063 U	NA	0.068 U	0.32	0.62 U	0.092 U	0.17	0.2	0.81	1.4	0.1	0.24	0.15	0.17	1.6	ND	ND	0.058 U	0.059 U
	Anthracene	1000	1000	3000	3000	1000	NA	0.11	0.069	NA	0.092	3	0.62 U	0.092 U	0.29	0.68	0.53	3.3	0.18	4.8	0.38	2.5	57	ND	1.9	0.058 U	0.059 U
	Benzo(a)anthracene	7	7	40	40	7	NA	0.36	0.2	NA	0.18	4.2	0.7	0.14	0.75	2	1.9	4.4	0.77	9.3	0.92	4.6	67	1.2	4.7	0.21	0.15
	Benzo(a)pyrene	2	2	4	4	2	NA	0.37	0.23	NA	0.15	3.8	0.69	0.15	0.71	1.9	1.7	4.2	0.79	9.7	0.89	4.1	69	1.1	4.3	0.17	0.11
	Benzo(b)fluoranthene	7	7	40	40	7	NA	0.48	0.25	NA	0.23	5.5	0.93	0.26	1.1	2.6	2.8	6.3	1.2	9.9	1.1	6.6	64	1.3	5.9	0.14	0.076
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA	0.25	0.18	NA	0.11	1.3	0.62 U	0.092 U	0.24	0.63	0.5	1.7	0.42	3.6	0.57	2	31	0.55	0.72	0.14	0.093
	Benzo(k)fluoranthene	70	70	400	400	70	NA	0.15	0.11	NA	0.075	1.2	0.62 U	0.092 U	0.39	0.84	0.99	1.2	0.34	2.8	0.49	1.3	26	0.47	2.1	0.15	0.12
	Chrysene	70	70	400	400	70	NA	0.21	0.2	NA	0.16	3.4	0.62 U	0.13	0.61	1.8	1.5	3.5	0.69	7.7	0.76	3.7	54	0.97	3.9	0.16	0.11
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	0.068	0.063 U	NA	0.068 U	0.44	0.62 U	0.092 U	0.094	0.21	0.23	0.47	0.13	1.2	0.17	0.51	8.9	ND	ND	0.058 U	0.059 U
	Fluoranthene	1000	1000	3000	3000	1000	NA	0.76	0.41	NA	0.43	5.5	1.6	0.27	1.6	3.6	4.1	6	1.5	9.5	2.3	7	170	2.6	9.6	0.38	0.29
	Fluorene	1000	1000	3000	3000	1000	NA	0.061 U	0.063 U	NA	0.068 U	2.5	0.62 U	0.092 U	0.076	0.24	0.25	1.9	0.062 U	4.8	0.11	0.88	41	NU	0.83	0.058 U	0.059 U
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	0.25	0.18	NA	0.11	1.5	0.62 U	0.092 U	0.31	0.65	0.74	2	0.45	4.2	0.64	2.1	38	0.68	1.1	0.11	0.082
	2-Methylnaphthalene	80	300	80	500	0.7	NA	0.061 U	0.063 U	NA	0.068 U	0.54	0.62 U	0.092 U	0.061 U	0.099	0.084	0.17	0.062 U	1.8	0.062 U	0.079	4.5	ND	ND	0.058 U	0.059 U
	Naphthalene	40	500	40	1000	4	NA	0.061 U	0.063 U	NA	0.068 U	1.4	0.62 U	0.092 U	0.061 U	0.12	0.071 U	0.19	0.062 U	7.7	0.062 U	0.14	17	ND	ND	0.058 U	0.059 U
	Phenanthrene	500	500	1000	1000	10	NA	0.39	0.26	NA	0.31	6.5	1	0.13	1	2.9	2.9	7.1	0.88	10	1.3	7.4	180	1.7	7.8	0.16	0.17
	Pyrene	1000	1000	3000	3000	1000	NA	0.79	0.45	NA	0.4	4.9	1.2	0.24	1.4	2.5	3	4.5	1.2	8.7	2.4	4.5	52	2.2	7.6	0.45	0.35
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.058 U	0.059 U
PCBs																											
(mg/kg)	Aroclor 1221	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.023 U	0.023 U
	Aroclor 1232	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.012 U
	Aroclor 1016/1242	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.012 U
	Aroclor 1248	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.012 U
	Aroclor 1254	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.063	0.012 U
	Aroclor 1260	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.012 U
	Aroclor 1262	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.012 U
	Aroclor 1268	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.012 U
	Total PCBs	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.063	0.023 U
Metals, total																											
	Arsenic	20	20	20	20	20	NA	4.23	10	9.53	14	3.92	25	8.9	5.09	12	10	5.6	4.95	1.65	5.88	6.79	13	4.4	3.1	2.16	1.5
	Barium	1000	1000	3000	3000	1000	NA	191	317	233	1160	277	226	169	251	749	405	349	205	34	333	335	464	310	210	71	30
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	2.23	2.5	2.36	24	1.26	15	224	2.05	113	40	2.66	7.47	0.55 U	3.27	2.78	5.43	2	0.79	0.75	0.38
	Chromium	30	30	200	200	30	NA	20	16	13	441	18	29	26	19	33	19	27	20	6.82	29	31	28	52	24	12	7.55
	Lead	300	300	300	300	300	NA	496	1240	755	454	346	1520	2070	1020	6780	1390	553	1030	4.51	525	1150	2790	620	1080	107	62
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	0.45	0.277	0.336	0.318	0.165	0.316	0.198	0.405	0.636	0.221	0.659	0.527	0.738	0.653	0.695	0.537	0.78	0.61	0.118	0.061
	Selenium	400	400	800	800	400	NA	0.77 U	0.78 U	1.52	8.18	0.7 U	0.81 U	1.14 U	1.29	0.88 U	NU	0.98	1.46	1.1 U	0.82 U	1.23	4.53	ND	ND	0.31	0.25
	Silver	100	100	200	200	100	NA	0.38 U	0.39 U	0.38 U	0.44 U	0.35 U	0.4 U	0.57 U	0.38 U	18	0.68	0.35 U	0.41 U	0.55 U	0.41 U	0.41 U	0.57 U	ND	ND	0.12 U	0.1 U
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP																											
(mg/L)	Lead, TCLP	NS	NS	NS	NS	NS	5.0[3]	0.49	0.68	1.27	0.11	0.42	2.17	2.26	0.84	24	2.34	0.31	0.69	NA	0.28	1.92	2.45	NA	NA	NA	NA
Total Petroleum Hydrocarbons																											
(mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA	105	66	NA	108	144	303	134	100	489	703	124	652	354	64	184	3600	NA	NA	NA	NA
	Gasoline Ranee Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(1) Sample identifications in parenthesis denotes identifiers utilized on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
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 Method 1 standards or TCLP standard, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polycyclic Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
1 = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
* - Depth not available in historical report.

TABLE 1
Summary of Analytical Detected Results for Soil Samples - 101 Greenwood Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						D.5-2 (D_52)			D.5-3 (D_53)				D.5-4 (D_54)			D.5-5 (D_55)				E.5-2 (E_52)			E.5-3 (E_53)		
		Sample Date:						12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2006	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005
		Sample Depth (ft.):						2-3	3-6	6-9	1-3	1-3[1]	3-6	6-9	1-3	3-6	6-9	1-3	3-6	6-10	6-10 Field Dup	1-3	3-6	6-9	1-3	3-6	6-9
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA																				
VOCs	Trichloroethene	2	90	2	700	0.3	NA	0.054 U	0.09 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	0.27 U	0.45 U	0.67 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1000	1000	30	NA	0.054 U	0.35	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	NA	0.054 U	0.09 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	0.054 U	0.09 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1000	1000	40	NA	0.054 U	0.09 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-Xylene	500	500	300	1000	300	NA	0.11 U	0.18 U	0.27 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	0.054 U	0.09 U	0.13 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs / Dibenzofuran (mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	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	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	NA	NA	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	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg)	Aroclor 1221	2	2	3	3	2	1	0.24 U	0.27 U	0.3 U	0.236 U	ND	0.262 U	0.253 U	0.266 U	0.272 U	0.321 U	0.24 U	0.24 U	0.3 U	0.23 U	0.235 U	0.282 U	0.282 U	0.239 U	0.278 U	0.32 U
	Aroclor 1232	2	2	3	3	2	1	0.12 U	0.13 U	0.15 U	0.118 U	ND	0.131 U	0.127 U	0.133 U	0.136 U	0.161 U	0.12 U	0.12 U	0.15 U	0.12 U	0.118 U	0.141 U	0.141 U	0.119 U	0.139 U	0.16 U
	Aroclor 1016/1242	2	2	3	3	2	1	0.12 U	0.13 U	0.15 U	0.118 U	ND	0.131 U	0.127 U	0.133 U	0.136 U	0.161 U	0.12 U	0.12 U	0.15 U	0.12 U	0.118 U	0.141 U	0.141 U	0.119 U	0.139 U	0.16 U
	Aroclor 1248	2	2	3	3	2	1	0.12 U	0.13 U	0.15 U	0.118 U	ND	0.131 U	0.127 U	0.133 U	0.136 U	0.161 U	0.12 U	0.12 U	0.15 U	0.12 U	0.118 U	0.141 U	0.141 U	0.119 U	0.139 U	0.16 U
	Aroclor 1254	2	2	3	3	2	1	2.8	0.13 U	1.47	5.78	6.3	0.131 U	0.127 U	11.222	0.136 U	0.376	1.96	0.12 U	0.25	0.902	29.6	0.391	1.832	3.44	0.579	0.751
	Aroclor 1260	2	2	3	3	2	1	0.12 U	0.69	0.15 U	0.118 U	1.1	0.131 U	0.127 U	0.133 U	0.673	0.161 U	0.12 U	0.12 U	0.15 U	0.539	0.118 U	0.141 U	0.141 U	0.119 U	0.139 U	0.16 U
	Aroclor 1262	2	2	3	3	2	1	0.12 U	0.13 U	0.15 U	0.118 U	ND	4.5	6	0.133 U	0.136 U	0.161 U	0.12 U	4.2	0.15 U	0.12 U	0.118 U	0.141 U	0.141 U	0.119 U	0.139 U	0.16 U
	Aroclor 1268	2	2	3	3	2	1	0.12 U	0.13 U	0.15 U	0.118 U	ND	0.131 U	0.127 U	0.133 U	0.136 U	0.161 U	0.12 U	0.12 U	0.15 U	0.12 U	0.118 U	0.141 U	0.141 U	0.119 U	0.139 U	0.16 U
	Total PCBs	2	2	3	3	2	1	2.8	0.69	1.47	5.78	6.3	4.5	6	11.222	0.673	0.376	1.96	4.2	0.25	1.441	29.6	0.391	1.832	3.44	0.579	0.751
Metals, total	Arsenic	20	20	20	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP (mg/L)	Lead, TCLP	NS	NS	NS	NS	NS	5.0[3]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA	54	39	174	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Gasoline Range Organics	1000	1000	3000	3000	1000	NA	9.9	14.9	19.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

(1) Sample identifications in parenthesis denotes identification utilized on figures.

All units in mg/kg unless otherwise specified.

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

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

ND - Not detected; quantitation limit not available in historical data.

U - Compound was not detected at specified quantitation limit.

Values in field indicate the compound was detected.

Values shown in Bold and shaded in gray exceed one or more of the listed Method 1 standards or applicable TCLP standards, as applicable.

Values shown in bold and outlined exceed TSCA standard.

PAHs - Polycyclic Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentrations.

TSCA - Toxic Substances Control Act criteria.

Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.

[1] – Split sample with Goldman Environmental, analyzed by Ocean Water Analytical; lab report not available in historical data.

* - Depth not available in historical report.

TABLE 1
Summary of Analaytical Detected Results for Soil Samples - 101 Greenwood Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						E-5-4 (E_54)				E-5-5 (E_55)			B1	F2				G2				G5		H1	I2				
		Sample Date:						12/20/2005	12/20/2005	12/20/2006	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	1/27/2006	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005
		Sample Depth (ft.):						1-3	3-6	3-6[1]	6-9	0.5-3	3-6	6-8.5	1-2	0.25-3	3-6	3-6[1]	6-8	0.5-3	0-1	3-6	6-9	1.5-3	3-6	1-3	0.5-3	3-6	6-8.5	6-8.5 Field Dup	
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RCS-1	TSCA																							
VOCs	Trichloroethene	2	90	2	700	0.3	NA	NA	NA	NA	NA	0.062 U	0.062 U	0.064 U	NA	0.06 U	0.065 U	NA	0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	NA	NA	NA	NA	0.31 U	0.7	2	NA	0.3 U	0.32 U	NA	0.38 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1000	1000	30	NA	NA	NA	NA	NA	0.062 U	0.062 U	0.064 U	NA	0.06 U	0.065 U	NA	0.077 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	NA	NA	NA	NA	NA	0.062 U	0.062 U	0.064 U	NA	0.06 U	0.065 U	NA	0.077 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	NA	NA	NA	NA	0.062 U	0.062 U	0.064 U	NA	0.06 U	0.11	NA	0.077 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1000	1000	40	NA	NA	NA	NA	NA	0.062 U	0.062 U	0.064 U	NA	0.06 U	0.065 U	NA	0.077 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1000	300	NA	NA	NA	NA	NA	0.12 U	0.12 U	0.13 U	NA	0.12 U	0.13 U	NA	0.15 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	0.062 U	0.51	11	NA	0.06 U	0.065 U	NA	0.077 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs / Dibenzofuran (mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	NA	NA	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	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	NA	NA	NA	NA	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	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg)	Aroclor 1221	2	2	3	3	2	1	0.258 U	0.259 U	ND	0.319 U	0.263 U	0.269 U	0.263 U	0.238 U	0.243 U	0.262 U	ND	0.257 U	0.253 U	0.1 U	0.258 U	0.274 U	0.255 U	0.303 U	0.207 U	0.235 U	0.265 U	0.518 U	0.382 U
	Aroclor 1232	2	2	3	3	2	1	0.129 U	0.13 U	ND	0.16 U	0.132 U	0.134 U	0.132 U	0.144 U	0.122 U	0.131 U	ND	0.129 U	0.126 U	0.2 U	0.129 U	0.137 U	0.127 U	0.151 U	0.104 U	0.118 U	0.133 U	0.259 U	0.191 U
	Aroclor 1016/1242	2	2	3	3	2	1	0.129 U	0.13 U	ND	0.16 U	0.132 U	0.134 U	0.132 U	0.144 U	0.122 U	0.131 U	ND	0.129 U	0.126 U	0.1 U	0.129 U	0.137 U	0.127 U	0.151 U	0.104 U	0.118 U	0.133 U	0.259 U	0.191 U
	Aroclor 1248	2	2	3	3	2	1	0.129 U	0.13 U	ND	0.16 U	0.132 U	0.134 U	0.132 U	0.144 U	0.122 U	0.131 U	ND	0.129 U	0.126 U	0.1 U	0.129 U	0.137 U	0.127 U	0.151 U	0.104 U	0.118 U	0.133 U	0.259 U	0.191 U
	Aroclor 1254	2	2	3	3	2	1	2.51	0.372	0.66	0.16 U	2.34	0.134 U	0.687	1.85	3.66	0.784	5.6	3.01	10.4	0.226	23.3	1.37 U	2.03	1.06	0.104 U	0.968	799	1.87	2.46
	Aroclor 1260	2	2	3	3	2	1	3.8	0.455	0.35	0.16	4.53	0.868	1.71	0.816	2.09	0.621	1.9	2.11	0.126 U	0.1 U	0.129 U	0.137 U	1.56	0.867	0.104 U	0.81	177	0.259 U	1.24
	Aroclor 1262	2	2	3	3	2	1	0.129 U	0.13 U	ND	0.16 U	0.132 U	0.134 U	0.132 U	NA	0.122 U	0.131 U	ND	0.129 U	0.126 U	0.1 U	0.129 U	0.137 U	NA	NA	0.104 U	NA	NA	NA	NA
	Aroclor 1268	2	2	3	3	2	1	0.129 U	0.13 U	ND	0.16 U	0.132 U	0.134 U	0.132 U	NA	0.122 U	0.131 U	ND	0.129 U	0.126 U	0.1 U	0.129 U	0.137 U	NA	NA	0.104 U	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	1	6.01	0.827	1.01	0.16	6.87	0.868	2.397	2.666	5.75	1.405	7.5	5.12	10.4	0.226	23.3	1.37 U	3.59	1.927	0.207 U	1.778	976	1.87	3.7
Metals, total	Arsenic	20	20	20	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP (mg/L)	Lead, TCLP	NS	NS	NS	NS	NS	5.0[3]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	188	266	234	NA	157	63	NA	106	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Gasoline Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	7.8 U	9.5	13	NA	11.5	11.8	NA	14.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(1) Sample identification in parentheses denotes identification related on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected, quantitation limit not available in historical data.
U - Compound was not detected at specified quantitation limit.
Values in Bold indicate the compound was detected.
Values shown in Bold and shaded boxes exceed one or more of the listed Method 1 standards or TCLP standards, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
[1] = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
* - Depth not available in historical report.

TABLE 1
Summary of Analaytical Detected Results for Soil Samples - 101 Greenwood Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						H3			H4			H5			I3		I4	I5	
							Sample Date:	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005
							Sample Depth (ft.):	1-3	3-6	6-9	1-3	3-6	6-7.75	1-3	3-6	6-7	1-3	1-3 Field Dup	1-3	3-6	6-7
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA														
VOCs	Trichloroethene	2	90	2	700	0.3	NA	NA	NA	NA	0.069 U	NU	0.13 U	NA	NA	NA	NA	NA	NA	0.065 U	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	NA	NA	NA	0.35 U	ND	0.63 U	NA	NA	NA	NA	NA	NA	0.33 U	NA
	Toluene	500	500	1000	1000	30	NA	NA	NA	NA	0.069 U	ND	0.13 U	NA	NA	NA	NA	NA	NA	0.065 U	NA
	Tetrachloroethene	10	30	10	200	1	NA	NA	NA	NA	0.069 U	ND	0.13 U	NA	NA	NA	NA	NA	NA	0.065 U	NA
	Chlorobenzene	3	100	3	100	1	NA	NA	NA	NA	0.069 U	NU	0.13 U	NA	NA	NA	NA	NA	NA	0.065 U	NA
	Ethylbenzene	500	500	1000	1000	40	NA	NA	NA	NA	0.069 U	ND	0.13 U	NA	NA	NA	NA	NA	NA	0.065 U	NA
	m & p-Xylene	300	500	300	1000	300	NA	NA	NA	NA	0.14 U	ND	0.25 U	NA	NA	NA	NA	NA	NA	0.13 U	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	0.069 U	ND	0.13 U	NA	NA	NA	NA	NA	NA	0.065 U	NA
PAHs / Dibenzofuran (mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg)	Aroclor 1221	2	2	3	3	2	1	0.215 U	0.219 U	0.331 U	0.257 U	0.265 U	0.288 U	0.24 U	0.267 U	0.3 U	0.208 U	0.209 U	0.212 U	0.201 U	0.281 U
	Aroclor 1232	2	2	3	3	2	1	0.107 U	0.11 U	0.165 U	0.128 U	0.133 U	0.144 U	0.12 U	0.134 U	0.15 U	0.104 U	0.105 U	0.106 U	0.1 U	0.141 U
	Aroclor 1016/1242	2	2	3	3	2	1	0.107 U	0.11 U	0.165 U	0.128 U	0.134 U	0.145 U	0.12 U	0.134 U	0.15 U	0.104 U	0.105 U	0.106 U	0.1 U	0.141 U
	Aroclor 1248	2	2	3	3	2	1	0.107 U	0.11 U	0.165 U	0.128 U	0.135 U	0.146 U	0.12 U	0.134 U	0.15 U	0.104 U	0.105 U	0.106 U	0.1 U	0.141 U
	Aroclor 1254	2	2	3	3	2	1	1.27	1.58	10.7	0.787	1.71	0.714	1.81	0.486	0.15 U	0.104 U	0.105 U	0.106 U	0.1 U	0.141 U
	Aroclor 1260	2	2	3	3	2	1	0.611	0.81	4.67	3.77	1.32	0.697	1.28	0.399	0.15 U	0.104 U	0.105 U	0.106 U	0.1 U	0.141 U
	Aroclor 1262	2	2	3	3	2	1	0.107 U	0.11 U	0.165 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	2	3	3	2	1	0.107 U	0.11 U	0.165 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	1	1.881	2.39	15.37	4.557	3.03	1.411	3.09	0.885	0.3 U	0.208 U	0.209 U	0.212 U	0.201 U	0.281 U
Metals, total	Arsenic	20	20	20	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP (mg/L)	Lead, TCLP	NS	NS	NS	NS	NS	5.0[3]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	138	164	NA	NA	NA	NA	NA	NA	NA
	Gasoline Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	22.3	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(1) Sample identifications in parentheses denotes identification utilized on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
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NA - Sample not analyzed for the listed analyte.
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Values in Bold indicate the compound was detected.
Values shown in Bold and Black Highlight exceed one or more of the Method 1 Soil Standards for GW-2 or GW-3, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentrations.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
[1] - Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
* - Depth not available in historical report.

TABLE 2
Summary of Analaytical Detected Results for Soil Samples - 102 Greenwood Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						102 Comp 1 (102-GW-COM-1)			K1.3 (K1_3)		K5.5 (K5_5)		L1.3 (L1_3)		M1.3 (M1_3)		SB-185			SB-186	
		Sample Date:						6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/9/2008	6/9/2008	6/9/2008	6/9/2008	6/9/2008
		Sample Depth (ft.):						0-3	3-6	6-native	0.5-3	7.5-8	0.5-3	5-7	1-4	9-10	3-4	7.5-8	2	4	6	2	3.4
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA																
PAHs / Dibenzofuran																							
(mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	0.26 U	0.27 U	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.258**	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	0.26 U	0.27 U	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.193 U**	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	**0.28**	0.27 U	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.692**	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	**0.46**	0.27 U	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.69**	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	**0.43**	0.27 U	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.75**	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	**0.59**	**0.36**	**0.43**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.30**	NA	NA
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA	0.26 U	0.27 U	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.963**	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	0.26 U	0.27 U	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.763**	NA	NA
	Chrysene	70	70	400	400	70	NA	**0.49**	0.27 U	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.87**	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	0.26 U	0.27 U	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.362**	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	**0.61**	**0.42**	**0.61**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.68**	NA	NA
	Fluorene	1000	1000	3000	3000	1000	NA	0.26 U	0.27 U	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.341**	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	0.26 U	0.27 U	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.12**	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	0.26 U	0.27 U	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.193 U**	NA	NA
	Naphthalene	40	500	40	1000	4	NA	0.26 U	0.27 U	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.245**	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	**0.41**	0.27 U	**0.44**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.47**	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	**0.79**	**0.48**	**0.47**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.55**	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	0.26 U	0.27 U	0.29 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																							
(mg/kg)	Aroclor 1221	2	2	3	3	2	1	ND	ND	ND	0.1 U	0.13 U	0.117 U	0.117 U	0.108 U	0.111 U	0.108 U	0.113 U	1.64 U	1.08 U	0.231 U	0.0550 U	0.0538 U
	Aroclor 1232	2	2	3	3	2	1	ND	ND	ND	0.1 U	0.13 U	0.117 U	0.117 U	0.108 U	0.111 U	0.108 U	0.113 U	1.64 U	1.08 U	0.231 U	0.0550 U	0.0538 U
	Aroclor 1016/1242	2	2	3	3	2	1	ND	ND	ND	0.1 U	0.13 U	0.117 U	0.117 U	0.108 U	0.111 U	0.108 U	0.113 U	1.64 U	1.08 U	0.231 U	0.0550 U	0.0538 U
	Aroclor 1248	2	2	3	3	2	1	ND	ND	ND	0.1 U	0.13 U	0.117 U	0.117 U	0.108 U	0.111 U	0.108 U	0.113 U	1.64 U	1.08 U	0.231 U	0.0550 U	0.0538 U
	Aroclor 1254	2	2	3	3	2	1	ND	ND	ND	0.1 U	**5.15**	0.117 U	0.117 U	0.108 U	**0.552**	0.179	**12.4**	**68.3 J**	**45.7 J**	**10.7 J**	0.798 J	0.376 J
	Aroclor 1260	2	2	3	3	2	1	ND	ND	ND	0.1 U	0.13 U	0.117 U	0.117 U	**0.141**	0.111 U	0.108 U	0.113 U	1.64 U	1.08 U	0.231 U	0.402 J	0.635 J
	Aroclor 1262	2	2	3	3	2	1	NA	NA	NA	0.1 U	1.13 U	0.117 U	0.117 U	0.108 U	0.111 U	0.108 U	0.113 U	NA	NA	NA	NA	NA
	Aroclor 1268	2	2	3	3	2	1	NA	NA	NA	0.1 U	2.13 U	0.117 U	0.117 U	0.108 U	0.111 U	0.108 U	0.113 U	NA	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	1	ND	ND	ND	0.1 U	**5.15**	0.117 U	0.117 U	**0.141**	**0.552**	**0.179**	**12.4**	**68.3 J**	**45.7 J**	**10.7 J**	1.20 J	1.011 J
Metals, total																							
	Arsenic	20	20	20	20	20	NA	**1.52**	**3.48**	**6.79**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.07**	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	**27**	**58**	**421**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**113**	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.29 U	NA	NA
	Cadmium	2	2	30	30	2	NA	**0.44**	**0.8**	**0.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.49**	NA	NA
	Chromium	30	30	200	200	30	NA	**16**	**9.15**	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.82**	NA	NA
	Lead	300	300	300	300	300	NA	**38**	**191**	**67**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**673**	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**24.9**	NA	NA
	Mercury	20	20	30	30	20	NA	**0.097**	**0.232**	**0.111**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.131**	NA	NA
	Selenium	400	400	800	800	400	NA	0.63 U	0.73 U	0.77 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.79 U	NA	NA
	Silver	100	100	200	200	100	NA	0.32 U	0.36 U	0.39 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.33**	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.48 U	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9.46**	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.490**	NA	NA

Notes:
(1) Sample identifications in parenthesis denotes identification utilized on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
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 Method 1 standards or TCLP standard, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
[1] = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
* - Depth not available in historical report.

TABLE 2
Summary of Analaytical Detected Results for Soil Samples - 102 Greenwood Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						SB-187		SB-188			SB-189				SB-190					SB-191			SB-192		
								Sample Date:	6/9/2008	6/9/2008	6/10/2008	6/10/2008	6/10/2008	6/10/2008	6/10/2008	6/10/2008	6/10/2008	6/9/2008	6/9/2008	6/9/2008	6/9/2008	6/9/2008	6/9/2008	6/9/2008	6/9/2008	6/9/2008	6/9/2008
								Sample Depth (ft.):	4	6	1	4.5	9	1	3.5	7	11	1	4	4 Field Dup	6	8	1	4	8	1	4	9
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA																				
PAHs / Dibenzofuran																											
(mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	NA	0.206 U	NA	0.195 U	0.181 U	NA	0.175 U	0.184 U	NA	0.189 U	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Acenaphthylene	600	10	600	10	1	NA	NA	0.206 U	NA	0.195 U	0.181 U	NA	0.175 U	0.184 U	NA	0.189 U	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Anthracene	1000	1000	3000	3000	1000	NA	NA	0.206 U	NA	0.341	0.181 U	NA	0.175 U	0.184 U	NA	0.189 U	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	0.645	NA	1.05	0.181 U	NA	0.175 U	0.184 U	NA	0.462	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	0.602	NA	0.890	0.181 U	NA	0.175 U	0.184 U	NA	0.495	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	0.886	NA	1.26	0.181 U	NA	0.175 U	0.184 U	NA	0.771	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA	NA	0.419	NA	0.456	0.181 U	NA	0.175 U	0.184 U	NA	0.301	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	0.330	NA	0.574	0.181 U	NA	0.175 U	0.184 U	NA	0.265	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Chrysene	70	70	400	400	70	NA	NA	0.738	NA	1.24	0.181 U	NA	0.175 U	0.184 U	NA	0.512	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	0.206 U	NA	0.195 U	0.181 U	NA	0.175 U	0.184 U	NA	0.189 U	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Fluoranthene	1000	1000	3000	3000	1000	NA	NA	1.58	NA	2.50	0.181 U	NA	0.175 U	0.184 U	NA	0.954	9.96 U	9.63 U	NA	0.182 U	NA	0.221	0.186 U	NA	0.195	0.178 U
	Fluorene	1000	1000	3000	3000	1000	NA	NA	0.206 U	NA	0.195 U	0.181 U	NA	0.175 U	0.184 U	NA	0.189 U	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	NA	0.449	NA	0.430	0.181 U	NA	0.175 U	0.184 U	NA	0.346	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	0.206 U	NA	0.195 U	0.181 U	NA	0.175 U	0.184 U	NA	0.189 U	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Naphthalene	40	500	40	1000	4	NA	NA	0.206 U	NA	0.195 U	0.181 U	NA	0.175 U	0.184 U	NA	0.189 U	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Phenanthrene	500	500	1000	1000	10	NA	NA	1.12	NA	1.64	0.181 U	NA	0.175 U	0.184 U	NA	0.348	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Pyrene	1000	1000	3000	3000	1000	NA	NA	0.943	NA	1.73	0.181 U	NA	0.175 U	0.184 U	NA	0.588	9.96 U	9.63 U	NA	0.182 U	NA	0.220 U	0.186 U	NA	0.193 U	0.178 U
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																											
(mg/kg)	Aroclor 1221	2	2	3	3	2	1	0.0539 U	0.123 U	0.0682 U	0.0597 U	0.0510 U	0.0531 U	0.0509 U	0.0552 U	0.0531 U	0.0557 U	0.0581 U	0.0602 U	0.0639 U	0.0522 U	0.0510 U	0.0648 U	0.0522 U	0.0521 U	0.0532 U	0.0503 U
	Aroclor 1232	2	2	3	3	2	1	0.0539 U	0.123 U	0.0682 U	0.0597 U	0.0510 U	0.0531 U	0.0509 U	0.0552 U	0.0531 U	0.0557 U	0.0581 U	0.0602 U	0.0639 U	0.0522 U	0.0510 U	0.0648 U	0.0522 U	0.0521 U	0.0532 U	0.0503 U
	Aroclor 1016/1242	2	2	3	3	2	1	0.0539 U	0.123 U	0.0682 U	0.0597 U	0.0510 U	0.0531 U	0.0509 U	0.0552 U	0.0531 U	0.0557 U	0.0581 U	0.0602 U	0.0639 U	0.0522 U	0.0510 U	0.0648 U	0.0522 U	0.0521 U	0.0532 U	0.0503 U
	Aroclor 1248	2	2	3	3	2	1	0.0539 U	0.123 U	0.0682 U	0.0597 U	0.0510 U	0.0531 U	0.0509 U	0.0552 U	0.0531 U	0.0557 U	0.0581 U	0.0602 U	0.0639 U	0.0522 U	0.0510 U	0.0648 U	0.0522 U	0.0521 U	0.0532 U	0.0503 U
	Aroclor 1254	2	2	3	3	2	1	0.181 J	4.63 J	0.358 J	0.436 J	0.0510 U	0.0673 J	0.0509 U	0.191 J	0.0531 U	0.0557 U	0.199 J	0.310 J	0.358 J	0.0522 U	0.142 J	0.0648 U	0.0522 U	0.0521 U	0.0532 U	0.0503 U
	Aroclor 1260	2	2	3	3	2	1	0.0889 J	1.25 J	0.222 J	0.306 J	0.0510 U	0.0531 U	0.0509 U	0.0552 U	0.0531 U	0.425 J	0.0581 U	0.119 J	0.616 J	0.0522 U	0.0510 U	0.0648 U	0.0522 U	0.0521 U	0.0532 U	0.0503 U
	Aroclor 1262	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	1	0.2699 J	5.88 J	0.580 J	0.742 J	0.0510 U	0.0673 J	0.0509 U	0.191 J	0.0531 U	0.425 J	0.199 J	0.429 J	0.974 J	0.0522 U	0.142 J	0.0648 U	0.0522 U	0.0521 U	0.0532 U	0.0503 U
Metals, total																											
	Arsenic	20	20	20	20	20	NA	NA	32.0	NA	22.8	4.33	NA	2.87	2.76 U	NA	5.87	11.5	8.08	NA	4.10	NA	8.23	4.20	NA	8.68	4.66
	Barium	1000	1000	3000	3000	1000	NA	NA	432	NA	343	12.8	NA	15.2	24.8	NA	97.8	398	438	NA	9.74	NA	358	11.9	NA	47.3	10.6
	Beryllium	100	100	200	200	100	NA	NA	0.31 U	NA	0.57	0.28 U	NA	0.27 U	0.31	NA	0.29 U	0.30 U	0.29 U	NA	0.28 U	NA	0.78	0.28 U	NA	0.29 U	0.27 U
	Cadmium	2	2	30	30	2	NA	NA	2.44	NA	1.30	0.28 U	NA	0.27 U	0.28 U	NA	1.15	1.26	1.74	NA	0.28 U	NA	0.37	0.28 U	NA	0.29 U	0.27 U
	Chromium	30	30	200	200	30	NA	NA	41.9	NA	28.1	9.83	NA	4.83	4.61	NA	14.3	122	45.5	NA	10.8	NA	14.8	8.17	NA	9.06	13.6
	Lead	300	300	300	300	300	NA	NA	846	NA	801	4.34	NA	4.50	31.1	NA	258	1,510	460	NA	3.87	NA	219	4.39	NA	157	2.64
	Nickel	20	20	700	700	20	NA	NA	33.6	NA	30.8	6.31	NA	3.16	2.60	NA	7.75	25.5	13.7	NA	4.44	NA	9.90	3.99	NA	4.53	4.96
	Mercury	20	20	30	30	20	NA	NA	0.823	NA	0.258	0.025 U	NA	0.013 U	0.013	NA	0.437	0.651	0.688	NA	0.016 U	NA	0.025 U	0.014 U	NA	0.127	0.013 U
	Selenium	400	400	800	800	400	NA	NA	6.16 U	NA	5.83 U	5.43 U	NA	5.23 U	5.52 U	NA	5.66 U	5.98 U	5.78 U	NA	5.46 U	NA	6.58 U	5.56 U	NA	5.79 U	5.33 U
	Silver	100	100	200	200	100	NA	NA	7.37	NA	8.88	1.04	NA	0.62	0.56 U	NA	1.43	2.87	0.58 U	NA	0.80	NA	0.74	1.09	NA	0.79	0.80
	Thallium	8	8	60	60	8	NA	NA	3.70 U	NA	3.50 U	3.26 U	NA	3.14 U	3.31 U	NA	3.40 U	3.59 U	3.47 U	NA	3.28 U	NA	3.95 U	3.34 U	NA	3.48 U	3.20 U
	Vanadium	600	600	1000	1000	600	NA	NA	24.0	NA	18.8	13.4	NA	8.15	6.04	NA	13.8	16.6	11.8	NA	10.4	NA	23.0	12.6	NA	17.5	10.5
	Zinc	2500	2500	3000	3000	2500	NA	NA	759	NA	367	23.5	NA	13.2	37.1	NA	181	404	310	NA	12.3	NA	146	14.8	NA	44.2	14.2

Notes:
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All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
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Values in Bold indicate the compound was detected.
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Values shown in bold and outlined exceed TSCA standard.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Diphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
' = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
* - Depth not available in historical report.

TABLE 2
Summary of Analytical Detected Results for Soil Samples - 102 Greenwood Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						SB-193			SB-194			SB-195				SB-196		
								Sample Date:	6/9/2008	6/9/2008	6/9/2008	6/9/2008	6/9/2008	6/9/2008	6/10/2008	6/10/2008	6/10/2008	6/10/2008	6/10/2008	6/10/2008	6/10/2008
								Sample Depth (ft.):	1	4	10	1	4	9	1	7.5	9	11	1	3.5	8
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA													
PAHs / Dibenzofuran																				
(mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	NA	0.211 U	0.181 U	0.359 U	0.208 U	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Acenaphthylene	600	10	600	10	1	NA	NA	0.244	0.181 U	0.359 U	0.279	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Anthracene	1000	1000	3000	3000	1000	NA	NA	0.211 U	0.181 U	0.359 U	0.413	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	0.211 U	0.181 U	0.359 U	0.757	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	0.211 U	0.181 U	0.359 U	0.467	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	0.211 U	0.181 U	0.359 U	0.800	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA	NA	0.211 U	0.181 U	0.359 U	0.291	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	0.211 U	0.181 U	0.359 U	0.278	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Chrysene	70	70	400	400	70	NA	NA	0.211 U	0.181 U	0.359 U	0.853	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	0.211 U	0.181 U	0.359 U	0.208 U	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	NA	0.211 U	0.181 U	0.359 U	2.30	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Fluorene	1000	1000	3000	3000	1000	NA	NA	0.211 U	0.181 U	0.359 U	0.208 U	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	NA	0.211 U	0.181 U	0.359 U	0.333	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	0.211 U	0.181 U	0.359 U	0.748	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Naphthalene	40	500	40	1000	4	NA	NA	0.525	0.181 U	0.359 U	1.21	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Phenanthrene	500	500	1000	1000	10	NA	NA	0.260	0.181 U	0.359 U	2.00	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Pyrene	1000	1000	3000	3000	1000	NA	NA	0.211 U	0.181 U	0.359 U	1.52	0.182 U	NA	0.233 U	0.185 U	NA	NA	0.172 U	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																				
(mg/kg)	Aroclor 1221	2	2	3	3	2	1	0.0535 U	0.0624 U	0.0528 U	0.108 U	0.576 U	0.0532 U	0.0558 U	0.138 U	0.0546 U	0.0515 U	0.0515 U	0.0507 U	0.0500 U
	Aroclor 1232	2	2	3	3	2	1	0.0535 U	0.0624 U	0.0528 U	0.108 U	0.576 U	0.0532 U	0.0558 U	0.138 U	0.0546 U	0.0515 U	0.0515 U	0.0507 U	0.0500 U
	Aroclor 1016/1242	2	2	3	3	2	1	0.0535 U	0.0624 U	0.0528 U	0.108 U	0.576 U	0.0532 U	0.0558 U	0.138 U	0.0546 U	0.0515 U	0.0515 U	0.0507 U	0.0500 U
	Aroclor 1248	2	2	3	3	2	1	0.0535 U	0.0624 U	0.0528 U	0.108 U	0.576 U	0.0532 U	0.0558 U	0.138 U	0.0546 U	0.0515 U	0.0515 U	0.0507 U	0.0500 U
	Aroclor 1254	2	2	3	3	2	1	0.215 J	0.299 J	0.0528 U	3.02 J	0.576 U	0.0532 U	2.45 J	4.34 J	0.141 J	0.0515 U	0.284 J	0.191 J	0.204 J
	Aroclor 1260	2	2	3	3	2	1	0.0863 J	0.0624 U	0.0528 U	0.108 U	26.6 J	0.0532 U	0.0558 U	0.138 U	0.0546 U	0.0515 U	0.0515 U	0.0507 U	0.0500 U
	Aroclor 1262	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	1	0.3013 J	0.299 J	0.0528 U	3.02 J	26.6 J	0.0532 U	2.45 J	4.34 J	0.141 J	0.0515 U	0.284 J	0.191 J	0.204 J
Metals, total																				
	Arsenic	20	20	20	20	20	NA	NA	14.2	3.72	13.9	11.3	2.73 U	NA	7.70	2.77 U	NA	NA	2.58 U	NA
	Barium	1000	1000	3000	3000	1000	NA	NA	343	19.4	177	227	17.3	NA	183	15.2	NA	NA	12.0	NA
	Beryllium	100	100	200	200	100	NA	NA	0.93	0.28 U	0.38	0.63	0.28 U	NA	0.67	0.28 U	NA	NA	0.26 U	NA
	Cadmium	2	2	30	30	2	NA	NA	0.45	0.28 U	1.52	2.55	0.28 U	NA	1.41	0.28 U	NA	NA	0.26 U	NA
	Chromium	30	30	200	200	30	NA	NA	13.0	8.19	19.6	27.0	6.54	NA	9.73	7.40	NA	NA	2.93	NA
	Lead	300	300	300	300	300	NA	NA	161	3.90	1,030	559	5.02	NA	982	4.43	NA	NA	4.78	NA
	Nickel	20	20	700	700	20	NA	NA	17.8	4.07	13.8	33.8	3.12	NA	11.7	2.84	NA	NA	2.49	NA
	Mercury	20	20	30	30	20	NA	NA	0.079	0.020 U	1.00	0.161	0.024 U	NA	0.201	0.017 U	NA	NA	0.019 U	NA
	Selenium	400	400	800	800	400	NA	NA	6.33 U	5.43 U	5.39 U	6.23 U	5.45 U	NA	6.98 U	5.54 U	NA	NA	5.15 U	NA
	Silver	100	100	200	200	100	NA	NA	1.42	0.77	3.21	9.48	0.55 U	NA	0.70 U	0.56 U	NA	NA	0.52 U	NA
	Thallium	8	8	60	60	8	NA	NA	3.80 U	4.10	3.23 U	3.74 U	3.27 U	NA	4.19 U	3.33 U	NA	NA	3.09 U	NA
	Vanadium	600	600	1000	1000	600	NA	NA	27.9	9.65	16.7	20.7	7.18	NA	18.4	13.4	NA	NA	5.15 U	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	209	15.9	336	182	18.6	NA	367	10.1	NA	NA	12.6	NA

Notes:

(1) Sample identifications in parenthesis denotes identification utilized on figures.

All units in mg/kg unless otherwise specified.

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

mg/L - milligrams per liter

NA - Sample not analyzed for the listed analyte.

ND - Not detected; quantitation limit not available in historical data.

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 Method I standards or TCLP standard, as applicable.

Values shown in bold and outlined exceed TSCA standard.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

RC - Reportable Concentration.

TSCA - Toxic Substances Control Act criteria.

Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.

[1] = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.

* - Depth not available in historical report.

TABLE 3
Summary of Analytical Detected Results for Soil Samples - 111 Greenwood Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						111 Comp 1 (111-GW-COM-1-S,M, and D)					111 Comp 2 (111-GW-COM-2-S,M,and D)			111 Comp 3 (111-GW-COM-3-S, and M)		111 Comp 4 (111-GW-COM-4-S,M, and D)				111 Comp 5 (111-GW-COM-5-S,M,and D)			111 Comp 6 (111-GW-COM-6-S, and M)		111 Greenwood Front Comp (111-GW-F-COMP)	111 Greenwood Rear Comp (111-GW-R-COMP)
								Sample Date:	12/15/2005	12/15/2005		12/15/2005	12/15/2005			12/15/2005	12/15/2005	12/15/2005	12/15/2005			12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	2/6/2006	2/6/2006
								Sample Depth (ft.):	0-3	3-6		3-6[1]	6-native	0-3	3-6	6-native	0-3	3-6	0-3	3-6	3-6[1]	6-native	0-3	3-6	6-native	0-3	3-6	0-0.5	0-0.5
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA		(S)	(M)	Field Dup	(M)	(D)	(S)	(M)	(D)	(S)	(M)	(S)	(M)	(M)	(D)	(S)	(M)	(D)	(S)	(M)		
VOCs																													
	Trichloroethene	2	90	2	700	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1000	1000	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1000	1000	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs / Dibenzofuran																													
(mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	0.057 U	0.063 U	NA	ND	0.064 U	0.06 U	0.075	NA	0.092	0.066 U	0.054 U	0.058 U	ND	1.3	0.059 U	0.065 U	0.062 U	0.059 U	0.35	0.06	0.062 U
	Acenaphthylene	600	10	600	10	1	NA	0.057 U	0.063 U	NA	ND	0.064 U	0.081	0.066 U	NA	0.075	0.066 U	0.11	0.058 U	ND	0.069 U	0.083	0.065 U	0.062 U	0.12	0.34	0.14	0.063
	Anthracene	1000	1000	3000	3000	1000	NA	0.14	0.063 U	NA	ND	0.064 U	0.06 U	0.13	NA	0.38	0.066 U	0.18	0.061	ND	2.6	0.13	0.065 U	0.062 U	0.2	0.83	0.34	0.15
	Benzo(a)anthracene	7	7	40	40	7	NA	0.57	0.16	NA	0.55	0.11	0.27	0.5	NA	0.94	0.12	0.48	0.19	ND	7.0	0.33	0.065 U	0.085	0.42	1.7	1.4	0.59
	Benzo(a)pyrene	2	2	4	4	2	NA	0.64	0.22	NA	0.55	0.13	0.36	0.58	NA	0.76	0.12	0.42	0.19	ND	5.4	0.36	0.065	0.099	0.36	1.6	1.2	0.49
	Benzo(b)fluoranthene	7	7	40	40	7	NA	1	0.5	NA	0.7	0.26	0.66	1.1	NA	1.2	0.29	0.56	0.26	ND	7.0	0.47	0.066	0.14	0.5	2.2	1.2	0.38
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA	0.27	0.21	NA	ND	0.072	0.18	0.23	NA	0.28	0.074	0.18	0.091	ND	1.8	0.31	0.065 U	0.081	0.18	0.75	0.75	0.32
	Benzo(k)fluoranthene	70	70	400	400	70	NA	0.22	0.084	NA	ND	0.064 U	0.12	0.19	NA	0.28	0.066 U	0.2	0.08	ND	2.3	0.14	0.065 U	0.062 U	0.14	0.72	0.72	0.41
	Chrysene	70	70	400	400	70	NA	0.47	0.14	NA	ND	0.099	0.22	0.45	NA	0.79	0.097	0.4	0.17	ND	5.3	0.29	0.065 U	0.075	0.39	1.4	1.2	0.48
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	0.089	0.063 U	NA	ND	0.064 U	0.06 U	0.085	NA	0.1	0.066 U	0.062	0.058 U	ND	0.75	0.076	0.065 U	0.062 U	0.059 U	0.2	0.2	0.084
	Fluoranthene	1000	1000	3000	3000	1000	NA	1.5	0.26	NA	1	0.22	0.53	1.4	NA	2.6	0.22	0.98	0.41	0.42	8.0	0.78	0.098	0.14	0.84	3.6	3	1.2
	Fluorene	1000	1000	3000	3000	1000	NA	0.057 U	0.063 U	NA	ND	0.064 U	0.06 U	0.066 U	NA	0.15	0.066 U	0.054 U	0.058 U	ND	0.98	0.059 U	0.065 U	0.062 U	0.059 U	0.37	0.061	0.062 U
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	0.29	0.2	NA	ND	0.079	0.2	0.26	NA	0.31	0.082	0.2	0.1	ND	2.4	0.31	0.065 U	0.074	0.19	0.82	0.68	0.28
	2-Methylnaphthalene	80	300	80	500	0.7	NA	0.057 U	0.063 U	NA	ND	0.064 U	0.06 U	0.066 U	NA	0.079	0.066 U	0.054 U	0.058 U	ND	0.24	0.059 U	0.065 U	0.062 U	0.059 U	0.17	0.06 U	0.062 U
	Naphthalene	40	500	40	1000	4	NA	0.057 U	0.063 U	NA	ND	0.064 U	0.06 U	0.066 U	NA	0.057	0.066 U	0.054 U	0.058 U	ND	0.69	0.059 U	0.065 U	0.062 U	0.059 U	0.38	0.06 U	0.062 U
	Phenanthrene	500	500	1000	1000	10	NA	0.71	0.16	NA	0.6	0.12	0.15	0.71	NA	3	0.14	0.64	0.23	ND	7.0	0.48	0.065 U	0.082	0.91	3.5	1.3	0.54
	Pyrene	1000	1000	3000	3000	1000	NA	1.9	0.44	NA	0.91	0.37	0.98	1.4	NA	2.5	0.42	0.79	0.32	ND	9.5	0.87	0.12	0.18	1.1	2.9	2.8	1.4
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.06 U	0.062 U
PCBs																													
(mg/kg)	Aroclor 1221	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.012 U
	Aroclor 1232	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	0.025 U
	Aroclor 1016/1242	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.012 U
	Aroclor 1248	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.012 U
	Aroclor 1254	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.431	0.234
	Aroclor 1260	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.291	0.216
	Aroclor 1262	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.012 U
	Aroclor 1268	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	0.012 U
	Total PCBs	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.722	0.45
Metals, total																													
	Arsenic	20	20	20	20	20	NA	6.7	15	13	13	11	6.54	18	NA	11	11	4.01	4.85	4.7	21	3.79	14	5.8	5.1	11	4.43	4.26
	Barium	1000	1000	3000	3000	1000	NA	171	190	193	480	72	157	389	NA	1070	247	54	52	58	183	84	121	116	95	262	68	65
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	1.46	2.89	7.43	1.9	1.67	1.82 U	6.06	NA	1.57 U	1.84	0.84	0.72	ND	2.47	0.93	1.29	1.45	1.58	3.9	0.81	0.97
	Chromium	30	30	200	200	30	NA	9.78	13	14	25	21	11	31	NA	37	13	11	10	ND	18	12	11	17	14	28	9.9	11
	Lead	300	300	300	300	300	NA	314	670	499	740	342	822	849	NA	217	1510	178	96	93	320	299	377	455	368	781	273	937
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	0.501	0.947	0.771	0.34	0.2	0.247	0.518	NA	0.156	0.149	0.289	0.102	0.13	0.274	0.29	0.279	2.25	0.273	1.22	0.189	0.222
	Selenium	400	400	800	800	400	NA	0.77 U	4.13 U	7.43 D	ND	0.76 U	3.64 U	4.04 U	NA	3.13 U	3.69 U	0.65 U	0.72 U	ND	1.11	0.77 U	1.2	0.81 U	1.29	1.56	0.51	0.72
	Silver	100	100	200	200	100	NA	0.39 U	2.06	3.72 U	ND	0.38 U	4.36	2.02 U	NA	1.57 U	1.84 U	0.32 U	0.36 U	ND	0.43 U	0.39 U	0.43 U	0.4 U	0.36 D	0.35 U	ND	ND
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP																													
(mg/L)	Lead, TCLP	NS	NS	NS	NS	NS	5.0[5]	0.4	0.7	0.4	NA	0.2	1.4	0.5	NA	0.1	1.5	0.1 U	NA	NA	0.15	0.34	0.34	0.35	0.28	1.22	ND	ND
Total Petroleum Hydrocarbons																													
(mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA	81	40	NA	NA	33	54	92	NA	66	65	72	37	NA	39	104	36	55	56	167	NA	NA
	Gasoline Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
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All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
U - Compound was not detected at specified quantitation limit.
Values in Bold indicate the compound was detected.
Values shown in Bold and shaded light red indicate one or more of the listed Method Detection or RL Polentials, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, IHTA Group, Inc.
[1] = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
[5] = Depth not available in historical report.

TABLE 3
Summary of Analytical Detected Results for Soil Samples - 111 Greenwood Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						E.5-6 (E_56)			E.5-7 (E_57)			E.5-8 (E_58)			E.5-9 (E_59)			E.5-10 (E_510)		F.5-6 (F_56)			F.5-7 (F_57)			F.5-8 (F_58)	
		Sample Date:						12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005	12/19/2005
		Sample Depth (ft.):						0.5-3	3-6	6-7	1-3	3-6	6-7	1-3	3-6	6-7	2-3	3-6	6-7	2-3	3-6	1-3	3-6	6-7	1-3	3-6	6-7.5	1-3	3-6
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA																						
VOCs																													
	Trichloroethene	2	90	2	700	0.3	NA	NA	NA	NA	0.03 U	0.029 U	NA	NA	0.061 U	0.068 U	0.054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	NA	NA	NA	0.15 U	0.14 U	NA	NA	0.31 U	0.34 U	0.27 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1000	1000	30	NA	NA	NA	NA	0.03 U	0.029 U	NA	NA	0.061 U	0.068 U	0.054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	NA	NA	NA	NA	**0.11**	**0.15**	NA	NA	**1.7**	**0.24**	**0.24**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	NA	NA	NA	0.03 U	0.029 U	NA	NA	0.061 U	0.068 U	0.054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1000	1000	40	NA	NA	NA	NA	0.03 U	0.029 U	NA	NA	0.061 U	0.068 U	0.054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1000	300	NA	NA	NA	NA	0.06 U	0.057 U	NA	NA	0.12 U	0.14 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	0.03 U	0.029 U	NA	NA	0.061 U	0.068 U	0.054 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs / Dibenzofuran																													
(mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	NA	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	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	NA	NA	NA	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	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																													
(mg/kg)	Aroclor 1221	2	2	3	3	2	1	0.247 U	0.252 U	0.276 U	0.242 U	0.233 U	0.309 U	0.224 U	ND	0.224 U	0.264 U	0.262 U	0.275 U	0.212 U	0.233 U	0.255 U	0.228 U	0.382 U	0.242 U	0.246 U	0.261 U	0.232 U	0.245 U
	Aroclor 1232	2	2	3	3	2	1	0.123 U	0.126 U	0.138 U	0.121 U	0.116 U	0.155 U	0.112 U	ND	0.112 U	0.132 U	0.131 U	0.137 U	0.106 U	0.116 U	0.128 U	0.114 U	0.191 U	0.121 U	0.123 U	0.131 U	0.116 U	0.122 U
	Aroclor 1016/1242	2	2	3	3	2	1	0.123 U	0.126 U	0.138 U	0.121 U	0.116 U	0.155 U	0.112 U	ND	0.112 U	0.132 U	0.131 U	0.137 U	0.106 U	0.116 U	0.128 U	0.114 U	0.191 U	0.121 U	0.123 U	0.131 U	0.116 U	0.122 U
	Aroclor 1248	2	2	3	3	2	1	0.123 U	0.126 U	0.138 U	0.121 U	0.116 U	0.155 U	0.112 U	ND	0.112 U	0.132 U	0.131 U	0.137 U	0.106 U	0.116 U	0.128 U	0.114 U	0.191 U	0.121 U	0.123 U	0.131 U	0.116 U	0.122 U
	Aroclor 1254	2	2	3	3	2	1	0.123 U	0.126 U	0.138 U	0.121 U	0.116 U	0.155 U	0.112 U	ND	0.112 U	0.132 U	0.131 U	0.137 U	0.106 U	0.116 U	0.128 U	0.114 U	0.191 U	0.121 U	0.123 U	0.131 U	0.116 U	0.122 U
	Aroclor 1260	2	2	3	3	2	1	**0.666**	0.126 U	0.138 U	**0.419**	**0.838**	**0.167**	**0.654**	**0.547**	0.112 U	**0.518**	**0.108**	**0.485**	0.106 U	0.116 U	**0.374**	0.114 U	**0.264**	**0.562**	**1.24**	**1.048**	**0.474**	0.122 U
	Aroclor 1262	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.08**	0.116 U	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.106 U	0.116 U	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	1	**0.666**	0.252 U	0.276 U	**0.419**	**0.838**	**0.167**	**0.654**	**0.547**	0.224 U	**0.518**	**0.108**	**0.485**	**1.08**	0.233 U	**0.374**	0.228 U	**0.264**	**0.562**	**1.24**	**1.048**	**0.474**	0.245 U
Metals, total																													
	Arsenic	20	20	20	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP																													
(mg/L)	Lead, TCLP	NS	NS	NS	NS	NS	5.0[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																													
(mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	146	NA	74	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Gasoline Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	10.6	NA	8.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(1) Sample identifications in parenthesis denotes identification utilized on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
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 Method 1 standards for GW-1 Potential, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polycyclic Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
[5] = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
* - Depth not available in historical report.

TABLE 3
Summary of Analytical Detected Results for Soil Samples - 111 Greenwood Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						F-5-9 (F_59)				F-5-10 (F_510)		G5.75 (G5_75)			G9		G10			H5.75 (H5_75)			H9		
								Sample Date:	12/19/2005	12/19/2005	12/19/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/19/2005	12/19/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005
								Sample Depth (ft.):	0.5-3	1-3[4]	3-6	6-7	0.5-3	3-6	0.5-3	3-6	6-9	3-6	3-6[4]	1-3	3-6	6-9	0.5-3	3-6	6-7.75	0.5-3	3-6	6-9
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA																				
VOCs																											
	Trichloroethene	2	90	2	700	0.3	NA	NA	NA	NA	NA	0.082 U	NA	0.053 U	NA	NA	NA	NA	NA	0.048 U	0.035 U	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	NA	NA	NA	NA	0.41 U	NA	0.27 U	NA	NA	NA	NA	NA	0.24 U	0.17 U	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1000	1000	30	NA	NA	NA	NA	NA	0.3	NA	0.053 U	NA	NA	NA	NA	NA	0.048 U	0.035 U	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	NA	NA	NA	NA	NA	0.082 U	NA	0.96	NA	NA	NA	NA	NA	0.048 U	0.035 U	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	NA	NA	NA	NA	0.082 U	NA	0.053 U	NA	NA	NA	NA	NA	0.048 U	0.035 U	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1000	1000	40	NA	NA	NA	NA	NA	0.084	NA	0.053 U	NA	NA	NA	NA	NA	0.048 U	0.035 U	NA	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1000	300	NA	NA	NA	NA	NA	0.38	NA	0.11 U	NA	NA	NA	NA	NA	0.096 U	0.069 U	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	0.082 U	NA	0.053 U	NA	NA	NA	NA	NA	0.048 U	0.035 U	NA	NA	NA	NA	NA	NA
PAHs / Dibenzofuran																											
(mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	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	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	NA	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	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																											
(mg/kg)	Aroclor 1221	2	2	3	3	2	1	0.218 U	0.243 U	0.23 U	0.261 U	0.2 U	0.8 U	0.2 U	0.2 U	0.2 U	0.236 U	ND	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
	Aroclor 1232	2	2	3	3	2	1	0.109 U	0.121 U	0.115 U	0.13 U	0.1 U	0.4 U	0.1 U	0.1 U	0.1 U	0.118 U	ND	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
	Aroclor 1016/1242	2	2	3	3	2	1	0.109 U	0.121 U	0.115 U	0.13 U	0.1 U	0.4 U	0.1 U	0.1 U	0.1 U	0.118 U	ND	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
	Aroclor 1248	2	2	3	3	2	1	0.109 U	0.121 U	0.115 U	0.13 U	0.1 U	0.4 U	0.1 U	0.1 U	0.1 U	0.118 U	ND	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
	Aroclor 1254	2	2	3	3	2	1	0.109 U	0.121 U	0.115 U	0.13 U	0.1 U	1.668	0.1 U	0.1 U	0.1 U	0.118 U	ND	0.1 U	0.1 U	0.1 U	0.1 U	0.251	0.218	0.1 U	0.1 U	0.1 U
	Aroclor 1260	2	2	3	3	2	1	0.278	0.121 U	0.43	0.538	0.1 U	0.4 U	0.374	0.1 U	0.1 U	0.246	0.12	0.773	1.229	0.538	0.474	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
	Aroclor 1262	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	1	0.278	0.243 U	0.43	0.538	0.2 U	1.668	0.374	0.2 U	0.2 U	0.246	0.12	0.773	1.229	0.538	0.474	0.251	0.218	0.2 U	0.2 U	0.2 U
Metals, total																											
	Arsenic	20	20	20	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP																											
(mg/L)	Lead, TCLP[3]	NS	NS	NS	NS	NS	5.0[5]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																											
(mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Gasoline Ranee Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(1) Sample identifications in parenthesis denotes identification utilized on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
U - Compound was not detected at specified quantitation limit.
Values in bold indicate the compound was detected.
Values shown in [illegible] and shaded type exceed one or more of the
listed Method 1 standards or 10 x the standard, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polycyclic Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
[3] = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
[4] - Depth not available in historical report.

TABLE 3
Summary of Analytical Detected Results for Soil Samples - 111 Greenwood Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						H10			I5.75 (I5_75)		I7				I8		I9			I10		
								12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005	12/15/2005
								0.5-3	3-6	3-6[1]	0.75-3	3-6	0.5-3	3-6	3-6 Field Dup	6-8.5	0.5-3	3-6.5	1-3	1-3[1]	3-6.5	1.25-3	1.25-3 Field Dup	3-7
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA																	
VOCs	Trichloroethene	2	90	2	700	0.3	NA	NA	0.044 U	NA	NA	NA	NA	0.062 U	NA	NA	0.038 U	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	NA	0.22 U	NA	NA	NA	NA	0.31 U	NA	NA	0.19 U	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1000	1000	30	NA	NA	0.044 U	NA	NA	NA	NA	0.062 U	NA	NA	0.038 U	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	NA	NA	**0.42**	NA	NA	NA	NA	**0.19**	NA	NA	0.038 U	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	NA	0.044 U	NA	NA	NA	NA	0.062 U	NA	NA	0.038 U	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1000	1000	40	NA	NA	0.044 U	NA	NA	NA	NA	0.062 U	NA	NA	0.038 U	NA	NA	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1000	300	NA	NA	0.089 U	NA	NA	NA	NA	0.12 U	NA	NA	0.076 U	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	0.044 U	NA	NA	NA	NA	0.062 U	NA	NA	0.038 U	NA	NA	NA	NA	NA	NA	NA
PAHs / Dibenzofuran																								
(mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	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	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																								
(mg/kg)	Aroclor 1221	2	2	3	3	2	1	0.2 U	0.2 U	ND	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	ND	0.2 U	0.2 U	0.2 U	0.2 U
	Aroclor 1232	2	2	3	3	2	1	0.1 U	0.1 U	ND	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	ND	0.1 U	0.1 U	0.1 U	0.1 U
	Aroclor 1016/1242	2	2	3	3	2	1	0.1 U	0.1 U	ND	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	ND	0.1 U	0.1 U	0.1 U	0.1 U
	Aroclor 1248	2	2	3	3	2	1	0.1 U	0.1 U	ND	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	ND	0.1 U	0.1 U	0.1 U	0.1 U
	Aroclor 1254	2	2	3	3	2	1	0.1 U	0.1 U	ND	0.1 U	0.1 D	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	ND	0.1 U	0.1 U	0.1 U	0.1 U
	Aroclor 1260	2	2	3	3	2	1	0.1 U	0.1 U	ND	**1.216**	0.1 U	**0.233**	0.1 U	**0.634**	0.1 U	**0.533**	0.1 U	0.1 U	**0.13**	0.1 U	**0.229**	**0.322**	0.1 U
	Aroclor 1262	2	2	3	3	2	1	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1268	2	2	3	3	2	1	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	1	0.2 U	0.2 U	ND	**1.216**	0.2 U	**0.233**	0.2 U	**0.634**	0.2 U	**0.533**	0.2 U	0.2 U	**0.13**	0.2 U	**0.229**	**0.322**	0.2 U
Metals, total																								
	Arsenic	20	20	20	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP																								
(mg/L)	Lead, TCLP	NS	NS	NS	NS	NS	5.0[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																								
(mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Gasoline Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(1) Sample identifications in parenthesis denotes identification utilized on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
U - Compound was not detected at specified quantitation limit.
Values in Bold indicate the compound was detected.
[redacted]
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polycyclic Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
[1] = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
* - Depth not available in historical report.

TABLE 4
Summary of Analytical Detected Results for Soil Samples - 98 Ruggles Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						98 Comp 1 (98-RUG-COM-1-S,M,and D)			98 Comp 2 (98-RUG-COM-2-S,M, and D)			98 Comp 3 (98-RUG-COM-3-S, and M)		A2	A3			A4		
		Sample Date:						6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006
		Sample Depth (ft.):						0-3	3-6	6-native	0-3	3-6	6-native	0-3	3-6	0.5-3	0.5-3	3-7	7-10	0.5-3	3-6	6-8
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA	(S)	(M)	(D)	(S)	(M)	(D)	(S)	(M)							
PAHs / Dibenzofuran																						
(mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	0.28 U	0.32 U	0.3 U	0.35 U	0.29 U	0.33 U	0.29 U	0.8	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	0.28 U	1	0.59	0.35 U	0.29 U	0.33 U	0.41	0.38	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	0.86	2.6	1.6	0.44	0.29 U	0.57	1.2	2.4	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	1.7	5.1	3.3	1.1	0.49	1.1	1.8	6.5	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	1.4	5.3	3.2	1.1	0.52	1.1	1.5	6.1	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	1.9	7.1	5	1.6	0.74	2.1	2	9	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA	0.73	2	1.2	0.42	0.31	0.66	0.55	2.1	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	0.65	2.3	1.3	0.49	0.29 U	0.57	0.65	2.9	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	1.4	3.9	2.6	0.93	0.45	0.88	1.5	5.4	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	0.28 U	0.7	0.46	0.35 U	0.29 U	0.33 U	0.29 U	0.88	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	3.9	14	8.8	2.2	1.1	2.1	3.5	15	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	NA	0.34	1	0.64	0.35 U	0.29 U	0.33 U	0.29 U	0.91	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	0.85	2.5	1.5	0.51	0.29 U	0.72	0.66	2.5	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	0.28 U	0.32 U	0.3 U	0.35 U	0.29 U	0.33 U	0.29 U	0.29 U	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	0.28 U	0.32 U	0.3 U	0.35 U	0.29 U	0.33 U	0.29 U	0.29 U	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	3.4	12	7.6	1.4	0.84	1.9	2.5	10	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	3.1	11	7	1.9	0.96	1.7	3.7	12	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	0.28 U	0.55	0.37	0.35 U	0.29 U	0.33 U	0.29 U	0.39	NA	NA	NA	NA	NA	NA	NA
PCBs																						
(mg/kg)	Aroclor 1221	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	0.114 U	0.12 U	0.114 U	0.134 U	0.153 U	0.101 U	0.123 U
	Aroclor 1232	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	0.114 U	0.12 U	0.114 U	0.134 U	0.153 U	0.101 U	0.123 U
	Aroclor 1016/1242	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	0.114 U	0.12 U	0.114 U	0.134 U	0.153 U	0.101 U	0.123 U
	Aroclor 1248	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	0.114 U	0.12 U	0.114 U	0.134 U	0.153 U	0.101 U	0.123 U
	Aroclor 1254	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	0.114 U	1.09	0.398	13.3	4.28	1.2	0.865
	Aroclor 1260	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	0.235	0.12 U	0.114 U	0.134 U	0.153 U	0.101 U	0.123 U
	Aroclor 1262	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	0.114 U	0.593	0.114 U	0.134 U	0.153 U	0.406	0.123 U
	Aroclor 1268	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	0.114 U	0.12 U	0.114 U	0.134 U	0.153 U	0.101 U	0.123 U
	Total PCBs	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	0.235	1.683	0.398	13.3	4.28	1.606	0.865
Metals, total																						
	Arsenic	20	20	20	20	20	NA	3.86	22	23	34	16	16	5.52	13	NA	NA	NA	NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	237	234	325	440	226	338	124	441	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	1.07	6.67	4.47	5.24	2.95	5.13	1.35	3.52	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA	12	31	54	60	23	28	20	24	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	NA	404	566	2460	646	857	1190	225	1990	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	0.281	0.311	1.44	1.28	0.642	1.02	0.315	2.7	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA	0.71 U	0.82 U	0.74 U	0.94 U	0.76 U	0.9 U	0.79 U	0.77 U	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	NA	0.36	0.58	0.52	0.66	0.46	0.81	0.39 U	2.07	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(1) Sample identifications in parenthesis denotes identification utilized on figures.
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PAHs - Polynuclear Aromatic Hydrocarbons.
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Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, DETA Group, Inc.
[1] = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
[2] - Depth not available in historical report.

TABLE 4
Summary of Analnytical Detected Results for Soil Samples - 98 Ruggles Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						A5.75 (A5_75)			A5				B2	B5.75 (B5_75)			C1.3 (C1_3)	C2		C5.25 (C5_25)		
		Sample Date:						6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006
		Sample Depth (ft.):						0.5-3	3-7	7-10	0.5-3	3-7	3-7 Field Dup	7-10	1-5	0.5-3	3-7	7-10	0.5-3	3-6	3-6 Field Dup	0.5-3	3-7	7-10
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA																	
PAHs / Dibenzofuran																								
(mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	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	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																								
(mg/kg)	Aroclor 1221	2	2	3	3	2	1	0.13 U	0.136 U	0.138 U	0.116 U	NA	0.122 U	0.148 U	0.109 U	0.123 U	0.127 U	0.12 U	0.109 U	NA	0.101 U	0.124 U	0.121 U	0.133 U
	Aroclor 1232	2	2	3	3	2	1	0.13 U	0.136 U	0.138 U	0.116 U	NA	0.122 U	0.148 U	0.109 U	0.123 U	0.127 U	0.12 U	0.109 U	NA	0.101 U	0.124 U	0.121 U	0.133 U
	Aroclor 1016/1242	2	2	3	3	2	1	0.13 U	0.136 U	0.138 U	0.116 U	NA	0.122 U	0.148 U	0.109 U	0.123 U	0.127 U	0.12 U	0.109 U	NA	0.101 U	0.124 U	0.121 U	0.133 U
	Aroclor 1248	2	2	3	3	2	1	0.13 U	0.136 U	0.138 U	0.116 U	NA	0.122 U	0.148 U	0.109 U	0.123 U	0.127 U	0.12 U	0.109 U	NA	0.101 U	0.124 U	0.121 U	0.133 U
	Aroclor 1254	2	2	3	3	2	1	1.08	0.136 U	0.138 U	1.21	NA	0.122 U	0.165	0.109 U	2.26	0.127 U	0.12 U	0.109 U	NA	0.101 U	1.39	0.121 U	0.687
	Aroclor 1260	2	2	3	3	2	1	0.13 U	0.187	0.288	0.116 U	NA	1.13	0.148 U	0.109 U	0.123 U	0.616	0.992	0.109 U	NA	0.752	0.124 U	0.515	0.133 U
	Aroclor 1262	2	2	3	3	2	1	0.288	0.136 U	0.138 U	0.116 U	NA	0.122 U	0.148 U	0.109 U	0.772	0.127 U	0.12 U	0.109 U	NA	0.101 U	0.124 U	0.121 U	0.133 U
	Aroclor 1268	2	2	3	3	2	1	0.13 U	0.136 U	0.138 U	0.116 U	NA	0.122 U	0.148 U	0.109 U	0.123 U	0.127 U	0.12 U	0.109 U	NA	0.101 U	0.124 U	0.121 U	0.133 U
	Total PCBs	2	2	3	3	2	1	1.368	0.187	0.288	1.21	NA	1.13	0.165	0.109 U	3.032	0.616	0.992	0.109 U	0.752	0.752	1.39	0.515	0.687
Metals, total																								
	Arsenic	20	20	20	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(1) Sample identifications in parenthesis denotes identification utilized on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
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 Method 1 standards or TCLP standard, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BSTA Group, Inc.
[1] = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
* - Depth not available in historical report.

TABLE 4
Summary of Analaytical Detected Results for Soil Samples - 98 Ruggles Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						C5.75 (C5_75)		D1.3 (D1_3)	D5.25 D5.25			K1.3 (K1_3)		K5.5 (K5_5)		L1.3 (L1_3)		M1.3 (M1_3)	
		Sample Date:						6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006	6/20/2006
		Sample Depth (ft.):						3-5	5-8	0.5-3	0.5-3	3-7	7-10	0.5-3	7.5-8	0.5-3	5-7	1-4	9-10	3-4	7.5-8
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA														
PAHs / Dibenzofuran																					
(mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																					
(mg/kg)	Aroclor 1221	2	2	3	3	2	1	0.117 U	0.12 U	0.107 U	0.124 U	0.138 U	0.137 U	0.1 U	0.13 U	0.117 U	0.117 U	0.108 U	0.111 U	0.108 U	0.113 U
	Aroclor 1232	2	2	3	3	2	1	0.117 U	0.12 U	0.107 U	0.124 U	0.138 U	0.137 U	0.1 U	0.13 U	0.117 U	0.117 U	0.108 U	0.111 U	0.108 U	0.113 U
	Aroclor 1016/1242	2	2	3	3	2	1	0.117 U	0.12 U	0.107 U	0.124 U	0.138 U	0.137 U	0.1 U	0.13 U	0.117 U	0.117 U	0.108 U	0.111 U	0.108 U	0.113 U
	Aroclor 1248	2	2	3	3	2	1	0.117 U	0.12 U	0.107 U	0.124 U	0.138 U	0.137 U	0.1 U	0.13 U	0.117 U	0.117 U	0.108 U	0.111 U	0.108 U	0.113 U
	Aroclor 1254	2	2	3	3	2	1	0.117 U	0.12 U	**0.2**	**3.29**	0.138 U	**0.54**	0.1 U	**5.15**	0.117 U	0.117 U	**0.141**	**0.552**	**0.179**	**12.4**
	Aroclor 1260	2	2	3	3	2	1	**0.126**	**0.158**	0.107 U	0.124 U	**0.145**	0.137 U	0.1 U	0.13 U	0.117 U	0.117 U	0.108 U	0.111 U	0.108 U	0.113 U
	Aroclor 1262	2	2	3	3	2	1	0.117 U	0.12 U	0.107 U	**0.784**	0.138 U	0.137 U	0.1 U	0.13 U	0.117 U	0.117 U	0.108 U	0.111 U	0.108 U	0.113 U
	Aroclor 1268	2	2	3	3	2	1	0.117 U	0.12 U	0.107 U	0.124 U	0.138 U	0.137 U	0.1 U	0.13 U	0.117 U	0.117 U	0.108 U	0.111 U	0.108 U	0.113 U
	Total PCBs	2	2	3	3	2	1	**0.126**	**0.158**	**0.2**	**4.074**	**0.145**	**0.54**	0.1 U	**5.15**	0.117 U	0.117 U	**0.141**	**0.552**	**0.179**	**12.4**
Metals, total																					
	Arsenic	20	20	20	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(1) Sample identifications in parenthesis denotes identification utilized on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
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 Method 1 standards or TCLP standard, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
1 = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
* - Depth not available in historical report.

TABLE 5
Summary of Analytical Detected Results for Soil Samples - 108 Ruggles Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						108 Comp 1 (108-RUG-COM-1-S,M, and D)			108 Comp 2 (108-RUG-COM-2-S,M, and D)				108 Comp 3 (108-RUG-COM-3-S,M,and D)			108 Comp 4 (108-RUG-COM-4-S,M, and D)			108 Comp 5 (108-RUG-COM-5-S,M, and D)			108 Ruggles Front (108-RUG-FRONT)	108 Ruggles Front Comp (108-RUG-F-COMP)		108 Ruggles Rear (108-RUG-REAR)		108 Ruggles Rear Comp (108-RUG-REAR)
		Sample Date:						12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	2/6/2006	2/6/2006	2/6/2006	2/6/2006	2/6/2006	2/6/2006
		Sample Depth (ft.):						0-3	3-6	6-native	0-3	0-3	3-6	6-native	0-3	3-6	6-native	0-3	3-6	6-native	0-3	3-6	6-native	0-0.5	0-0.5	0-2.5	0-0.5	0-0.5 Field Dup	*
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RCS-1	TSCA	(S)	(M)	(D)	(S)	Field Dup	(M)	(D)	(S)	(M)	(D)	(S)	(M)	(D)	(S)	(M)	(D)						
VOCs																													
	Trichloroethene	2	90	2	700	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1000	1000	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1000	1000	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs / Dibenzofuran																													
(mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	0.058 U	2.3	0.37	1.4	NA	0.057 U	0.61 U	0.062 U	0.06 U	0.071 U	0.063 U	0.06 U	0.09 U	NA	0.9	0.16	NA	0.380	0.071 U	NA	NA	0.061 U
	Acenaphthylene	600	10	600	10	1	NA	0.13	0.58 U	0.085 U	0.6 U	NA	0.069	0.61 U	0.084	0.07	0.11	0.083	0.06 U	0.09 U	NA	3.2	0.69	NA	0.130	0.073 U	NA	NA	0.061 U
	Anthracene	1000	1000	3000	3000	1000	NA	0.17	6.5	0.67	4.1	NA	0.098	0.61 U	0.17	0.17	0.12	0.12	0.08	0.09 U	NA	6	0.93	NA	0.670	0.140	NA	NA	0.180
	Benzo(a)anthracene	7	7	40	40	7	NA	0.63	12	1.2	7.3	NA	0.37	0.61 U	0.45	0.41	0.34	0.37	0.23	0.09 U	NA	7.6	2.1	NA	1.50	0.440	NA	NA	0.610
	Benzo(a)pyrene	2	2	4	4	2	NA	0.66	6.9	1	3.7	NA	0.35	0.61 U	0.49	0.44	0.32	0.38	0.24	0.09 U	NA	7	1.8	NA	1.30	0.390	NA	NA	0.500
	Benzo(b)fluoranthene	7	7	40	40	7	NA	0.95	9.4	1.6	5.6	NA	0.53	0.61 U	0.59	0.49	0.43	0.57	0.3	0.12	NA	9.4	2.7	NA	1.30	0.350	NA	NA	0.440
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA	0.25	3.1	0.38	1.5	NA	0.12	0.61 U	0.37	0.32	0.29	0.13	0.13	0.09 U	NA	2	0.54	NA	0.870	0.230	NA	NA	0.350
	Benzo(k)fluoranthene	70	70	400	400	70	NA	0.17	2.7	0.43	1.6	NA	0.14	0.61 U	0.23	0.24	0.16	0.15	0.079	0.09 U	NA	2.7	0.66	NA	1.00	0.290	NA	NA	0.390
	Chrysene	70	70	400	400	70	NA	0.54	9.3	0.84	5.9	NA	0.32	0.61 U	0.38	0.35	0.28	0.31	0.21	0.09 U	NA	5.6	1.4	NA	1.60	0.400	NA	NA	0.490
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	0.063	0.9	0.13	0.6 U	NA	0.057 U	0.61 U	0.12	0.097	0.11	0.063 U	0.06 U	0.09 U	NA	0.63 U	0.22	NA	0.290	0.073 U	NA	NA	0.096
	Fluoranthene	1000	1000	3000	3000	1000	NA	1.2	32	2.4	23	NA	0.82	1.1	1.1	0.93	0.6	0.89	0.58	0.13	NA	23	3.5	NA	5.60	0.900	NA	NA	1.5
	Fluorene	1000	1000	3000	3000	1000	NA	0.058 U	2.4	0.43	1.3	NA	0.057 U	0.61 U	0.062 U	0.06 U	0.071 U	0.063 U	0.06 U	0.09 U	NA	2.9	0.3	NA	0.390	0.073 U	NA	NA	0.084
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	0.28	3.5	0.46	1.7	NA	0.14	0.61 U	0.42	0.35	0.32	0.15	0.14	0.09 U	NA	2.3	0.72	NA	0.920	0.220	NA	NA	0.300
	2-Methylnaphthalene	80	300	80	500	0.7	NA	0.058 U	0.58 U	0.19	0.6 U	NA	0.057 U	0.61 U	0.062 U	0.06 U	0.071 U	0.063 U	0.06 U	0.09 U	NA	0.63 U	0.092 U	NA	0.067	0.073 U	NA	NA	0.061 U
	Naphthalene	40	500	40	1000	4	NA	0.058 U	1.5	0.65	0.6 U	NA	0.057 U	0.61 U	0.062 U	0.06 U	0.071 U	0.063 U	0.06 U	0.09 U	NA	1.1	0.092 U	NA	0.310	0.073 U	NA	NA	0.061 U
	Phenanthrene	500	500	1000	1000	10	NA	0.73	29	2.7	17	NA	0.4	1.1	0.69	0.56	0.34	0.49	0.41	0.09 U	NA	35	1.4	NA	4.60	0.320	NA	NA	0.840
	Pyrene	1000	1000	3000	3000	1000	NA	1.1	20	1.7	14	NA	0.68	0.68	1	0.91	0.57	0.64	0.46	0.11	NA	14	2.2	NA	5.00	1.10	NA	NA	1.3
	Dibenzofuran	NS	NS	NS	NS	100	NA	ND	1.5	0.31	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	2.4	0.19	NA	0.200	0.073 U	NA	NA	0.061 U
PCBs																													
(mg/kg)	Aroclor 1221	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	NA	0.014 U	0.012 U	ND	NA
	Aroclor 1232	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.023 U	NA	0.027 U	0.024 U	ND	NA
	Aroclor 1016/1242	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	NA	0.014 U	0.012 U	ND	NA
	Aroclor 1248	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	NA	0.014 U	0.012 U	ND	NA
	Aroclor 1254	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.089	NA	0.065	0.093	0.135	NA
	Aroclor 1260	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	NA	0.093	0.012 U	0.123	NA
	Aroclor 1262	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.066	NA	0.014 U	0.017	ND	NA
	Aroclor 1268	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.012 U	NA	0.014 U	0.012 U	ND	NA
	Total PCBs	2	2	3	3	2	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.155	NA	0.158	0.163	0.258	NA
Metals, total																													
	Arsenic	20	20	20	20	20	NA	2.78	3.17	6.06	4.03	5.85	3.74	57.8	5.45	9.91	6.59	NA	7.69	22	7.23	31	14	NA	2.64	3.14	NA	NA	3.08
	Barium	1000	1000	3000	3000	1000	NA	88	81	451	145	194	123	330	486	446	2.09	NA	181	366	156	309	289	NA	68	75	NA	NA	57
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	0.83	1.1	6.28	1.32	2.04	1.34	8.95	1.07	1.92	2.9	NA	1.28	3.27	1.58	6.6	4.25	NA	0.78	0.82	NA	NA	0.83
	Chromium	50	30	200	200	30	NA	11	12	14	12.9	19	12.8	20	13	15	24	NA	8.98	23	17	183	62	NA	11	13	NA	NA	9.6
	Lead	300	300	300	300	300	NA	316	231	400	395	533	424	3690	415	735	439	NA	309	686	569	1480	1960	NA	165	193	NA	NA	205
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	0.334	0.372	0.22	0.342	0.423	109	0.161	0.599	0.505	0.881	NA	0.217	0.68	0.735	0.346	0.474	NA	0.181	0.191	NA	NA	0.145
	Selenium	400	400	800	800	400	NA	0.7	0.69 U	1.54	0.77 U	1.58	0.67 U	2.01	0.77 U	0.71 U	1.32	NA	0.91	5.03	0.83 U	1.78	2.79	NA	0.22	0.29 U	NA	NA	0.9
	Silver	100	100	200	200	100	NA	0.35 U	0.34 U	0.55 U	0.39 U	0.46 U	2.87	0.39 U	0.38 U	0.36 U	0.44 U	NA	1.13	0.57 U	0.42 U	0.42 U	0.61 U	NA	0.11 U	0.15 U	NA	NA	0.13 U
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP																													
(mg/L)	Lead, TCLP	NS	NS	NS	NS	NS	5.0[2]	0.28	0.31	0.15	0.17	0.22	4.54	0.79	0.36	2.49	1.02	NA	0.3	1.0	0.3	2.9	0.4	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																													
(mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA	42	306	28	203	NA	36	1020	45	35	58	96	21	83	NA	2690	1130	NA	NA	NA	NA	NA	NA
	Gasoline Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(1) Sample identifications in parentheses denotes identification utilized on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
U - Compound was not detected at specified quantitation limit.
Values in Bold indicate the compound was detected.
Value shown in Bold and shaded type exceeds one or more of the listed Method 1 standards or RCP standards, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polycyclic Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentrations.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
' = Split sample with Goldman Environmental, analyzed by GreenPoint Analytical; lab report not available in historical data.
* - Depth not available in historical report.

TABLE 5
Summary of Analytical Detected Results for Soil Samples - 108 Ruggles Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						A6.25 (A6_25)			A7			A8			A9				A10			A10.5 (A10_5)	B6.23 (B6_25)		
		Sample Date:						12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005
		Sample Depth (ft.):						1.5-3	3-6	6-9	0.5-3	3-6	6-8.5	0.5-3	3-6	6-8.5	0.5-3	0.5-3[3]	3-6	6-9.5	2.25-3	3-6	6-9	1-3.25	1.5-3	3-6	6-9.5
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA																				
VOCs	Trichloroethene	2	90	2	700	0.3	NA	NA	NA	NA	NA	NA	NA	0.095 U	0.052 U	0.81 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	NA	NA	NA	NA	NA	NA	0.47 U	0.26 U	4.1 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1000	1000	30	NA	NA	NA	NA	NA	NA	NA	0.095 U	0.12	0.81 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	NA	NA	NA	NA	NA	NA	NA	0.095 U	0.052 U	0.81 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	NA	NA	NA	NA	NA	NA	0.095 U	0.052 U	0.81 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1000	1000	40	NA	NA	NA	NA	NA	NA	NA	0.095 U	0.052 U	0.81 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1000	300	NA	NA	NA	NA	NA	NA	NA	0.19 U	0.15	1.6 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	0.095 U	0.052 U	0.81 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs / Dibenzofuran (mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	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	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	NA	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	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg)	Aroclor 1221	2	2	3	3	2	1	0.209 U	0.564 U	0.263 U	0.22 U	0.27 U	0.475 U	0.259 U	0.22 U	0.598 U	0.233 U	ND	0.24 U	0.338 U	0.221 U	0.219 U	0.231 U	0.22 U	0.25 U	0.26 U	0.4 U
	Aroclor 1232	2	2	3	3	2	1	0.104 U	0.282 U	0.132 U	0.11 U	0.13 U	0.238 U	0.130 U	0.11 U	0.299 U	0.127 U	ND	0.12 U	0.169 U	0.111 U	0.109 U	0.116 U	0.11 U	0.125 U	0.13 U	0.2 U
	Aroclor 1016/1242	2	2	3	3	2	1	0.104 U	0.282 U	0.132 U	0.11 U	0.13 U	0.238 U	0.130 U	0.11 U	0.299 U	0.127 U	ND	0.12 U	0.169 U	0.111 U	0.109 U	0.116 U	0.11 U	0.125 U	0.13 U	0.2 U
	Aroclor 1248	2	2	3	3	2	1	0.104 U	0.282 U	0.132 U	0.11 U	0.13 U	0.238 U	0.130 U	0.11 U	0.299 U	0.127 U	ND	0.12 U	0.169 U	0.111 U	0.109 U	0.116 U	0.11 U	0.125 U	0.13 U	0.2 U
	Aroclor 1254	2	2	3	3	2	1	**0.878**	0.282 U	0.132 U	0.65	0.13 U	0.238 U	**0.250**	0.11 U	0.299 U	**0.697**	0.127 U	**0.8**	0.169 U	**0.293**	**0.706**	**0.458**	0.11 U	**0.62**	0.13 U	0.2 U
	Aroclor 1260	2	2	3	3	2	1	**0.687**	0.282 U	0.132 U	**0.83**	0.13 U	0.238 U	**0.460**	0.11 U	0.299 U	**1.03**	**0.79**	**2.05**	0.169 U	0.111 U	**0.418**	**0.35**	0.11 U	**1**	0.13 U	0.2 U
	Aroclor 1262	2	2	3	3	2	1	0.104 U	0.282 U	0.132 U	0.11 U	0.13 U	0.238 U	0.130 U	0.11 U	0.299 U	0.127 U	ND	0.12 U	0.169 U	0.111 U	0.109 U	0.116 U	0.11 U	0.125 U	**1.45**	0.2 U
	Aroclor 1268	2	2	3	3	2	1	0.104 U	0.282 U	0.132 U	0.11 U	0.13 U	0.238 U	0.130 U	0.11 U	0.299 U	0.127 U	ND	0.12 U	0.169 U	0.111 U	0.109 U	0.116 U	0.11 U	0.125 U	0.13 U	0.2 U
	Total PCBs	2	2	3	3	2	1	1.565	0.564 U	0.263 U	1.48	0.27 U	0.475 U	0.71	0.22 U	0.598 U	1.727	0.79	2.85	0.338 U	0.293	1.124	0.708	0.22 U	1.62	1.45	0.4 U
Metals, total	Arsenic	20	20	20	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	500	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP (mg/L)	Lead, TCLP	NS	NS	NS	NS	NS	5.0[3]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	51	24	172	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Gasoline Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	11.9 U	9.1	94 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(1) Sample identifications in parentheses denote identification marked on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
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Values shown in bold and shaded type exceed one or more of the listed Method 1 standards 310 CMR standard, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polycyclic Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
[3] - Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
* - Depth not available in historical report.

TABLE 5
Summary of Analytical Detected Results for Soil Samples - 108 Ruggles Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1)						B7			B10			B10.75 (B10-75)				C6.25 (C6_25)		C7				C10.75 (C10_75)		D.75-6.25 (D_75-6_25)			D.75-7 (D_75-7)			
							Sample Date:	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005
							Sample Depth (ft.):	0.5-3	3-6	6-9	1-3	3-6	6-8.5	0.5-3	3-6	3-6 Field Dup	6-9	3-6	6-9	1.5-3	1.5-3[1]	3-6	6-9	4-6	6-8.5	0.5-3	3-6	6-8.5	0.5-3	3-6	6-9	6-9[1]
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA																								
VOCs																															
	Trichloroethene	2	90	2	700	0.3	NA	NA	0.084 U	0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	NA	0.42 U	0.35 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1000	1000	30	NA	NA	0.084 U	0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	NA	NA	0.084 U	0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	NA	0.084 U	0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1000	1000	40	NA	NA	0.084 U	0.071 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1000	300	NA	NA	0.17 U	0.14 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	1.6	0.31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PAHs / Dibenzofuran																															
(mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	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	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	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	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	50	300	50	500	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																															
(mg/kg)	Aroclor 1221	2	2	3	3	2	1	0.24 U	0.28 U	0.28 U	0.231 U	0.242 U	0.193 U	0.262 U	0.238 U	0.22 U	ND	0.25 U	0.3 U	0.26 U	ND	0.245 U	0.25 U	0.265 U	0.252 U	0.238 U	0.212 U	0.363 U	0.24 U	0.23 U	0.27 U	ND
	Aroclor 1232	2	2	3	3	2	1	0.12 U	0.14 U	0.14 U	0.115 U	0.121 U	0.098 U	0.131 U	0.119 U	0.11 U	ND	0.125 U	0.15 U	0.13 U	ND	0.125 U	0.125 U	0.133 U	0.126 U	0.114 U	0.106 U	0.182 U	0.12 U	0.12 U	0.135 U	ND
	Aroclor 1016/1242	2	2	3	3	2	1	0.12 U	0.14 U	0.14 U	0.115 U	0.121 U	0.098 U	0.131 U	0.119 U	0.11 U	ND	0.125 U	0.15 U	0.13 U	ND	0.125 U	0.125 U	0.133 U	0.126 U	0.114 U	0.106 U	0.182 U	0.12 U	0.12 U	0.135 U	ND
	Aroclor 1248	2	2	3	3	2	1	0.12 U	0.14 U	0.14 U	0.115 U	0.121 U	0.098 U	0.131 U	0.119 U	0.11 U	ND	0.125 U	0.15 U	0.13 U	ND	0.125 U	0.125 U	0.133 U	0.126 U	0.114 U	0.106 U	0.182 U	0.12 U	0.12 U	0.135 U	ND
	Aroclor 1254	2	2	3	3	2	1	0.7	0.14 U	0.14 U	0.115 U	0.671	0.098 U	1.35	0.659	0.11 U	0.177	0.125 U	0.15 U	0.13 U	ND	0.125 U	0.125 U	0.133 U	0.126 U	1.81	0.106 U	0.182 U	1.05	0.12 U	0.135 U	ND
	Aroclor 1260	2	2	3	3	2	1	1.12	0.22	0.57	0.532	0.723	0.098 U	1.31	0.833	0.908	0.185	1.1	1.116	1.177	1.2	0.197	0.125 U	0.133 U	0.126 U	0.975	0.106 U	0.182 U	1.2	0.3	0.135 U	ND
	Aroclor 1262	2	2	3	3	2	1	0.12 U	0.14 U	0.14 U	0.115 U	0.121 U	0.098 U	0.131 U	0.119 U	0.11 U	ND	0.125 U	0.15 U	0.13 U	ND	0.125 U	0.125 U	0.133 U	0.126 U	0.114 U	0.106 U	0.182 U	0.12 U	0.12 U	0.135 U	ND
	Aroclor 1268	2	2	3	3	2	1	0.12 U	0.14 U	0.14 U	0.115 U	0.121 U	0.098 U	0.131 U	0.119 U	0.11 U	ND	0.125 U	0.15 U	0.13 U	ND	0.125 U	0.125 U	0.133 U	0.126 U	0.114 U	0.106 U	0.182 U	0.12 U	0.12 U	0.135 U	ND
	Total PCBs	2	2	3	3	2	1	1.82	0.22	0.57	0.532	1.394	0.197 U	2.66	1.192	0.908	0.33	1.1	1.116	1.177	1.2	0.197	0.25 U	0.265 U	0.252 U	1.985	0.212 U	0.363 U	2.25	0.3	0.27 U	ND
Metals, total																																
	Arsenic	20	20	20	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP																																
(mg/L)	Lead, TCLP	NS	NS	NS	NS	NS	5.0[3]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																																
(mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA	25	146	119	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Gasoline Range Organics	1000	1000	3000	3000	1000	NA	NA	14.9	11.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
(1) Sample identifications in parenthesis denote identifications utilized on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
U - Compound was not detected at specified quantitation limit.
Values in Bold indicate the compound was detected.
Value shown in Bold and shaded type exceeds the reportable concentration or applicable Soil Method 1 standard or TCLP standard, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polycyclic Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentrations.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
[1] = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
" - Depth not available in historical report.

TABLE 5
Summary of Analytical Detected Results for Soil Samples - 108 Roggles Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						D.75-8 (D_75-8)			D.75-9 (D_75-9)			D.75-10 (D_75-10)	D.75-10.75 (D_75-10_75)	D6.25 (D6_25)		D7				D8		D9	
								12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005
		Sample Depth (ft.):						0.5-3	3-6	6-9	1.5-3	1.5-3[3]	3-6	7-8	6-6.5	3-6	6-8.5	0.5-3	3-6	6-9	6-9 Field Dup	0.5-3	6-9	3-6	6-8
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA																		
VOCs	Trichloroethene	2	90	2	700	0.3	NA	0.065 U	0.081 U	0.08 U	NA	NA	NA	NA	NA	NA	NA	0.059 U	0.062 U	0.13 U	NA	NA	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	0.32 U	0.4 U	0.4 U	NA	NA	NA	NA	NA	NA	NA	0.29 U	0.31 U	0.64 U	NA	NA	NA	NA	NA
	Toluene	500	500	1000	1000	30	NA	0.065 U	0.081 U	0.08 U	NA	NA	NA	NA	NA	NA	NA	0.059 U	0.062 U	0.13 U	NA	NA	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	NA	0.065 U	0.14	0.25	NA	NA	NA	NA	NA	NA	NA	0.059 U	0.062 U	0.13 U	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	0.065 U	0.081 U	0.08 U	NA	NA	NA	NA	NA	NA	NA	0.059 U	0.062 U	0.13 U	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1000	1000	40	NA	0.065 U	0.081 U	0.08 U	NA	NA	NA	NA	NA	NA	NA	0.059 U	0.062 U	0.13 U	NA	NA	NA	NA	NA
	m & p-Xylene	300	500	300	1000	300	NA	0.13 U	0.16 U	0.16 U	NA	NA	NA	NA	NA	NA	NA	0.12 U	0.12 U	0.26 U	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	0.065 U	0.081 U	0.08 U	NA	NA	NA	NA	NA	NA	NA	0.059 U	0.062 U	0.13 U	NA	NA	NA	NA	NA
PAHs / Dibenzofuran (mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	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	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg)	Aroclor 1221	2	2	3	3	2	1	0.235 U	0.275 U	0.28 U	0.219 U	ND	0.237 U	0.309 U	0.254 U	0.244 U	0.315 U	0.253 U	0.249 U	0.409 U	0.278 U	0.247 U	0.274 U	0.217 U	0.273 U
	Aroclor 1232	2	2	3	3	2	1	0.118 U	0.14 U	0.14 U	0.109 U	NU	0.119 U	0.154 U	0.107 U	0.122 U	0.158 U	0.126 U	0.125 U	0.204 U	0.139 U	0.123 U	0.137 U	0.108 U	0.137 U
	Aroclor 1016/1242	2	2	3	3	2	1	0.118 U	0.14 U	0.14 U	0.109 U	ND	0.119 U	0.154 U	0.107 U	0.122 U	0.158 U	0.126 U	0.125 U	0.204 U	0.139 U	0.123 U	0.137 U	0.108 U	0.137 U
	Aroclor 1248	2	2	3	3	2	1	0.118 U	0.14 U	0.14 U	0.109 U	ND	0.119 U	0.154 U	0.107 U	0.122 U	0.158 U	0.126 U	0.125 U	0.204 U	0.139 U	0.123 U	0.137 U	0.108 U	0.137 U
	Aroclor 1254	2	2	3	3	2	1	5.644	0.14 U	0.14 U	0.109 U	ND	0.119 U	0.154 U	0.107 U	0.122 U	0.158 U	1.35	0.298	0.204 U	0.139 U	1.2	0.137 U	0.108 U	0.137 U
	Aroclor 1260	2	2	3	3	2	1	1.6	0.26	0.14 U	0.109 U	0.11	0.119 U	0.154 U	0.107 U	0.216	0.158 U	1.42	0.298	0.204 U	0.139 U	1.027	0.137 U	0.43	0.137 U
	Aroclor 1262	2	2	3	3	2	1	0.118 U	0.14 U	0.14 U	0.109 U	ND	0.119 U	0.154 U	0.107 U	0.122 U	0.158 U	0.126 U	0.125 U	0.204 U	0.139 U	0.123 U	0.137 U	0.108 U	0.137 U
	Aroclor 1268	2	2	3	3	2	1	0.118 U	0.14 U	0.14 U	0.109 U	ND	0.119 U	0.154 U	0.107 U	0.122 U	0.158 U	0.126 U	0.125 U	0.204 U	0.139 U	0.123 U	0.137 U	0.108 U	0.137 U
	Total PCBs	2	2	3	3	2	1	5.644	0.26	0.28 U	0.219 U	0.11	0.308	0.309 U	0.254 U	0.216	0.315 U	2.777	0.593	0.409 U	0.278 U	2.227	0.274 U	0.43	0.273 U
Metals, total	Arsenic	20	20	20	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP (mg/L)	Lead, TCLP	NS	NS	NS	NS	NS	5.0[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA	58	227	28	NA	NA	NA	NA	NA	NA	NA	28	82	41	NA	NA	NA	NA	NA
	Gasoline Range Organics	1000	1000	3000	3000	1000	NA	8.2 U	13.4	12.6	NA	NA	NA	NA	NA	NA	NA	9.7	9.2	19.1	NA	NA	NA	NA	NA

Notes:
(1) Sample identifications in parentheses denotes identification utilized on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
ug/L - micrograms per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
U - Compound was not detected at specified quantitation limit.
Values in bold indicate the compound was detected.
Values shown in bold and highlighted exceed one or more of the listed Method 1 standards or RCS standards, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentrations.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
[3] - Split sample with Goldman Environmental, analyzed by Cercanalytical Analytical; lab report not available in historical data.
* - Depth not available in historical report.

TABLE 5
Summary of Analytical Detected Results for Soil Samples - 108 Ruggles Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						D10			D10.75 (D10_75)
								Sample Date:	12/20/2005	12/20/2005	12/20/2005	12/20/2005
								Sample Depth (ft.):	1.5-3	3-6	6-7.5	3-4
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RCS-1	TSCA					
VOCs	Trichloroethene	2	90	2	700	0.3	NA		0.071 U	0.029 U	0.052 U	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA		0.35 U	0.15 U	0.26 U	NA
	Toluene	500	500	1000	1000	30	NA		0.071 U	0.029 U	0.052 U	NA
	Tetrachloroethene	10	30	10	200	1	NA		0.071 U	0.029 U	0.052 U	NA
	Chlorobenzene	3	100	3	100	1	NA		0.071 U	0.029 U	0.052 U	NA
	Ethylbenzene	500	500	1000	1000	40	NA		0.071 U	0.029 U	0.052 U	NA
	m & p-Xylene	300	500	300	1000	300	NA		0.14 U	0.058 U	0.1 U	NA
	Naphthalene	40	500	40	1000	4	NA		0.071 U	0.029 U	0.052 U	NA
PAHs / Dibenzofuran (mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA		NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA		NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA		NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA		NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA		NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA		NA	NA	NA	NA
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA		NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA		NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA		NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA		NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA		NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	NA		NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA		NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA		NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA		NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA		NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA		NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA		NA	NA	NA	NA
PCBs (mg/kg)	Aroclor 1221	2	2	3	3	2	1		0.243 U	0.195 U	0.212 U	0.27 U
	Aroclor 1232	2	2	3	3	2	1		0.122 U	0.097 U	0.106 U	0.135 U
	Aroclor 1016/1242	2	2	3	3	2	1		0.122 U	0.097 U	0.106 U	0.135 U
	Aroclor 1248	2	2	3	3	2	1		0.122 U	0.097 U	0.106 U	0.135 U
	Aroclor 1254	2	2	3	3	2	1		0.122 U	0.097 U	0.106 U	0.135 U
	Aroclor 1260	2	2	3	3	2	1		**0.554**	**0.37**	**0.45**	**0.676**
	Aroclor 1262	2	2	3	3	2	1		0.122 U	0.097 U	0.106 U	0.135 U
	Aroclor 1268	2	2	3	3	2	1		0.122 U	0.097 U	0.106 U	0.135 U
	Total PCBs	2	2	3	3	2	1		0.554	0.37	0.45	0.676
Metals, total	Arsenic	20	20	20	20	20	NA		NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA		NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA		NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA		NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA		NA	NA	NA	NA
	Lead	300	300	300	500	300	NA		NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA		NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA		NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA		NA	NA	NA	NA
	Silver	100	100	200	200	100	NA		NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA		NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA		NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA		NA	NA	NA	NA
Metals, TCLP (mg/L)	Lead, TCLP	NS	NS	NS	NS	NS	5.0[3]		NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA		20	23	71	NA
	Gasoline Range Organics	1000	1000	3000	3000	1000	NA		8.9 U	3.7 U	6.5 U	NA

Notes:
(1) Sample identifications in parentheses denote identifications utilized on figure.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
U - Compound was not detected at specified quantitation limit.
Values in Bold indicate the compound was detected.
[redacted]
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polycyclic Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentrations.
TSCA - Toxic Substances Control Act criteria.
Data set based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2005, BETA Group, Inc.
3 = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
* - Depth not available in historical report.

TABLE 6
Summary of Analaytical Detected Results for Soil Samples - 118 Ruggles Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						118 Comp 1 (118-RUG-COM-1-S,and M)		118 Comp 2 (118-RUG-COM-2-S,and M)		118 Ruggles Front (118-RUG-FRONT)	118 Ruggles Front Comp (118-RUG-F-COMP)		118 Ruggles Rear (118-RUG-REAR)	118 Ruggles Rear Comp (118-RUG-R-COMP)		A12		A13			A14		A15	C.5-12 (C_5-12)	
		Sample Date:						12/16/2005	12/16/2005	12/20/2005	12/20/2005	2/6/2006	2/6/2006	2/6/2006	2/6/2006	2/6/2006	2/6/2006	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/20/2005	12/16/2005	12/16/2005
		Sample Depth (ft.):						0-3	3-6	0-3	3-6	0-0.5	0-0.25	*	0-0.5	*	*	0.75-3	3-6	0.5-3	0.5-3[1]	3-6	2-3	3-4.5	2.75-4	1-3	3-5
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA	(S)	(M)	(S)	(M)						Field Dup										
VOCs																											
	Trichloroethene	2	90	2	700	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.073 U	0.088 U	NA	NA	NA
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.36 U	0.44 U	NA	NA	NA
	Toluene	500	500	1000	1000	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.073 U	0.088 U	NA	NA	NA
	Tetrachloroethene	10	30	10	200	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.073 U	0.088 U	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.073 U	0.088 U	NA	NA	NA
	Ethylbenzene	500	500	1000	1000	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.073 U	0.088 U	NA	NA	NA
	m & p-Xylene	300	500	300	1000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.15 U	0.18 U	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.073 U	0.088 U	NA	NA	NA
PAHs / Dibenzofuran																											
(mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	0.7	0.65	0.06 U	1.6	NA	0.22	6.2	NA	0.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	2.3	3.1	0.14	0.74	NA	0.18	0.89	NA	1.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	7.3	5.8	0.27	3.6	NA	0.71	11	NA	3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	8.8	10	0.74	6	NA	1.8	20	NA	3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	7.1	8.7	0.69	6	NA	1.5	14	NA	2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	8.5	11	0.97	6.2	NA	0.75	6.1	NA	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA	4.1	5.2	0.4	1.9	NA	0.91	4.5	NA	1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	2.8	3.4	0.29	2.2	NA	1.9	12	NA	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	6.6	7.7	0.62	5.2	NA	1.6	17	NA	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	1	1.3	0.11	0.58	NA	0.26	2.1	NA	0.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	28	30	1.8	6.9	NA	4.4	50	NA	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	NA	2.6	1.7	0.065	2.1	NA	0.23	8.6	NA	1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	4.6	5.9	0.4	2.3	NA	0.82	3.9	NA	1.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	0.57 U	0.6 U	0.06 U	2.0	NA	0.067 U	6.3	NA	0.43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	0.57 U	0.6 U	0.06 U	4.1	NA	0.17	17	NA	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	30	21	1	24	NA	3.3	59	NA	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	20	22	1.2	5.4	NA	4	50	NA	7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	2.2	1.8	0.06 U	2.6	NA	0.14	6.2	1.1	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																											
(mg/kg)	Aroclor 1221	2	2	3	3	2	1	NA	NA	NA	NA	0.013 U	0.013 U	NA	0.012 U	NA	NA	0.234 U	0.234 U	0.243 U	ND	0.238 U	0.245 U	0.245 U	0.334 U	ND	ND
	Aroclor 1232	2	2	3	3	2	1	NA	NA	NA	NA	0.026 U	0.027 U	NA	0.025 U	NA	NA	0.117 U	0.117 U	0.121 U	ND	0.119 U	0.123 U	0.123 U	0.167 U	ND	ND
	Aroclor 1016/1242	2	2	3	3	2	1	NA	NA	NA	NA	0.013 U	0.013 U	NA	0.012 U	NA	NA	0.117 U	0.117 U	0.121 U	NU	0.119 U	0.123 U	0.123 U	0.167 U	NU	NU
	Aroclor 1248	2	2	3	3	2	1	NA	NA	NA	NA	0.013 U	0.013 U	NA	0.012 U	NA	NA	0.117 U	0.117 U	0.121 U	ND	0.119 U	0.123 U	0.123 U	0.167 U	ND	ND
	Aroclor 1254	2	2	3	3	2	1	NA	NA	NA	NA	0.883	0.611	NA	0.012 U	NA	NA	3.84	0.529	2.128	2.5	0.119 U	2.4	0.964	0.167 U	0.462	ND
	Aroclor 1260	2	2	3	3	2	1	NA	NA	NA	NA	0.013 U	0.269	NA	0.04	NA	NA	0.117 U	0.117 U	0.121 U	0.69	0.119 U	0.123 U	0.123 U	59.1	NU	ND
	Aroclor 1262	2	2	3	3	2	1	NA	NA	NA	NA	0.013 U	0.013 U	NA	0.012 U	NA	NA	0.117 U	0.117 U	0.121 U	NU	0.119 U	0.123 U	0.123 U	0.167 U	NA	NA
	Aroclor 1268	2	2	3	3	2	1	NA	NA	NA	NA	0.013 U	0.013 U	NA	0.012 U	NA	NA	0.117 U	0.117 U	0.121 U	ND	0.119 U	0.123 U	0.123 U	0.167 U	NA	NA
	Total PCBs	2	2	3	3	2	1	NA	NA	NA	NA	0.883	0.88	NA	0.04	NA	NA	3.84	0.529	2.128	3.19	0.238 U	2.4	0.964	59.1	0.462	ND
Metals, total																											
	Arsenic	20	20	20	20	20	NA	3.91	5.22	8.48	7.44	NA	6.22	5.2	NA	3.13	3.25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	143	296	298	688	NA	170	149	NA	44	52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	1.30	1.42	1.88	3.67	NA	1.51	1.38	NA	0.59	0.62	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA	13	14	36	33	NA	22	19	NA	11	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	NA	242	99	436	500	NA	388	307	NA	132	143	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	0.404	0.152	0.627	1.23	NA	0.511	0.631	NA	0.137	0.151	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA	0.72 U	0.75 U	0.79 U	1.12	NA	1.09	0.82	NA	0.21 U	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	NA	0.36 U	0.37 U	0.39 U	0.43 U	NA	0.13 U	0.11 U	NA	0.11 U	0.11 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP																											
(mg/L)	Lead, TCLP	NS	NS	NS	NS	NS	5.0[5]	0.3	NA	0.91	0.44	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																											
(mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA	351	530	166	86	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35	22	NA	NA	NA
	Gasoline Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.2 U	11.1 U	NA	NA	NA

Notes:
(1) Sample identifications in parenthesis denotes identification utilized on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
U - Compound was not detected at specified quantitation limit.
Values in bold indicate the compound was detected.
Values shown in B43 and shaded in green exceed one or more of the listed Method 1 standards for GW-1 Standard, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polycyclic Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
[1] = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
* - Depth not available in historical report.

TABLE 6
Summary of Analytical Detected Results for Soil Samples - 118 Ruggles Street
New Bedford, MA

Analysis	Analyte	Sample Location (see footnote 1):						C.5-13 (C_5-13)		C11-1					D14
		Sample Date:						12/16/2005	12/16/2005	12/16/2005	12/16/2005	12/16/2005	12/16/2005	12/16/2005	12/16/2005
		Sample Depth (ft.):						1-3	3-5	1-3	0.5-3[1]	3-6	3-6[1]	6-9	3-4
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA								
VOCs	Trichloroethene	2	90	2	700	0.3	NA	NA	NA	NA	NA	NA	NA	NA	0.023 U
	4-Methyl-2-pentanone	50	400	50	400	0.4	NA	NA	NA	NA	NA	NA	NA	NA	0.12 U
	Toluene	500	500	1000	1000	30	NA	NA	NA	NA	NA	NA	NA	NA	0.023 U
	Tetrachloroethene	10	30	10	200	1	NA	NA	NA	NA	NA	NA	NA	NA	0.023 U
	Chlorobenzene	3	100	3	100	1	NA	NA	NA	NA	NA	NA	NA	NA	0.023 U
	Ethylbenzene	500	500	1000	1000	40	NA	NA	NA	NA	NA	NA	NA	NA	0.023 U
	m & p-Xylene	300	500	300	1000	300	NA	NA	NA	NA	NA	NA	NA	NA	0.046 U
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	0.023 U
PAHs / Dibenzofuran (mg/kg)	Acenaphthene	1000	1000	3000	3000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1000	1000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (mg/kg)	Aroclor 1221	2	2	3	3	2	1	ND	ND	ND	ND	0.2 U	ND	0.2 U	0.2 U
	Aroclor 1232	2	2	3	3	2	1	ND	ND	ND	ND	0.1 U	ND	0.1 U	0.1 U
	Aroclor 1016/1242	2	2	3	3	2	1	ND	ND	ND	ND	0.1 U	NA	0.1 U	0.1 U
	Aroclor 1248	2	2	3	3	2	1	ND	ND	ND	ND	0.1 U	ND	0.1 U	0.1 U
	Aroclor 1254	2	2	3	3	2	1	0.592	ND	0.48	ND	0.351	ND	0.1 U	0.527
	Aroclor 1260	2	2	3	3	2	1	ND	ND	ND	0.38	0.1 U	ND	0.1 U	0.1 U
	Aroclor 1262	2	2	3	3	2	1	NA	NA	NA	NA	NA	ND	NA	NA
	Aroclor 1268	2	2	3	3	2	1	NA	NA	NA	NA	NA	ND	NA	NA
	Total PCBs	2	2	3	3	2	1	0.592	ND	0.48	0.38	0.351	ND	0.2 U	0.527
Metals, total	Arsenic	20	20	20	20	20	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	30	30	200	200	30	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	300	300	300	300	300	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	20	20	700	700	20	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	20	20	30	30	20	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	400	400	800	800	400	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	100	100	200	200	100	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	8	8	60	60	8	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	600	600	1000	1000	600	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2500	2500	3000	3000	2500	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, TCLP (mg/L)	Lead, TCLP	NS	NS	NS	NS	NS	5.0[5]	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons (mg/kg)	Diesel Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	155
	Gasoline Range Organics	1000	1000	3000	3000	1000	NA	NA	NA	NA	NA	NA	NA	NA	9.5

Notes:
(1) Sample identifications in parenthesis denotes identification utilized on figures.
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter
NA - Sample not analyzed for the listed analyte.
ND - Not detected; quantitation limit not available in historical data.
U - Compound was not detected at specified quantitation limit.
Values in [bold] indicate the compound was detected.
Values shown in **bold and bolded** type exceed one or more of the listed Method I standards or 10 U Standards, as applicable.
Values shown in bold and outlined exceed TSCA standard.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TSCA - Toxic Substances Control Act criteria.
Data are based on the "Summary of Analytical Data, 101 Greenwood Street", dated March 15, 2006, BETA Group, Inc.
[1] = Split sample with Goldman Environmental, analyzed by Groundwater Analytical; lab report not available in historical data.
* - Depth not available in historical report.

FIGURES

FIGURE 1
SITE LOCATION

D_55 12/20/05

Constituent	1.00 – 3.00	3.00 – 6.00	6.00 – 10.00	DUP 6.00 – 10.00
Total PCBs	1.960	4.20	0.250	1.441

D_54 12/20/05

Constituent	1.00 – 3.00	3.00 – 6.00	6.00 – 9.00
Total PCBs	11.222	0.673	0.376

D_53 12/20/05

Constituent	1.00 – 3.00	SPLIT 1.00 – 3.00	3.00 – 6.00	6.00 – 9.00
Total PCBs	5.78	6.30	4.50	6.00

E_53 12/20/05

Constituent	1.00 – 3.00	3.00 – 6.00	6.00 – 9.00
Total PCBs	3.44	0.579	0.751

D_52 12/20/05

Constituent	2.00 – 3.00	3.00 – 6.00	6.00 – 9.00
Total PCBs	2.80	0.690	1.470

E1 12/19/05

Constituent	1.00 – 2.00
Total PCBs	2.668

E_52 12/20/05

Constituent	1.00 – 3.00	3.00 – 6.00	6.00 – 9.00
Total PCBs	29.60	0.391	1.132

101-GW-R-COMP 02/06/06

Constituent	Unknown
BAP	0.11
Total PCBs	0.023 U
Arsenic	1.5
Barium	30
Cadmium	0.38
Chromium	7.55
Lead	62

101-GW-COM-5 12/20/05

Constituent	0.00 – 3.00	SPLIT 0.00 – 3.00	3.00 – 6.00	SPLIT 3.00 – 6.00	6.00–Native
BAP	0.89	1.1	4.1	4.4	69
Arsenic	5.88	4.4	6.79	3.1	13
Barium	333	310	335	210	464
Cadmium	3.27	2.0	2.78	0.79	5.43
Chromium	29	52	31	24	28
Lead	575	620	1150	1000	2790

F2 12/19/05

Constituent	0.25 – 3.00	3.00 – 6.00	SPLIT 3.00 – 6.00	6.00 – 8.00
Total PCBs	5.75	1.405	7.50	5.12

101-GW-COM-3-D 12/19/05

Constituent	6.00–Native
BAP	1.7
Arsenic	10
Barium	405
Cadmium	40
Chromium	19
Lead	1390

101-GW-COM-4 12/20/05

Constituent	0.00 – 3.00	3.00 – 6.00	6.00–Native
BAP	4.2	0.79	9.7
Arsenic	5.6	4.95	1.65
Barium	349	205	34
Cadmium	2.66	7.47	0.55 U
Chromium	27	20	6.82
Lead	553	1040	4.51

101-GW-COM-3-M 12/19/05

Constituent	3.00 – 6.00
BAP	1.9
Arsenic	12
Barium	749
Cadmium	113
Chromium	33
Lead	6780

E_54 12/20/05

Constituent	1.00 – 3.00	3.00 – 6.00	SPLIT 3.00 – 6.00	6.00 – 9.00
Total PCBs	6.01	0.827	1.01	0.160

E_55 12/20/05

Constituent	0.50 – 3.00	3.00 – 6.00	6.00 – 8.50
Total PCBs	6.87	0.868	2.397

101-GW-COM-2-D 12/19/05

Constituent	6.00–Native
BAP	0.15
Arsenic	8.9
Barium	169
Cadmium	224
Chromium	26
Lead	2070

C5 12/19/05

Constituent	1.50 – 3.00	3.00 – 6.00
Total PCBs	3.59	1.927

101-GW-COM-3-S 12/19/05

Constituent	0.00 – 3.00
BAP	0.71
Arsenic	5.09
Barium	251
Cadmium	2.05
Chromium	19
Lead	1020

101-GW-COM-1=M 12/19/05

Constituent	3.00 – 6.00	DUP 3.00 – 6.00
BAP	0.23	NA
Arsenic	10	9.53
Barium	317	233
Cadmium	2.5	2.36
Chromium	16	13
Lead	1240	755

G2

	1/27/06	12/19/05	12/19/05	12/19/05
Constituent	0.00 – 1.00	0.50 – 3.00	3.00 – 6.00	6.00 – 9.00
Total PCBs	0.226	10.40	23.30	1.37 U

101-GW-COM-2-M 12/19/05

Constituent	3.00 – 6.00
BAP	0.69
Arsenic	25
Barium	226
Cadmium	15
Chromium	29
Lead	1520

H5 12/19/05

Constituent	1.00 – 3.00	3.00 – 6.00	6.00 – 7.00
Total PCBs	3.09	0.885	0.30 U

101-GW-COM-1=S 12/19/05

Constituent	0.00 – 3.00
BAP	0.37
Arsenic	4.23
Barium	191
Cadmium	2.23
Chromium	20
Lead	496

101-GW-COM-2-S 12/19/05

Constituent	0.00 – 3.00
BAP	3.8
Arsenic	3.92
Barium	277
Cadmium	1.26
Chromium	18
Lead	346

101-GW-COM-1-D 12/19/05

Constituent	6.00–Native
BAP	0.15
Arsenic	14
Barium	1160
Cadmium	24
Chromium	441
Lead	454

101-GW-F-COMP 02/06/06

Constituent	Unknown
BAP	0.17
Total PCBs	0.063
Arsenic	2.16
Barium	71
Cadmium	0.75
Chromium	12
Lead	107

H4 12/19/05

Constituent	1.00 – 3.00	3.00 – 6.00	6.00 – 7.75
Total PCBs	4.557	3.030	1.411

I5 12/19/05

Constituent	3.00 – 6.00	6.00 – 7.00
Total PCBs	0.201 U	0.281 U

I4 12/19/05

Constituent	1.00 – 3.00
Total PCBs	0.212 U

I3 12/19/05

Constituent	1.00 – 3.00	DUP 1.00 – 3.00
Total PCBs	0.208 U	0.209 U

H3 12/19/05

Constituent	1.00 – 3.00	3.00 – 6.00	6.00 – 9.00
Total PCBs	1.881	2.39	15.37

H2 12/19/05

Constituent	0.50 – 3.00	3.00 – 6.00	6.00 – 8.50	DUP 6.00 – 8.50
Total PCBs	1.778	976	1.870	3.70

H1 12/19/05

Constituent	1.00 – 3.00
Total PCBs	0.207 U

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

Contaminant Names	S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RCS-1	TSCA
Benzo(a)pyrene (BAP)	2	2	4	4	2	N/A
Total PCBs	2	2	2	2	2	1
Arsenic	20	20	20	20	20	N/A
Barium	1000	1000	3000	3000	1000	N/A
Cadmium	2	2	30	30	2	N/A
Chromium	30	30	200	200	30	N/A
Lead	300	300	300	300	300	N/A

● SOIL BORING ● SOIL BORING THAT HAS CONCENTRATION WITH EXCEEDANCE

NOTES:
ALL UNITS IN MG/KG UNLESS OTHERWISE SPECIFIED.
MG/KG - MILLIGRAMS PER KILOGRAM (DRY WEIGHT).
COM/COMP - COMPOSITE SAMPLE.
DUP - FIELD DUPLICATE.
N/A - NOT APPLICABLE.
PCBS - POLYCHLORINATED BIPHENYLS.
RC - REPORTABLE CONCENTRATION.
TSCA - TOXIC SUBSTANCES CONTROL ACT.
SAMPLES WERE COLLECTED BY BETA GROUP, INC.
SPLIT SAMPLES WERE WITH GOLDMAN ENVIRONMENT AND ANALYZED BY GROUNWATER ANALYTICAL.
SAMPLE LOCATION NAMES ARE SLIGHTLY DIFFERENT FROM THAT IN DATA TABLES DUE TO PROGRAM CONSTRAINTS; SEE REPORT FOR DETAILS.

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

VALUES SHOWN IN YELLOW BACKGROUND EXCEED TSCA BUT ARE LESS THAN THE LISTED MASSDEP METHOD 1 STANDARDS.

SAMPLE LOCATION
SAMPLE DATE

101-GW-COM-2-S 12/19/05 Constituent	0.00 – 3.00
BAP	3.8
Arsenic	3.92
Barium	277
Cadmium	1.26
Chromium	18
Lead	346

SAMPLE DEPTH RANGE IN FEET

ALL BORING LOCATIONS ARE APPROXIMATE, BASED ON ESTIMATED 2005–2006 BETA LOCATIONS

APPROXIMATE GRAPHIC SCALE
0' 35' 70'

101 GREENWOOD STREET
NEW BEDFORD, MASSACHUSETTS

ANALYTICAL RESULTS SUMMARY MAP

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

DRAWN BY: PZ
CHECKED BY: DP
DATE: JUNE 2009

FIGURE 2

FILE: Q:\GEOSCI\GISKEY\Projects\NewBedford\Soil_Results_101 Greenwood St.DWG

SB-189 06/10/08 Constituent	1.00	3.50	7.00	11
BAP	NA	0.175 U	0.184 U	NA
Total PCBs	0.0673 J	0.0509 U	0.191 J	0.0531 U
Arsenic	NA	2.87	2.76 U	NA
Cadmium	NA	0.27 U	0.28 U	NA
Chromium	NA	4.83	4.61	NA
Lead	NA	4.5	31.1	NA
Nickel	NA	3.16	2.6	NA

SB-188 06/10/08 Constituent	1.00	4.50	9.00
BAP	NA	0.89	0.181 U
Total PCBs	0.580 J	0.742 J	0.0510 U
Arsenic	NA	22.8	4.33
Cadmium	NA	1.3	0.28 U
Chromium	NA	28.1	9.83
Lead	NA	801	4.34
Nickel	NA	30.8	6.31

SB-187 06/09/08 Constituent	4.00	6.00
BAP	NA	0.602
Total PCBs	0.2699 J	5.88 J
Arsenic	NA	32
Cadmium	NA	2.44
Chromium	NA	41.9
Lead	NA	846
Nickel	NA	33.6

SB-185 06/09/08 Constituent	2.00	4.00	6.00
BAP	NA	NA	1.75
Total PCBs	68.3 J	45.7 J	10.7 J
Arsenic	NA	NA	6.07
Cadmium	NA	NA	6.49
Chromium	NA	NA	8.82
Lead	NA	NA	673
Nickel	NA	NA	24.9

SB-196 06/10/08 Constituent	1.00	3.50	8.00
BAP	NA	0.172 U	NA
Total PCBs	0.284 J	0.191 J	0.204 J
Arsenic	NA	2.58 U	NA
Cadmium	NA	0.26 U	NA
Chromium	NA	2.93	NA
Lead	NA	4.78	NA
Nickel	NA	2.49	NA

K1_3 06/20/06 Constituent	DUP 0.50–3.00	7.50–8.00
Total PCBs	ND	5.150

L1_3 06/20/06 Constituent	1.00–4.00	9.00–10.00
Total PCBs	0.141	0.552

K5_5 06/20/06 Constituent	0.50–3.00	5.00–7.00
Total PCBs	ND	ND

102-GW-COM-1 06/20/06 Constituent	0.00–3.00	3.00–6.00	6.00–Native
BAP	0.43	0.27 U	0.29 U
Total PCBs	ND	ND	ND
Arsenic	1.52	3.48	6.79
Cadmium	0.44	0.8	0.7
Chromium	16	9.5	12
Lead	38	191	67
Nickel	NA	NA	NA

SB-190 06/09/08 Constituent	1.00	4.00	DUP 4.00	6.00	8.00
BAP	0.495	9.96 U	9.63 U	NA	0.182 U
Total PCBs	0.425 J	0.199 J	0.429 J	0.974 J	0.0522 U
Arsenic	5.87	11.5	8.08	NA	4.1
Cadmium	1.15	1.26	1.74	NA	0.28 U
Chromium	14.3	122	45.5	NA	10.8
Lead	258	1510	460	NA	3.87
Nickel	7.75	25.5	13.7	NA	4.44

M1_3 06/20/06 Constituent	3.00–4.00	7.50–8.00
Total PCBs	0.179	12.400

SB-191 06/09/08 Constituent	1.00	4.00	8.00
BAP	NA	0.22 U	0.186 U
Total PCBs	0.142 J	0.0648 U	0.0522 U
Arsenic	NA	8.23	4.2
Cadmium	NA	0.37	0.28 U
Chromium	NA	14.8	8.17
Lead	NA	219	4.39
Nickel	NA	9.9	3.99

SB-192 06/09/08 Constituent	1.00	4.00	9.00
BAP	NA	0.193 U	0.178 U
Total PCBs	0.0521 U	0.0532 U	0.0503 U
Arsenic	NA	8.68	4.66
Cadmium	NA	0.29 U	0.27 U
Chromium	NA	9.06	13.6
Lead	NA	157	2.64
Nickel	NA	4.53	4.96

SB-194 06/09/08 Constituent	1.00	4.00	9.00
BAP	0.359 U	0.467	0.182 U
Total PCBs	3.02 J	26.6 J	0.0532 U
Arsenic	13.9	11.3	2.73 U
Cadmium	1.52	2.55	0.28 U
Chromium	19.6	27	6.54
Lead	1030	559	5.02
Nickel	13.8	33.8	3.12

SB-193 06/09/08 Constituent	1.00	4.00	10.00
BAP	NA	0.211 U	0.181 U
Total PCBs	0.3013 J	0.299 J	0.0528 U
Arsenic	NA	14.2	3.72
Cadmium	NA	0.45	0.28 U
Chromium	NA	13	8.19
Lead	NA	161	3.9
Nickel	NA	17.8	4.07

SB-186 06/09/08 Constituent	2.00	3.40
BAP	NA	NA
Total PCBs	1.20 J	1.011 J
Arsenic	NA	NA
Cadmium	NA	NA
Chromium	NA	NA
Lead	NA	NA
Nickel	NA	NA

SB-195* 06/10/08 Constituent	1.00	7.50	9.00	11.00
BAP	NA	0.233 U	0.185 U	NA
Total PCBs	2.45 J	4.34 J	0.141 J	0.0515 U
Arsenic	NA	7.7	2.77 U	NA
Cadmium	NA	1.41	0.28 U	NA
Chromium	NA	9.73	7.4	NA
Lead	NA	982	4.43	NA
Nickel	NA	11.7	2.84	NA

Summary of Regulatory Comparison Criteria for Soil (mg/kg)						
Contaminant Names	S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RCS-1	TSCA
Benzo(a)pyrene (BAP)	2	2	4	4	2	N/A
Total PCBs	2	2	3	3	2	1
Arsenic	20	20	20	20	20	N/A
Cadmium	2	2	30	30	2	N/A
Chromium	30	30	200	200	30	N/A
Lead	300	300	300	300	300	N/A
Nickel	20	20	700	700	20	N/A

RCS-1 is listed for reference purposes only.

NOTES:
ALL UNITS IN MG/KG UNLESS OTHERWISE SPECIFIED.
MG/KG - MILLIGRAMS PER KILOGRAM (DRY WEIGHT).
J - ESTIMATED VALUE.
NA - SAMPLE NOT ANALYZED FOR THE LISTED ANALYTE.
N/A - NOT APPLICABLE.
ND - NOT DETECTED.
PCBS - POLYCHLORINATED BIPHENYLS.
RCS - REPORTABLE CONCENTRATIONS.
TSCA - TOXIC SUBSTANCES CONTROL ACT.
U - COMPOUND WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT.
* - IMAGE CORRECTED LOCATION - SAMPLE POINT LOCATION ADJUSTED FROM SURVEY TO COMPENSATE FOR GEOMETRIC DISTORTION (RELIEF DISPLACEMENT).

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

VALUES SHOWN IN YELLOW BACKGROUND EXCEED TSCA BUT ARE LESS THAN THE LISTED MASSDEP METHOD 1 STANDARDS.

SAMPLE LOCATION
SAMPLE DATE
CONTAMINANT NAME /ABBREVIATION

SB-192 06/09/08 Constituent	1.00	4.00	9.00
BAP	NA	0.193 U	0.178 U
Total PCBs	0.0521 U	0.0532 U	0.0503 U
Arsenic	NA	8.68	4.66
Cadmium	NA	0.29 U	0.27 U
Chromium	NA	9.06	13.6
Lead	NA	157	2.64
Nickel	NA	4.53	4.96

SAMPLE DEPTH (DEPTH RANGE) IN FEET

● SOIL BORING ● SOIL BORING THAT HAS CONCENTRATION WITH EXCEEDANCE

APPROXIMATE GRAPHIC SCALE
0' 10' 20' 30' 60'

102 GREENWOOD STREET NEW BEDFORD, MASSACHUSETTS

ANALYTICAL RESULTS SUMMARY MAP TRC AND BETA DATA

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

FIGURE 3

DRAWN BY: PZ
CHECKED BY: DP
DATE: JUNE 2009

FILE: Q:\GEOSCI\GISKEYProjects\NewBedford\Soil_Results_102 Greenwood St_TRC-and-BETA.DWG

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

Contaminant Names	S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RCS-1	TSCA
Benzo(a)pyrene (BAP)	2	2	4	4	2	N/A
Total PCBs	2	2	2	2	2	1
Arsenic	20	20	20	20	20	N/A
Barium	1000	1000	3000	3000	1000	N/A
Cadmium	2	2	30	30	2	N/A
Chromium	30	30	200	200	30	N/A
Lead	300	300	300	300	300	N/A

● SOIL BORING ● SOIL BORING THAT HAS CONCENTRATION WITH EXCEEDANCE

NOTES:
ALL UNITS IN MG/KG UNLESS OTHERWISE SPECIFIED.
MG/KG - MILLIGRAMS PER KILOGRAM (DRY WEIGHT).
COM/COMP - COMPOSITE SAMPLE.
ND - NOT DETECTED ABOVE METHOD DETECTION LIMIT.
NA - SAMPLE NOT ANALYZED FOR THE LISTED COMPOUND.
N/A - NOT APPLICABLE.
PCBS - POLYCHLORINATED BIPHENYLS.
RC - REPORTABLE CONCENTRATION.
TSCA - TOXIC SUBSTANCES CONTROL ACT.
U - COMPOUND WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT.
SAMPLES WERE COLLECTED BY BETA GROUP, INC.
SPLIT SAMPLES WERE WITH GOLDMAN ENVIRONMENT AND ANALYZED BY GROUNWATER ANALYTICAL.
SAMPLE LOCATION NAMES SLIGHTLY DIFFERENT FROM THAT IN DATA TABLES DUE TO PROGRAM CONSTRAINTS; SEE REPORT FOR DETAILS.

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

VALUES SHOWN IN YELLOW BACKGROUND EXCEED TSCA BUT ARE LESS THAN THE LISTED MASSDEP METHOD 1 STANDARDS.

SAMPLE LOCATION 111-GW-COM-4-D
SAMPLE DATE 12/19/05

Constituent	6.00-Native
BAP	5.4
Arsenic	21
Barium	183
Cadmium	2.47
Chromium	18
Lead	320

SAMPLE DEPTH RANGE IN FEET

ALL BORING LOCATIONS ARE APPROXIMATE, BASED ON ESTIMATED 2005-2006 BETA LOCATIONS

APPROXIMATE GRAPHIC SCALE
0' 35' 70'

111 GREENWOOD STREET NEW BEDFORD, MASSACHUSETTS

ANALYTICAL RESULTS SUMMARY MAP

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

DRAWN BY: PZ
CHECKED BY: DS
DATE: JUNE 2009

FIGURE 4

FILE: Q:\GEOSCI\GISKEY\Projects\NewBedford\Soil_Results_111 Greenwood St.DWG

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

Contaminant Names	S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1	TSCA
Benzo(a)pyrene (BAP)	2	2	4	4	2	N/A
Total PCBs	2	2	2	2	2	1
Arsenic	20	20	20	20	20	N/A
Barium	1000	1000	3000	3000	1000	N/A
Cadmium	2	2	30	30	2	N/A
Chromium	30	30	200	200	30	N/A
Lead	300	300	300	300	300	N/A

● SOIL BORING ● SOIL BORING THAT HAS CONCENTRATION WITH EXCEEDANCE

NOTES:
ALL UNITS IN MG/KG UNLESS OTHERWISE SPECIFIED.
MG/KG - MILLIGRAMS PER KILOGRAM (DRY WEIGHT).
COMP - COMPOSITE SAMPLE.
ND - NOT DETECTED ABOVE METHOD DETECTION LIMIT.
NA - SAMPLE NOT ANALYZED FOR THE LISTED COMPOUND.
N/A - NOT APPLICABLE.
PCBS - POLYCHLORINATED BIPHENYLS.
RC - REPORTABLE CONCENTRATION.
TSCA - TOXIC SUBSTANCES CONTROL ACT.
U - COMPOUND WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT.
SAMPLES WERE COLLECTED BY BETA GROUP, INC.

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

VALUES SHOWN IN YELLOW BACKGROUND EXCEED TSCA BUT ARE LESS THAN THE LISTED MASSDEP METHOD 1 STANDARDS.

SAMPLE LOCATION
SAMPLE DATE

C5_75 06/20/06 Constituent	3.00 – 5.00	5.00 – 8.00
Total PCBs	0.126	0.158

SAMPLE DEPTH RANGE IN FEET

ALL BORING LOCATIONS ARE APPROXIMATE, BASED ON ESTIMATED 2005–2006 BETA LOCATIONS

APPROXIMATE GRAPHIC SCALE
0' 10' 20' 30' 60'

98 RUGGLES STREET NEW BEDFORD, MASSACHUSETTS

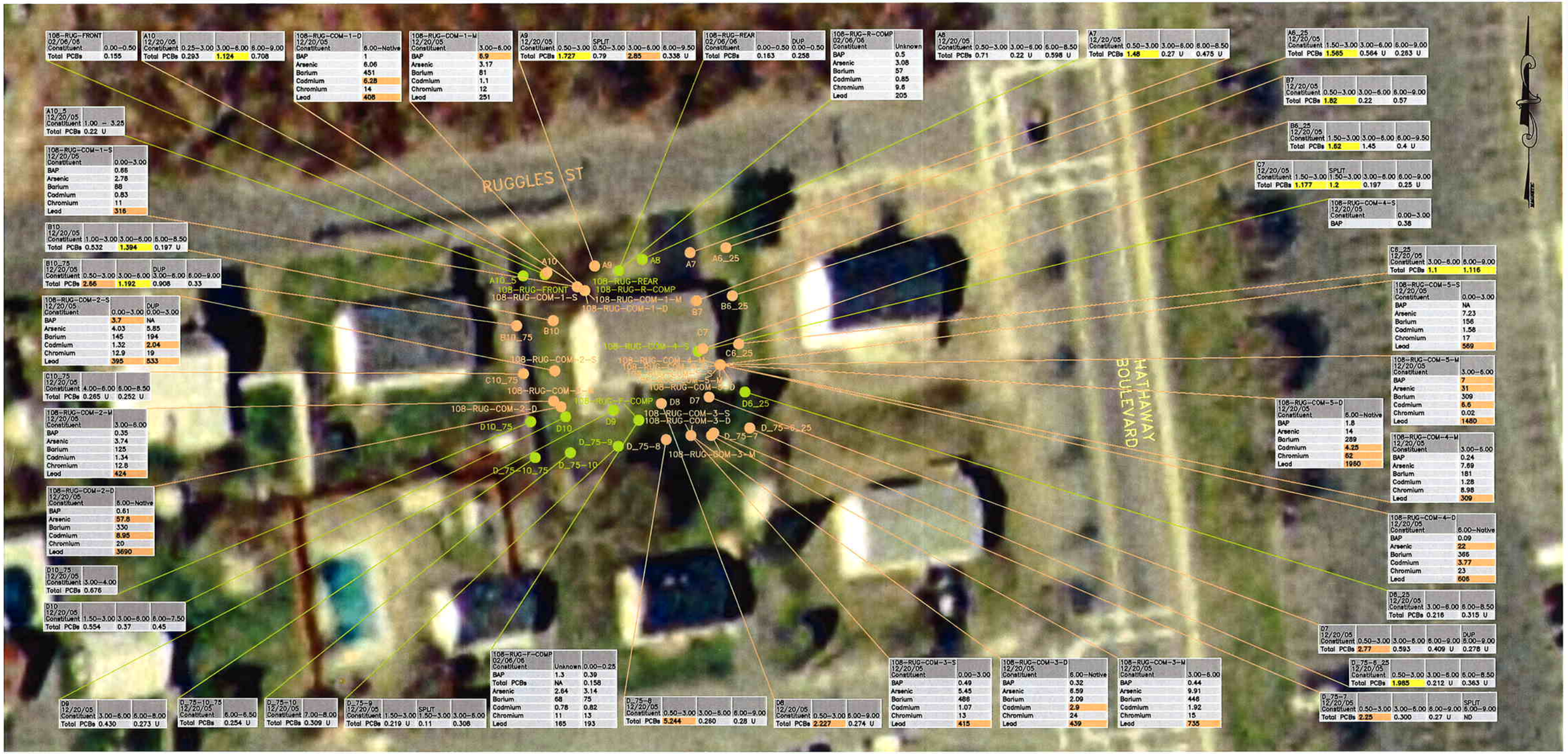
ANALYTICAL RESULTS SUMMARY MAP

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

DRAWN BY: PZ
CHECKED BY: DP
DATE: JUNE 2009

FIGURE 5

FILE: Q:\GEOSCI\DISKEY\Projects\NewBedford\Soil_Results_98 Ruggles St.DWG



Summary of Regulatory Comparison Criteria for Soil (mg/kg)						
Contaminant Names	S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RCS-1	TSCA
Benzo(a)pyrene (BAP)	2	2	4	4	2	N/A
Total PCBs	2	2	2	2	2	1
Arsenic	20	20	20	20	20	N/A
Barium	1000	1000	3000	3000	1000	N/A
Cadmium	2	2	30	30	2	N/A
Chromium	30	30	200	200	30	N/A
Lead	300	300	300	300	300	N/A

● SOIL BORING ● SOIL BORING THAT HAS CONCENTRATION WITH EXCEEDANCE

NOTES:
ALL UNITS IN MG/KG UNLESS OTHERWISE SPECIFIED.
MG/KG - MILLIGRAMS PER KILOGRAM (DRY WEIGHT).
COMP - COMPOSITE SAMPLE.
ND - NOT DETECTED ABOVE METHOD DETECTION LIMIT.
NA - SAMPLE NOT ANALYZED FOR THE LISTED COMPOUND.
N/A - NOT APPLICABLE.
PCBS - POLYCHLORINATED BIPHENYLS.
RC - REPORTABLE CONCENTRATION.
TSCA - TOXIC SUBSTANCES CONTROL ACT.
SAMPLES WERE COLLECTED BY BETA GROUP, INC.
SPLIT SAMPLES WERE WITH GOLDMAN ENVIRONMENT AND ANALYZED BY GROUNWATER ANALYTICAL.
SAMPLE LOCATION NAMES ARE SLIGHTLY DIFFERENT FROM THAT IN DATA TABLES DUE TO PROGRAM CONSTRAINTS; SEE REPORT FOR DETAILS.

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

VALUES SHOWN IN YELLOW BACKGROUND EXCEED TSCA BUT ARE LESS THAN THE LISTED MASSDEP METHOD 1 STANDARDS.

SAMPLE LOCATION D8
SAMPLE DATE 12/20/05 Constituent 0.50-3.00 6.00-9.00 SAMPLE DEPTH RANGE IN FEET
Total PCBs 2.227 0.274 U

ALL BORING LOCATIONS ARE APPROXIMATE, BASED ON ESTIMATED 2005-2006 BETA LOCATIONS

APPROXIMATE GRAPHIC SCALE
0' 20' 40' 80'

108 RUGGLES STREET NEW BEDFORD, MASSACHUSETTS

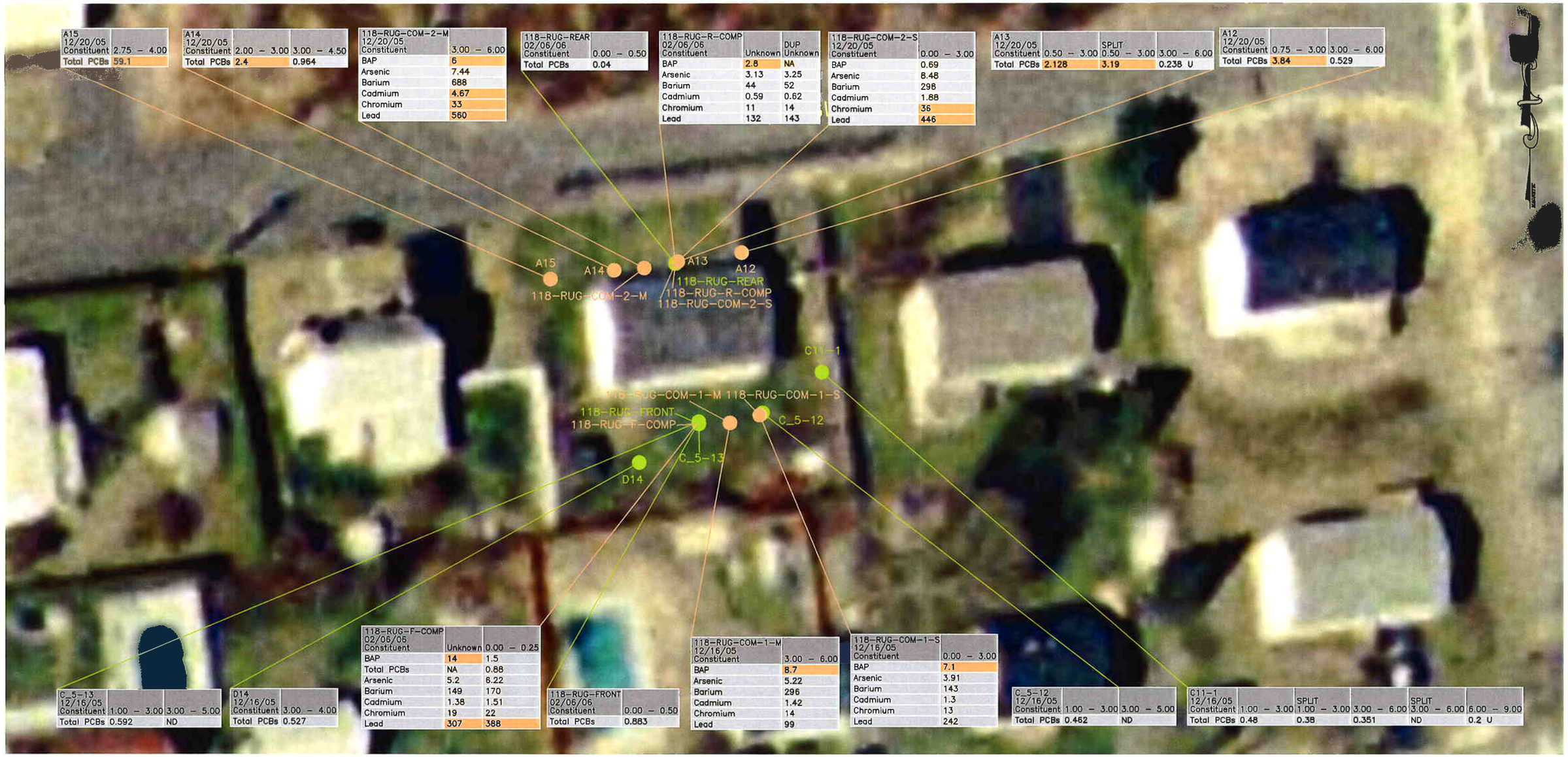
ANALYTICAL RESULTS SUMMARY MAP

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

DRAWN BY: PZ
CHECKED BY: DP
DATE: JUNE 2009

FIGURE 6

FILE: Q:\GEOSCI\GISKEYProjects\NewBedford\Soil_Results_108 Ruggles St.DWG



Summary of Regulatory Comparison Criteria for Soil (mg/kg)						
Contaminant Names	S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RCS-1	TSCA
Benzo(a)pyrene (BAP)	2	2	4	4	2	N/A
Total PCBs	2	2	2	2	2	1
Arsenic	20	20	20	20	20	N/A
Barium	1000	1000	3000	3000	1000	N/A
Cadmium	2	2	30	30	2	N/A
Chromium	30	30	200	200	30	N/A
Lead	300	300	300	300	300	N/A

NOTES:
ALL UNITS IN MG/KG UNLESS OTHERWISE SPECIFIED.
MG/KG - MILLIGRAMS PER KILOGRAM (DRY WEIGHT).
COMP - COMPOSITE SAMPLE.
ND - NOT DETECTED ABOVE METHOD DETECTION LIMIT.
NA - SAMPLE NOT ANALYZED FOR THE LISTED COMPOUND.
N/A - NOT APPLICABLE.
PCBS - POLYCHLORINATED BIPHENYLS.
RC - REPORTABLE CONCENTRATION.
TSCA - TOXIC SUBSTANCES CONTROL ACT.
SAMPLES WERE COLLECTED BY BETA GROUP, INC.
SPLIT SAMPLE WERE WITH GOLDMAN ENVIRONMENT AND ANALYZED BY GROUNWATER ANALYTICAL.
SAMPLE LOCATION NAMES ARE SLIGHTLY DIFFERENT FROM THAT IN DATA TABLES DUE TO PROGRAM CONSTRAINTS; SEE REPORT FOR DETAILS.

● SOIL BORING ● SOIL BORING THAT HAS CONCENTRATION WITH EXCEEDANCE

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

SAMPLE LOCATION
SAMPLE DATE

A14			
12/20/05			
Constituent	2.00 – 3.00	3.00 – 4.50	SAMPLE DEPTH RANGE IN FEET
Total PCBs	2.4	0.964	

ALL BORING LOCATIONS ARE APPROXIMATE, BASED ON ESTIMATED 2005–2006 BETA LOCATIONS

APPROXIMATE GRAPHIC SCALE

0' 10' 20' 30' 60'

118 RUGGLES STREET
NEW BEDFORD, MASSACHUSETTS

ANALYTICAL RESULTS SUMMARY MAP

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

FIGURE 7

DRAWN BY: PZ
CHECKED BY: DP
DATE: JUNE 2009

FILE: Q:\GEOSCI\GISKEY\Projects\NewBedford\Soil_Results_118 Ruggles St.DWG

APPENDIX A

SOIL BORING LOGS

TRC

Geoprobe Soil Log

Client/Project City of New Bedford	**Project No.** 115058	**Boring No.** SB-185 / **Well No.** NA	**Sheet** 1 of 1
Soil Gas Screening Number and AOC Location: Northeast corner of 102 Greenwood garage (interior location)		**TRC Geologist** Charles Foster	
Geoprobe Contractor/Foreman NEG/ Dan Regan & Bill Meadows	**Geoprobe Make/Model** Hand Tools	**Sampling Description** Continuous	
Sampler Description: 24'' Large Bore Sampler	**Sampling Method** Continuous	**Coordinates** X= Y=	
Temporary piezometer or screen point: NA	**Auger Diameter (if used):** NA	**Ref. El.:**	
Depth NA	**Sampler Diameter:** 1.25"	**Riser Stick-up:** NA	
Screen Length/Type: NA	**Water Table Depth:** Unknown	**Surface Elevation:**	
Riser Length/Type: NA	**Total Depth:** 6 feet	**Date Start:** 6/9/08	**Date Finish:** 6/9/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	24"/6"	Cored approximately 3" of CONCRETE 6" Dark brown fine SAND, trace glass, wood debris, slag, coal, possibly ash and fine gravel		OS = bkg HS = NA (due to volume)
2	S-2	24"/6"	6" Brown fine SAND, SILT and BRICKS, trace organic peat in tip, cloth wads also present		OS = bkg HS = NA (due to volume)
3					
4	S-3	24"/10"	10" Organic PEAT, some silt, ash and fine sand, trace foam		OS = bkg HS = NA (due to volume)
5					
6			End of Boring 6 ft		
7					
8					
9					
10					
11					
12					
13					

Granular Soils

Blows/ft	Density
0-4	v. loose
4-10	loose
10-30	m. dense
30-50	dense
>50	v. dense

Proportions

trace	0-10%	some	20-35%
little	10-20%	and	35-50%

Cohesive Soils

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

Grain Size (USCS)

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

Notes/Sample details

1) SB-185- 2@ 0850 for PCBs
2) SB-185-4 @ 0855for PCBs,
3) SB-185-6 @ 0900 for PCBs, Metals & PAHs
4)
5)

TRC

Geoprobe Soil Log

Client/Project City of New Bedford	**Project No.** 115058	**Boring No.** SB-186 / **Well No.** NA	**Sheet** 1 of 1
Soil Gas Screening Number and AOC Location: Southeast corner of 102 Greenwood garage (interior location)		**TRC Geologist** Charles Foster	
Geoprobe Contractor/Foreman NEG/ Dan Regan & Bill Meadows	**Geoprobe Make/Model** Hand Tools	**Sampling Description** Continuous	
Sampler Description: 24'' Large Bore Sampler	**Sampling Method** Continuous	**Coordinates** X= Y=	
Temporary piezometer or screen point: NA	**Auger Diameter (if used):** NA	**Ref. El.:**	
Depth NA	**Sampler Diameter:** 1.25"	**Riser Stick-up:** NA	
Screen Length/Type: NA	**Water Table Depth:** Unknown	**Surface Elevation:**	
Riser Length/Type: NA	**Total Depth:** 3.4 feet	**Date Start:** 6/9/08	**Date Finish:** 6/9/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	24"/6"	6" Brown FILL, some fine sand, bricks, wood debris, coal, possible ash, blue glass		OS = bkg HS = NA (due to volume)
2	S-2	24"/10"	10" Brown to black fine SAND and FILL (coal, slag, glass, possible ash), cobble pushed at 3.4 feet (refusal)		OS = bkg HS = NA (due to volume)
3					
4					
5			End of Boring - Refusal at 3.4 ft		
6					
7					
8					
9					
10					
11					
12					
13					

Granular Soils

Blows/ft	Density
0-4	v. loose
4-10	loose
10-30	m. dense
30-50	dense
>50	v. dense

Proportions

trace	0-10%	some	20-35%
little	10-20%	and	35-50%

Cohesive Soils

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

Grain Size (USCS)

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

Notes/Sample details

1) SB-186-2@ 0915 for PCBs
2) SB-186-3.4 @ 0920 for PCBs
3)
4)
5)

TRC

Geoprobe Soil Log

Client/Project City of New Bedford	**Project No.** 115058	**Boring No.** SB-187	**Sheet** 1 of 1
		Well No. NA	
Soil Gas Screening Number and AOC Location: Northeast corner 102 Greenwood basement (interior location)		**TRC Geologist** Charles Foster	
Geoprobe Contractor/Foreman NEG/ Dan Regan & Bill Meadows	**Geoprobe Make/Model** Hand Tools	**Sampling Description** Continuous	
Sampler Description: 24'' Large Bore Sampler	**Sampling Method** Continuous	**Coordinates** X= Y=	
Temporary piezometer or screen point: NA	**Auger Diameter (if used):** NA	**Ref. El.:**	
Depth NA	**Sampler Diameter:** 1.25"	**Riser Stick-up:** NA	
Screen Length/Type: NA	**Water Table Depth:** NA	**Surface Elevation:**	
Riser Length/Type: NA	**Total Depth:** 6 feet	**Date Start:** 6/9/08	**Date Finish:** 6/9/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing	
	S-1	24"/3"	Cored approximately 5" of CONCRETE			
1			4" Concrete Dust		OS = bkg HS = NA (due to volume)	
			3" Brown fine SAND, some fine gravel, trace coal and glass (not enough recovery to sample)			
2	S-2	24"/4"				
			4" Brown fine SAND, some silt, trace brick and plastic		OS = bkg HS = NA (due to volume)	
3						
4						
	S-3	24"/16"	16" Dark brown to blackish fine SAND, some silt with fill (bricks, ash, coal, glass, stringy fiberglass shards)		OS = bkg HS = NA (due to volume)	
5						
6			End of Boring 6 ft (Borehole collapsed)			
7						
8						
9						
10						
11						
12						
13						

Granular Soils

Blows/ft	Density
0-4	v. loose
4-10	loose
10-30	m. dense
30-50	dense
>50	v. dense

Proportions

trace	0-10%	some	20-35%
little	10-20%	and	35-50%

Cohesive Soils

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

Grain Size (USCS)

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

Notes/Sample details

1) SB-187- 4 @ 0955 for PCBs
2) SB-187-6 @ 1000 for PCBs, PAHs, & Metals
3)
4)
5)

TRC

Geoprobe Soil Log

Client/Project City of New Bedford	**Project No.** 115058	**Boring No.** SB-188	**Sheet** 1 of 1
		Well No. NA	
Soil Gas Screening Number and AOC Location: Front (northwest) corner of 102 Greenwood house		**TRC Geologist** Jeff Saunders	

Geoprobe Contractor/Foreman NEG/ Bill Meadows	**Geoprobe Make/Model** AMS 9100 Track Rig	**Sampling Description** Continuous Macro-cores
Sampler Description: 48'' Macrocore	**Sampling Method** Continuous	**Coordinates** X= Y=
Temporary piezometer or screen point: NA	**Auger Diameter (if used):** NA	**Ref. El.:**
Depth NA	**Sampler Diameter:** 2"	**Riser Stick-up:** NA
Screen Length/Type: NA	**Water Table Depth:** ~8 feet	**Surface Elevation:**
Riser Length/Type: NA	**Total Depth:** 12 feet	**Date Start:** 6/10/08 **Date Finish:** 6/10/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/18"	4" Dark brown organic SILT, trace, wood debris (mulch), glass and roots, no staining, no odor		OS = bkg HS = bkg
2			14" Dark brown SILT and FINE SAND, trace glass, coal, ash (ash layer appears to be at ~4 feet bgs), slightly moist, no odor, no staining		
3					
4					
5	S-2	48"/18"	12" Fine SAND & FILL material (ash, coal, slag, glass), loose, slightly moist, no odor, no staining		OS = bkg HS = bkg
6			6" Organic SILT (peat material), slightly moist to moist (possible second ash layer below peat based on tip), no odor, no staining		
7					
8					
9	S-3	48"/42"	12' Dark brown SILT & FINE SAND, trace fine gravel & fine to medium sand, wet, no odor, no staining		OS = bkg HS = bkg
10			30" Tan to orange-brown fine to medium SAND, little coarse sand & fine to coarse gravel, trace silt, wet, dense, mottling, no odor, no staining		
11					
12			End of Boring 12 ft.		
13					

Granular Soils

Blows/ft	Density
0-4	v. loose
4-10	loose
10-30	m. dense
30-50	dense
>50	v. dense

Proportions

trace	0-10%	some	20-35%
little	10-20%	and	35-50%

Cohesive Soils

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

Grain Size (USCS)

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

Notes/Sample details

1) SB-188-1 @ 1040 for PCBs
2) SB-188-4.5 @ 1050 for PCBs, Metals & PAHs (split sample collected by R. Kranes – Goldman Environmental)
3) SB-188-9 @ 1055 for PCBs, Metals & PAHs
4) SB-188-12 @ 1100 for PCBs, Metals, & PAHs (HOLD)
5)

TRC

Geoprobe Soil Log

Client/Project City of New Bedford	**Project No.** 115058	**Boring No.** SB-189	**Sheet** 1 of 1
		Well No. NA	
Soil Gas Screening Number and AOC Location: Northwest corner of 102 Greenwood yard		**TRC Geologist** Jeff Saunders	
Geoprobe Contractor/Foreman NEG/ Bill Meadows	**Geoprobe Make/Model** AMS 9100 Track Rig	**Sampling Description** Continuous Macro-cores	
Sampler Description: 48'' Macrocore	**Sampling Method** Continuous	**Coordinates** X= Y=	
Temporary piezometer or screen point: NA	**Auger Diameter (if used):** NA	**Ref. El.:**	
Depth NA	**Sampler Diameter:** 2"	**Riser Stick-up:** NA	
Screen Length/Type: NA	**Water Table Depth:** ~8 feet	**Surface Elevation:**	
Riser Length/Type: NA	**Total Depth:** 12 feet	**Date Start:** 6/10/08	**Date Finish:** 6/10/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing	
1	S-1	48"/36"	6" Brown organic SILT, some fine sand, trace roots, no staining, no odor 24" Dark brown fine SAND, some silt, little medium to coarse sand, trace fine gravel, coal and glass, no staining, no odor 6" Tan fine to medium SAND, trace fine gravel, slightly moist, no odor, no staining		OS = bkg HS = bkg	
5	S-2	48"/40"	30" Tan fine to medium SAND, trace fine gravel, slightly moist to moist, no odor, no staining 5" Dark brown fine SAND, trace rock fragments, coal and possibly ash , moist, no odor, no staining 5" Brown SILT & FINE SAND, moist to wet, no staining, no odor		OS = bkg HS = bkg	
9	S-3	48"/30"	30" Tan-brown SILT & FINE SAND, trace fine to coarse gravel & medium to coarse sand, wet, no odor, no staining End of Boring 12 ft.		OS = bkg HS = bkg	

Granular Soils

Blows/ft	Density
0-4	v. loose
4-10	loose
10-30	m. dense
30-50	dense
>50	v. dense

Proportions

trace 0-10% some 20-35%
little 10-20% and 35-50%

Cohesive Soils

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

Grain Size (USCS)

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

Notes/Sample details

1) SB-189-1 @ 1000 for PCBs
2) SB-189-3.5 @ 1005 for PCBs, Metals & PAHs
3) SB-189-7 @ 1010 for PCBs, Metals & PAHs
4) SB-189-11 @ 1020 for PCBs, Metals, & PAHs (HOLD)
5)

Geoprobe Soil Log

TRC

Client/Project City of New Bedford	**Project No.** 115058	**Boring No.** SB-190	**Sheet** 1 of 1
		Well No. NA	
Soil Gas Screening Number and AOC Location: West side of 102 Greenwood (west of gas service)		**TRC Geologist** Charles Foster	
Geoprobe Contractor/Foreman NEG/ Bill Meadows	**Geoprobe Make/Model** 540M Dolly Rig	**Sampling Description** Continuous Macro-cores	
Sampler Description: 48'' Macrocore	**Sampling Method** Continuous	**Coordinates** X= Y=	
Temporary piezometer or screen point: NA	**Auger Diameter (if used):** NA	**Ref. El.:**	
Depth NA	**Sampler Diameter:** 2"	**Riser Stick-up:** NA	
Screen Length/Type: NA	**Water Table Depth:** ~10 feet	**Surface Elevation:**	
Riser Length/Type: NA	**Total Depth:** 12 feet	**Date Start:** 6/9/08	**Date Finish:** 6/9/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/30"	4" Organic TOP SOIL and roots, trace grass 18" Tan fine to coarse SAND, some fine gravel 8" Black to brown FILL (glass, brick, ash, metal (spark plug), and 4" TAR with asphalt odor)		OS = 15.4 ppm HS = 60.1 ppm
5	S-2	48"/30"	10" Black to brown FILL (glass, brick, ash, slate, metal, tar and brown to orange fine to coarse sand) 10" Organic PEAT and SILT, some decomposed organic matter 10" Tan fine to medium SAND, some fine gravel, trace silt		OS = bkg HS = bkg
9	S-3	48"/32"	32" Tan fine to coarse SAND and fine GRAVEL, trace silt, wet at 10 feet End of Boring 12 ft.		OS = bkg HS = bkg

Granular Soils

Blows/ft	Density
0-4	v. loose
4-10	loose
10-30	m. dense
30-50	dense
>50	v. dense

Proportions

trace 0-10% some 20-35%
little 10-20% and 35-50%

Cohesive Soils

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

Grain Size (USCS)

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

Notes/Sample details

1) SB-190-1 @ 1050 for PCBs, Metals, & PAHs
2) SB-190-4 @ 1115 for PCBs, Metals, PAHs, VPH, EPH & GC Fingerprint
3) SB-190-D @ 0915 (Duplicate of SB-190-4 for PCBs, Metals & PAHs)
4) SB-190-6 @ 1130 for PCBs
5) SB-190-8 @ 1135 for PCBs, Metals, & PAHs
6) SB-190-11 @ 1145 for PCBs, PAHs, & Metals (HOLD)

TRC

Geoprobe Soil Log

Client/Project City of New Bedford	**Project No.** 115058	**Boring No.** SB-191	**Sheet** 1 of 1
		Well No. NA	
Soil Gas Screening Number and AOC Location: Southwest corner of 102 Greenwood (adjacent to patio)		**TRC Geologist** Charles Foster	

Geoprobe Contractor/Foreman NEG/ Bill Meadows	**Geoprobe Make/Model** 540M Dolly Rig	**Sampling Description** Continuous Macro-cores
Sampler Description: 48'' Macrocore	**Sampling Method** Continuous	**Coordinates** X= Y=
Temporary piezometer or screen point: NA	**Auger Diameter (if used):** NA	**Ref. El.:**
Depth NA	**Sampler Diameter:** 2"	**Riser Stick-up:** NA
Screen Length/Type: NA	**Water Table Depth:** ~10 feet	**Surface Elevation:**
Riser Length/Type: NA	**Total Depth:** 12 feet	**Date Start:** 6/9/08 **Date Finish:** 6/9/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
	S-1	48"/32"	6" Organic TOP SOIL & roots, trace grass		OS = bkg HS = bkg
1			4" Orange Brick		
			4" Dark black to shiny fine to coarse GRAVEL and fine SAND, trace coal		
2					
			14" Tan fine to coarse SAND, some fine gravel		
3					
			4" Tan to brown ASH and glass, trace slag		
4					
	S-2	48"/30"	8" Dark brown FILL (ash, glass and slag)		OS = bkg HS = bkg
5			12" Organic PEAT, some silt, trace mottling (tan)		
6			10" Tan fine to coarse SAND, some fine gravel, trace silt (orange oxidation-reduction hue)		
7					
8					
	S-3	48"/38"	38" Tan fine to coarse SAND, some fine gravel (multi-colored gravel & sand) and silt, wet at 10 feet		OS = bkg HS = bkg
9					
10					
11					
12			End of Boring 12 ft.		
13					

Granular Soils

Blows/ft	Density
0-4	v. loose
4-10	loose
10-30	m. dense
30-50	dense
>50	v. dense

Proportions

trace 0-10% some 20-35%
little 10-20% and 35-50%

Cohesive Soils

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

Grain Size (USCS)

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

Notes/Sample details

1) SB-191-1 @ 1150 for PCBs
2) SB-191-4 @ 1155 for PAH, PCBs, & Metals
3) SB-191-8 @ 1200 for PCBs, Metals & PAHs
4) SB-191-11 @ 1130 for PCBs, Metals, & PAHs (HOLD)
5)

TRC

Geoprobe Soil Log

Client/Project City of New Bedford	**Project No.** 115058	**Boring No.** SB-192	**Sheet** 1 of 1
		Well No. NA	
Soil Gas Screening Number and AOC Location: Southwest corner of 102 Greenwood yard (west of pool)		**TRC Geologist** Charles Foster	
Geoprobe Contractor/Foreman NEG/ Bill Meadows	**Geoprobe Make/Model** 540M Dolly Rig	**Sampling Description** Continuous Macro-cores	
Sampler Description: 48'' Macrocore	**Sampling Method** Continuous	**Coordinates** X= Y=	
Temporary piezometer or screen point: NA	**Auger Diameter (if used):** NA	**Ref. El.:**	
Depth NA	**Sampler Diameter:** 2"	**Riser Stick-up:** NA	
Screen Length/Type: NA	**Water Table Depth:** ~10 feet	**Surface Elevation:**	
Riser Length/Type: NA	**Total Depth:** 12 feet	**Date Start:** 6/9/08	**Date Finish:** 6/9/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing	
1	S-1	48"/30"	4" Organic TOP SOIL and grass, trace fine gravel 18" Tan to brown fine to medium SAND, some fine gravel 8" Red brick FILL, some fine to medium sand, silt and fine gravel, trace coal		OS = bkg HS = bkg	
5	S-2	48"/28"	16" Tan to brown fine to medium SAND, some silt and fine gravel 6" Dark brown organic SILT/PEAT 6" Tan to brown fine to coarse SAND, some silt, trace fine gravel		OS = bkg HS = bkg	
9	S-3	48"/34"	34" Tan fine to coarse SAND, some silt and fine gravel, wet at 10 feet End of Boring 12 ft.	▼	OS = bkg HS = bkg	

Granular Soils

Blows/ft	Density
0-4	v. loose
4-10	loose
10-30	m. dense
30-50	dense
>50	v. dense

Proportions

trace 0-10% some 20-35%
little 10-20% and 35-50%

Cohesive Soils

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

Grain Size (USCS)

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

Notes/Sample details

1) SB-192-1 @ 1330 for PCBs
2) SB-192-4 @ 1335 for PAH, PCBs, & Metals
3) SB-192-9 @ 1345 for PCBs, Metals & PAHs
4) SB-192-11 @ 135 0 for PCBs, Metals, & PAHs (HOLD)
5)

TRC

Geoprobe Soil Log

Client/Project City of New Bedford	**Project No.** 115058	**Boring No.** SB-193	**Sheet** 1 of 1
		Well No. NA	
Soil Gas Screening Number and AOC Location: Southeast corner of 102 Greenwood yard (east of pool)		**TRC Geologist** Charles Foster	
Geoprobe Contractor/Foreman NEG/ Bill Meadows	**Geoprobe Make/Model** 540M Dolly Rig	**Sampling Description** Continuous Macro-cores	
Sampler Description: 48'' Macrocore	**Sampling Method** Continuous	**Coordinates** X= Y=	
Temporary piezometer or screen point: NA	**Auger Diameter (if used):** NA	**Ref. El.:**	
Depth NA	**Sampler Diameter:** 2"	**Riser Stick-up:** NA	
Screen Length/Type: NA	**Water Table Depth:** ~10 feet	**Surface Elevation:**	
Riser Length/Type: NA	**Total Depth:** 12 feet	**Date Start:** 6/9/08	**Date Finish:** 6/9/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing
1	S-1	48"/28"	2" Organic TOP SOIL and roots 18" Dark brown to grayish fine to coarse SAND and coal, trace glass (blue and clear) 8" Brown to orange to black FILL with glass, slag, ash and rusty metallic pieces		OS = bkg HS = bkg
5	S-2	48"/36"	24" FILL with melted glass, ash, black plastic, (possible capaciter waste) coal, ash, rubber, tar 2" Wood debris 10" Organic PEAT and SILT		OS = bkg HS = bkg
9	S-3	48"/36"	2" Mixed PEAT and gray SAND 34" Tan to gray fine to coarse SAND, some fine gravel, trace silt, wet at 10 feet End of Boring 12 ft.		OS = bkg HS = bkg

Granular Soils

Blows/ft	Density
0-4	v. loose
4-10	loose
10-30	m. dense
30-50	dense
>50	v. dense

Proportions

trace 0-10% some 20-35%
little 10-20% and 35-50%

Cohesive Soils

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

Grain Size (USCS)

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

Notes/Sample details

1) SB-193-1 @ 1305 for PCBs
2) SB-193-4 @ 1310 for PAH, PCBs, & Metals (plus MS/MSD)
3) SB-193-10 @ 1320 for PCBs, Metals & PAHs
4) SB-193-12 @ 1325 for PCBs, Metals, & PAHs (HOLD)
5)

TRC

Geoprobe Soil Log

Client/Project City of New Bedford	**Project No.** 115058	**Boring No.** SB-194	**Sheet** 1 of 1
		Well No. NA	
Soil Gas Screening Number and AOC Location: Southeast corner of 102 Greenwood yard (northeast of pool)		**TRC Geologist** Charlie Foster	

Geoprobe Contractor/Foreman NEG/ Bill Meadows	**Geoprobe Make/Model** 540M Dolly Rig	**Sampling Description** Continuous Macro-cores
Sampler Description: 48'' Macrocore	**Sampling Method** Continuous	**Coordinates** X= Y=
Temporary piezometer or screen point: NA	**Auger Diameter (if used):** NA	**Ref. El.:**
Depth NA	**Sampler Diameter:** 2"	**Riser Stick-up:** NA
Screen Length/Type: NA	**Water Table Depth:** ~10 feet	**Surface Elevation:**
Riser Length/Type: NA	**Total Depth:** 12 feet	**Date Start:** 6/9/08 **Date Finish:** 6/9/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing	
1	S-1	48"/32"	2" Organic TOP SOIL, roots, grass and silt 14" Brown SILT, some fine sand and fill (glass, ash and slag) 6" Brick and tan CLAY, some silt 10" Black to whitish ASH and fine to coarse sand, some brick, glass, slag and coal fragments		OS = bkg HS = bkg	
5	S-2	48"/26"	18" Alternating 4" layers of gray ash, black tar, red slate/shale, fecal odor, wet at 7 feet (perched water table) 8" Organic PEAT		OS = bkg HS = bkg	
9	S-3	48"/32"	32" Tan fine to coarse SAND, some fine gravel, wet at 10 feet	▼	OS = bkg HS = bkg	
13			End of Boring 12 ft.			

Granular Soils

Blows/ft	Density
0-4	v. loose
4-10	loose
10-30	m. dense
30-50	dense
>50	v. dense

Proportions

trace	0-10%	some	20-35%
little	10-20%	and	35-50%

Cohesive Soils

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

Grain Size (USCS)

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

Notes/Sample details

1) SB-194-1 @ 1405 for PAHs, PCBs, & Metals
2) SB-194-4 @ 1415 for PAH, PCBs, & Metals
3) SB-194-9 @ 1420 for PCBs, Metals & PAHs
4) SB-194-11 @ 1425 for PCBs, Metals, & PAHs (HOLD)
5)

TRC

Geoprobe Soil Log

Client/Project City of New Bedford	**Project No.** 115058	**Boring No.** SB-195	**Sheet** 1 of 1
		Well No. NA	
Soil Gas Screening Number and AOC Location: East side of 102 Greenwood yard (east of sidewalk/shrubs)		**TRC Geologist** Jeff Saunders	

Geoprobe Contractor/Foreman NEG/ Bill Meadows	**Geoprobe Make/Model** AMS 9100 Track Rig	**Sampling Description** Continuous Macro-cores
Sampler Description: 48'' Macrocore	**Sampling Method** Continuous	**Coordinates** X= Y=
Temporary piezometer or screen point: NA	**Auger Diameter (if used):** NA	**Ref. El.:**
Depth NA	**Sampler Diameter:** 2"	**Riser Stick-up:** NA
Screen Length/Type: NA	**Water Table Depth:** ~8-9feet	**Surface Elevation:**
Riser Length/Type: NA	**Total Depth:** 12 feet	**Date Start:** 6/10/08 **Date Finish:** 6/10/08

Depth	Sample Number	PEN/REC	Sample Description	Strati-graphic Description	Field Testing	
1	S-1	48"/24"	6" Dark brown organic SILT, some fine sand, trace glass, ash & coal 18" Brown fine SAND and FILL material (ash, coal, glass and slag), more coal in bottom 8", very slightly moist, no odor, no staining		OS = bkg HS = bkg	
5	S-2	48"/14"	4" Orange-brown fine SAND and FILL material (glass, coal and slag), moist, no odor, no staining 4" Organic SILT (peat), trace fine gravel, moist, no odor, no staining 5" ASH material, trace fine gravel, moist, no odor, no staining 1" Organic SILT (peat), moist , no odor, no staining		OS = bkg HS = bkg	
9	S-3	48"/40"	6" Dark brown organic SILT (peat) 26" Grey-brown SILT, some fine sand, dense, wet, no odor, no staining 8" Orange-brown fine to medium SAND, some coarse sand, trace fine gravel, wet, no odor, no staining End of Boring 12 ft.		OS = bkg HS = bkg	

Granular Soils

Blows/ft	Density
0-4	v. loose
4-10	loose
10-30	m. dense
30-50	dense
>50	v. dense

Proportions

trace	0-10%	some	20-35%
little	10-20%	and	35-50%

Cohesive Soils

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

Grain Size (USCS)

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

Notes/Sample details

1) SB-195-1 @ 0855 for PCBs
2) SB-195-7.5 @ 0910 for PAH, PCBs, & Metals
3) SB-195-9 @ 0915 for PCBs, Metals & PAHs
4) SB-195-11 @ 0920 for PCBs, Metals, & PAHs (HOLD)
5)

TRC

Geoprobe Soil Log

Client/Project City of New Bedford	**Project No.** 115058	**Boring No.** SB-196	**Sheet** 1 of 1
		Well No. NA	
Soil Gas Screening Number and AOC Location: East side of 102 Greenwood (northeast corner of yard)		**TRC Geologist** Jeff Saunders	
Geoprobe Contractor/Foreman NEG/ Bill Meadows	**Geoprobe Make/Model** AMS 9100 Track Rig	**Sampling Description** Continuous Macro-cores	
Sampler Description: 48'' Macrocore	**Sampling Method** Continuous	**Coordinates** X= Y=	
Temporary piezometer or screen point: NA	**Auger Diameter (if used):** NA	**Ref. El.:**	
Depth NA	**Sampler Diameter:** 2"	**Riser Stick-up:** NA	
Screen Length/Type: NA	**Water Table Depth:** ~8 feet	**Surface Elevation:**	
Riser Length/Type: NA	**Total Depth:** 12 feet	**Date Start:** 6/10/08	**Date Finish:** 6/10/08

Depth	Sample Number	PEN/REC	Sample Description	Stratigraphic Description	Field Testing
1	S-1	48"/36"	26" Light brown fine SAND, some silt and medium to coarse sand, trace roots (upper 4"), brick and fine gravel, slightly moist, no odor, no staining 10" Light brown to tan fine SAND, little medium to coarse sand, trace fine gravel, slightly moist, no odor, no staining		OS = bkg HS = bkg
5	S-2	48"/40"	40" Tan fine to medium SAND, trace rock fragments, slightly moist to wet at 8 feet, no odor, no staining	▼	OS = bkg HS = bkg
9	S-3	48"/24"	24" Tan to gray to brown fine to medium SAND, little silt and fine to medium gravel, wet, no odor, no staining End of Boring 12 ft.		OS = bkg HS = bkg

Granular Soils

Blows/ft	Density
0-4	v. loose
4-10	loose
10-30	m. dense
30-50	dense
>50	v. dense

Proportions

trace	0-10%	some	20-35%
little	10-20%	and	35-50%

Cohesive Soils

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

Grain Size (USCS)

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

Notes/Sample details

1) SB-196-1 @ 0925 for PCBs
2) SB-196-3.5 @ 0930 for PAH, PCBs, & Metals
3) SB-195-8 @ 0940 for PCBs, Metals & PAHs (HOLD)
4) SB-195-11 @ 0945 for PCBs, Metals, & PAHs (HOLD)
5)

APPENDIX B

COPY OF CHECK FOR MASSDEP RAM PLAN FEE

TRC

21 Griffin Road North
Windsor, CT 06095

640467

WACHOVIA BANK, N.A.
Wilmington, DE
62-22/311

CHECK DATE
08/14/09

PAY **Eight Hundred and 00/100 Dollars**********

AMOUNT
$800.00

TO Commonwealth of Massachusetts

RAM Plan
RTN 4-15685
City of New Bedford

By _____ MP
VOID AFTER 90 DAYS AUTHORIZED SIGNATURE

Security Check features included. Details on back

⑈640467⑈ ⑆031100225⑆ 2079950091538⑈

TRC

21 Griffin Road North
Windsor, CT 06095

EMILY BUSINESS FORMS 800.392.6018 VISION

640467

Invoice Number	Invoice Date	Description	Amount
FEE	08/13/09	Vendor # 030812 Regulatory Fee for (RAM Plan Submittal)	$800.00

APPENDIX C

MUNICIPAL NOTIFICATION LETTERS

Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.TRCsolutions.com

September 3, 2009

TRC Reference Number: 115058.0000.0000

Mayor Scott W. Lang
Office of the Mayor
City Hall, Room 311
New Bedford, Massachusetts 02740

RE: Notice of Implementation of Release Abatement Measures Under the Massachusetts Contingency Plan – 101, 102 and 111 Greenwood Street and 98, 108 and 118 Ruggles Street Buildings Demolition Activity, MassDEP RTNs 4-15685.

Dear Mr. Lang:

On behalf of the City of New Bedford (the "City"), and pursuant to 310 CMR 40.1403 of the Massachusetts Contingency Plan (MCP), TRC Environmental Corporation (TRC) has prepared this letter to inform you of implementation of a Release Abatement Measure (RAM) at the Greenwood Street and Ruggles Street Portion of the New Bedford High School Site located on the eastern end of Greenwood and Ruggles Streets at the intersection of Hathaway Street in New Bedford, Massachusetts.

The RAM that will be performed at this location involves disconnection of residences underground utilities, demolition of residences, on-site crushing of the building foundation and slab and use as fill for foundation hole, backfilling of the foundation hole with suitable off-site material, and may include excavation of asphalt driveways and off-site reuse, recycling, and/or disposal of the asphalt. Excavation and disposal activities are anticipated to begin on September 8, 2009.

If you have any questions concerning the RAM activities planned by the City, please do not hesitate to contact David Sullivan at TRC at (978) 656-3565 or David Fredette with the Department of Environmental Stewardship, at (508) 961-4576.

Sincerely,
TRC Environmental Corporation

David M. Sullivan, LSP, CHMM
Sr. Project Manager

Cc: David Fredette, New Bedford Department of Environmental Stewardship

Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.TRCsolutions.com

September 3, 2009

TRC Reference Number: 115058.0000.0000

Marianne B. De Souza
Health Department
1213 Purchase Street, First Floor
New Bedford, Massachusetts 02740

RE: Notice of Implementation of Release Abatement Measures Under the Massachusetts Contingency Plan – 101, 102 and 111 Greenwood Street and 98, 108 and 118 Ruggles Street Buildings Demolition Activity, MassDEP RTNs 4-15685.

Dear Ms. De Souza:

On behalf of the City of New Bedford (the "City"), and pursuant to 310 CMR 40.1403 of the Massachusetts Contingency Plan (MCP), TRC Environmental Corporation (TRC) has prepared this letter to inform you of implementation of a Release Abatement Measure (RAM) at the Greenwood Street and Ruggles Street Portion of the New Bedford High School Site located on the eastern end of Greenwood and Ruggles Streets at the intersection of Hathaway Street in New Bedford, Massachusetts.

The RAM that will be performed at this location involves disconnection of residences underground utilities, demolition of residences, on-site crushing of the building foundation and slab and use as fill for foundation hole, backfilling of the foundation hole with suitable off-site material, and may include excavation of asphalt driveways and off-site reuse, recycling, and/or disposal of the asphalt. Excavation and disposal activities are anticipated to begin on September 8, 2009.

If you have any questions concerning the RAM activities planned by the City, please do not hesitate to contact David Sullivan at TRC at (978) 656-3565 or David Fredette with the Department of Environmental Stewardship, at (508) 961-4576.

Sincerely,
TRC Environmental Corporation

David M. Sullivan, LSP, CHMM
Sr. Project Manager

Cc: David Fredette, New Bedford Department of Environmental Stewardship

APPENDIX D

SOIL MANAGEMENT PLAN

SOIL MANAGEMENT PLAN

Greenwood Street and Ruggles Street Buildings Demolition Activity

101, 102, and 111 Greenwood Street, and 98, 108, and 118 Ruggles Street
New Bedford, Massachusetts
Release Tracking Number 4-15685

Prepared for:

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

Prepared by:

TRC
Wannalancit Mills
650 Suffolk Street
Lowell, Massachusetts 01854

September 2009

TABLE OF CONTENTS

1.0 INTRODUCTION

The City of New Bedford Massachusetts (City) intends to perform construction activities to demolish six dwellings at 101, 102, and 111 Greenwood Street and 98, 108, and 118 Ruggles Street (hereinafter "Acquired Residential Properties") located on the eastern end of Greenwood and Ruggles Streets at the intersection of Hathaway Street in New Bedford, Massachusetts (the "Site"). The construction activities will be conducted pursuant to the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000 and related policies/guidance) and will include, but may not be limited to installation of a perimeter fence, excavation immediate replacement of soils to allow for the disconnection of underground dwelling utilities, demolition of the dwelling structures and disposal of the dwelling debris and disposal of the dwelling and demolition of the concrete foundations to two feet below ground surface and off-site disposal of the concrete breaking the basement slabs to enable drainage, and backfilling of the basement space with suitable off-site material and establishment of grass cover. The City does not plan on any soil disposal.

The soil associated with the limited excavation activities may contain concentrations of polynuclear aromatic hydrocarbons (PAHs), Polychlorinated Biphenyls (PCBs) and heavy metals above MCP Method 1 S-1 soil cleanup levels. The Release Abatement Measure (RAM) Plan in which this Soil Management Plan (SMP) document is contained provides a summary of soil analytical data collected during investigative work and figures summarizing the soil quality on a map for each location. Available soil borings can also be reviewed in appendices to the RAM Plan.

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

Other construction activities will be performed that require disposal of materials other than soils. The structures will then be demolished by the City's Department of Public Infrastructure (DPI), and the demolition materials will be placed directly into roll off containers. The demolition waste will then be disposed of at an approved construction and demolition waste facility. Upon completion of the demolition of the structures, the concrete foundations and slabs will be crushed on-site (or alternatively disposed of off-site). Utilizing an excavator with a concrete nibbler attachment, the building foundation and slab will be crushed on-site such that the maximum length of the largest dimension of any piece of concrete will be less than six inches.

1.1 Contact Information

The owner (the "Owner") of the project is:

City of New Bedford
133 William Street
New Bedford, Massachusetts 02740
Contact: Mr. David Fredette
(508) 961-4576

The Owner's LSP for this project is:

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

1.2 Roles and Responsibilities

The City and its Contractor will furnish all labor, equipment and materials required to complete the work including soil excavation, stockpiling, dust control, and off-Site transportation of soil and structure demolition materials from the Site. The City and/or its Contractor will also be responsible for obtaining all necessary Federal, state and local permits required for this work (e.g., Dig-Safe and other necessary permits that may be required by the City).

The City and its Contractor will not be responsible for obtaining approval from MassDEP Bureau of Waste Site Cleanup (BWSC), as required by the MCP at 310 CMR 40.0443, to implement this work. Such approval will be obtained by the LSP by submitting a Release Abatement Measure (RAM) to MassDEP describing the planned construction activities.

Under a separate contract/authorization, the LSP and/or the LSP's designee (hereafter referred to collectively as "the LSP") will be responsible for obtaining regulatory approval under the MCP to implement the proposed construction activities. The LSP will periodically inspect the construction activities to ensure consistency with the RAM, this SMP document and applicable MCP and MassDEP policies. Specifically, the LSP's role will include, but may not be limited to, inspection and oversight of the following activities:

- Structure Demolition
- Soil excavation
- Soil sampling
- Stockpiling/temporary roll-off containment
- Loading
- Off-Site transportation
- MCP related decontamination activities

The LSP will also collect any samples required to pre-characterize excavation area soils (as needed) and characterize soil for off-Site disposal (if any) and will procure the required laboratory analyses of these samples.

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

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

1.3 Existing Site Conditions

The Acquired Residential Properties portion of the Site (the "Site), is located on the eastern end of Greenwood and Ruggles Streets at the intersection of Hathaway Street in New Bedford, Massachusetts. The Site is bordered to the north by a vacant lot, to the east by a New Bedford High School parking lot, to the south by a church and residential properties, and to the west by residential properties.

The Site currently consists of unoccupied former single family dwellings. The Site is relatively level with a gentle slope up to the west on some lots. Historically the Site consisted of open space, which was filled by ash-laden waste materials sometime prior to development as housing.

In Massachusetts, the excavation and management of contaminated soil at disposal sites is regulated by the MCP. The purpose of the MCP is "to provide for the protection of health, safety, public welfare and the environment" by instituting a uniform mechanism for identifying contaminated soils and implementing appropriate response actions.

1.3.1 Release Abatement Measure (310 CMR 40.0440)

Certain construction and/or remediation related excavation activities at the Site will be performed as a RAM in accordance with the provisions of the MCP at 310 CMR 40.0440. A RAM Plan will be prepared by the LSP and will be submitted to MassDEP prior to initiating excavation activities. The RAM Plan will specify the planned soil excavation activities, identify the threat of release conditions and describe response actions. The soil management procedures outlined in Section 2.0 of this document will form the basis of the RAM. Throughout the course of the construction activities, the LSP may also prepare RAM Status Reports for submission to MassDEP as required by the MCP.

1.3.2 On-Site Crushing Procedures for Asphalt, Brick and Concrete Waste (310 CMR 16.00)

The Solid Waste Regulations and supporting policies establish requirements and procedures for on-site recycling of asphalt pavement, brick and concrete (i.e., the "ABC" policy". The RAM Plan will describe the planned concrete crushing and recycling activities.

1.3.3 Management Procedures for Remediation Waste (310 CMR 40.0030)

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

1.3.4 Interim Waste Management Policy for Petroleum-Contaminated Soils (WSC-94-400)

This policy outlines management practices for reuse, recycling, disposal, storage and transport of petroleum-contaminated soils, and presents related guidance. The policy's goals include encouraging management practices that provide for the destruction of volatile organic compounds (VOCs) or minimize the potential for migration/release of contaminants, and encouraging recycling of contaminated soils (e.g., asphalt batch recycling). The policies include guidelines for testing, storage, reuse/recycling, and establish acceptance criteria at recycling facilities.

1.3.5 Reuse and Disposal of Contaminated Soil at Massachusetts Landfills (COMM-97-001)

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

1.3.6 Bill of Lading (BWSC Forms 012A, 012B and 012C)

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

1.3.7 Hazardous Waste Manifest

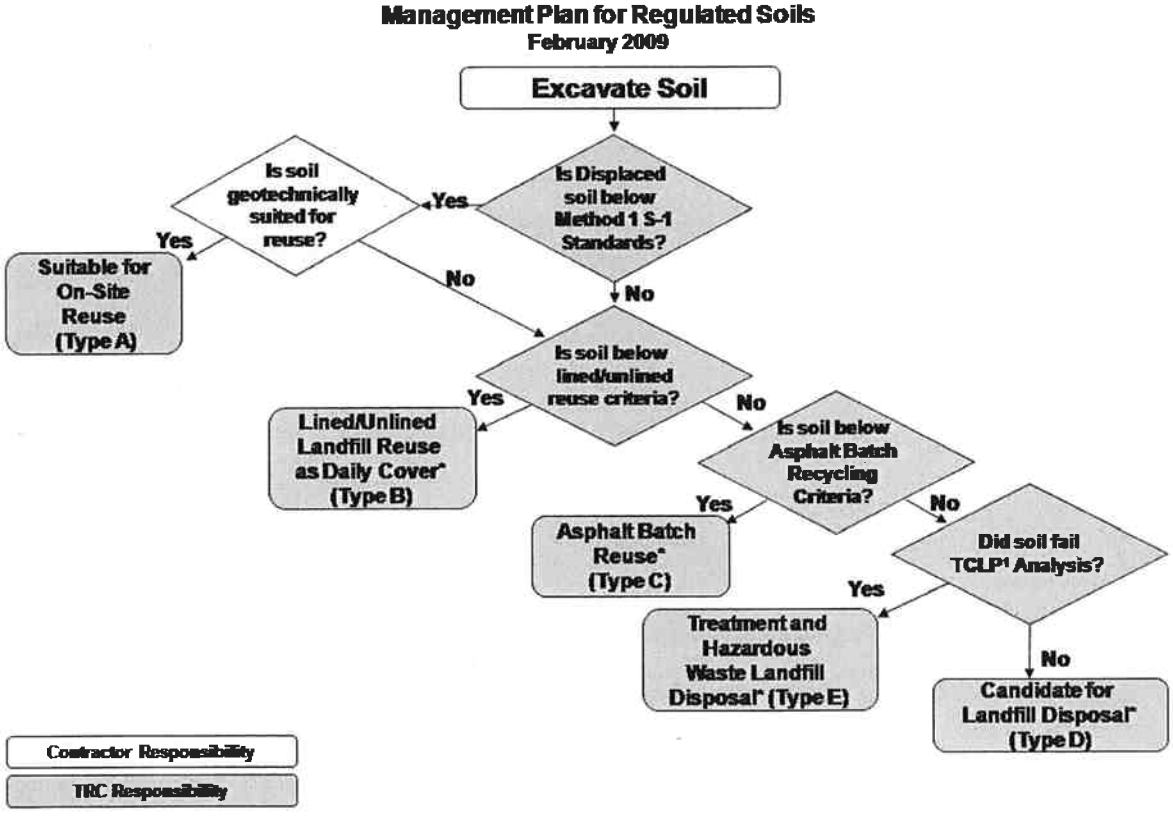
A Hazardous Waste Manifest is a MassDEP-approved form used to track the origin, quantity, composition, transportation and final destination of hazardous waste. Hazardous Waste Manifests should be utilized for shipping of any wastes subject to the Massachusetts Hazardous Waste Regulations (310 CMR 30.000).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

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

2.0 EXCAVATION OVERSIGHT

TRC personnel will provide periodic oversight during construction activities when soil is being excavated, backfilled, transported, or when excavation dewatering activities are occurring. The soil oversight personnel will be screening soil with pre-characterization analytical data and providing as needed clarification regarding the soil category to the Contractor to ensure soil is segregated to the appropriate stockpile pending final reuse, recycling and/or disposal determinations.

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



¹– TCLP = Toxicity Characteristic Leachate Procedure
***– Indicates that alternate disposal methods may become available based on changes in Site conditions and/or additional waste characterization data.**

Typical soil management options for a construction project at a listed Disposal Site may allow soil to be returned to the approximate location from which it came (i.e., excavation for disconnection of underground utilities) providing that it is chemically and geotechnically suitable

for reuse as backfill, with the geotechnical suitability determined by the construction Contractor and/or project Architect/Engineer. Chemical suitability is determined by the LSP. Soil that is suitable for on-site reuse may be returned directly to the excavation or stockpiled for later reuse in a nearby location. Soil that has been deemed unsuitable for reuse on-site will be segregated and stockpiled for off-site management (off-site reuse and/or disposal).

2.1 Soil Classification

It is currently anticipated that no soil will be displaced during Site construction activities. However, if required, soil displaced by construction activities will be classified by the following criteria. If the criteria are not in agreement, then the classification will be made based on the highest ranked factor.

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

Soil at a listed Disposal Site displaced by Construction Activities may be segregated into one or more of the following classifications:

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

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

Type A soils – Soil eligible for reuse on-site.

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

Type C soils are unsuitable for reuse on-site. These soils are suitable for recycling at an off-site asphalt batch facility.

Type D soils are unsuitable for on- or off-site reuse and off-site recycling. These soils do not indicate a failure of Toxicity Characteristic Leachate Procedure (TCLP) analysis. Therefore, these soils may be segregated and transported offsite for disposal at a non-hazardous waste landfill.

Type E soils have been characterized as unsuitable for reuse on-site. These soils failed TCLP analysis and will need to be segregated for off-site disposal as hazardous waste.

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

3.0 ON-SITE SOIL MANAGEMENT

It is currently anticipated that the limited amount of soil to be excavated during disconnection of site underground utilities, will be temporarily stockpiled adjacent to the limited excavation, and utilized to backfill the excavations upon completion of the disconnection of underground utilities. The soil will be returned to the excavation in the order it was removed, to the extent practicable.

3.1 On-Site Stockpile Disposition

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

3.2 Off-Site Reuse, Recycling and/or Disposal

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

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

3.3 Decontamination of Vehicles Transporting Soils

Vehicles used for demolition will rest on street plates to minimize disturbance to site soils. In the event vehicle decontamination is required, soils and mud will be removed from vehicles prior to their departure from the Site. A decontamination pad will be constructed by the Contractor prior to soil removal activities. The method of soil removal will likely be a combination of brushing the wheels to remove loose soils and/or passing vehicles through a decontamination station. Any liquids generated by vehicle decontamination will be drummed and transported off-site for disposal.

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

3.4 Supplementary Stockpile Characterization

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

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

APPENDIX E

CITY OF NEW BEDFORD DEMOLITION PLAN SUMMARY

CITY OF NEW BEDFORD
SCOTT W. LANG, MAYOR

ENVIRONMENTAL STEWARDSHIP DEPARTMENT/
NEW BEDFORD CONSERVATION COMMISSION

DEMOLITION PLAN
(101, 102 and 111 Greenwood Street; 98, 108 and 118 Ruggles Street)
August 28, 2009

WORK COMPLETED OR IN PROGRESS IN ADVANCE OF DEMOLITION:

1. The City of New Bedford's Inspectional Services Department issued demolition permits.

2. A pre-demolition audit was conducted to identify asbestos containing materials (ACM) and other potentially hazardous materials, such as mercury thermostats, paints, pesticides, fertilizer, and cleaning products.

3. The ACM were removed and disposed of by a licensed asbestos abatement contractor.

4. Other potentially hazardous materials were removed and disposed of by the City of New Bedford Department of Public Facilities (DPF).

5. Verizon, Comcast, NStar Electric, and NStar Gas, removed and or decommissioned their utility services to each of the houses.

6. Pest extermination was performed and the vendor completed and submitted documentation of completion to Inspectional Services Department.

7. TRC Environmental Inc prepared a Release Abatement Measure Plan to cover the work involved in the demolition project.

8. TRC Environmental Inc as well as Department of Public Infrastructure has prepared Health and Safety Plans to be implement as required during the demolition work.

PROPOSED SCHEDULE OF DEMOLITION WORK:

WORK BEGINNING ON OR ABOUT SEPTEMBER 8 AND CONTINUING THROUGH OCTOBER 23, 2009.

TASKS AS DETAILED BELOW DESCRIBE THE PROPOSED GENERAL FLOW OF WORK WITH SOME OVERLAP AND INTERCHANGING WHEN RESOURCES ARE AVAILABLE OR AS TASK COMPONENTS ARE COMPLETED.

ROOM 304 • 133 WILLIAM STREET • NEW BEDFORD, MA 02740
TEL. (508) 991-6188 • FAX (508) 961-3045 • TYY (508) 979-1661

Task 1

1. **PERIMETER FENCE INSTALLATION @ 102 GREENWOOD STREET;** A temporary chain link fence will be constructed along the south, east, and north property boundaries of 102 Greenwood St making connection to existing fencing at the south and west boundaries. One access gate will be located at the driveway. The fence will be constructed by Department of Public Infrastructure (DPI) using a hydraulic driving machine to push the fence posts into the ground so that no excavation will be necessary. Silt fence and hay bales will be installed down gradient of the perimeter fence to control runoff.

2. **STAGING OF THE WORK AREA @ 102 GREENWOOD STREET:** DPI will stage roll-off containers for debris loading and hauling in the driveway. The excavator will remain on steel plates as much as possible during demolition to avoid disturbing soil around the house. This method will be typical for the entire project. Prior to demolition, the lawn will be mowed and debris around the yard and the pool will be removed. Shrubs and trees requiring removal will be cut to ground level and removed.

Task 2

1. **PERIMETER FENCE INSTALLATION @ GREENWOOD & RUGGLES STREETS;** The five properties on Greenwood and Ruggles Streets (101 and 111 Greenwood Street and 98, 108 and 118 Ruggles Street) will be surrounded by one continuous chain link fence located on Greenwood and Ruggles Streets and Hathaway Boulevard. The fence will be connected to existing fencing west of 118 Ruggles and 111 Greenwood Streets. One access gate will be installed in the Hathaway Boulevard fence section. Silt fence and hay bales will be installed down gradient sections of the perimeter fence to control runoff.

2. **STAGING OF THE WORK AREA GREENWOOD & RUGGLES STREETS;** Steel plates will be placed to cover grass surfaces from the Hathaway Boulevard access to 118 Ruggles Street. The steel plates will be used to stage roll-off containers for debris loading and hauling. Additional steel plates will be positioned as needed to ensure the excavator remains on steel plating as much as possible to avoid disturbing the soil around each house. Prior to demolition, the lawn will be mowed and debris in the yards will be removed. Fences between dwellings will be removed. Shrubs and trees requiring removal will be cut to ground level and removed.

Task 3

1. **DEMOLITION @ 102 GREENWOOD STREET;** Roll-off containers will be staged as needed on the paved driveway. A track mounted excavator will be used to demolish the house and load the roll-off. Roll-off containers will be exchanged as needed. Full roll-off containers will be hauled to New Bedford Waste Services for disposal. Upon completing demolition of the house and deck, the concrete foundation will be removed to at least two feet below ground. Concrete pieces will be removed and segregated for disposal at a permitted landfill. The concrete pieces will be broom swept to remove soil and washed as needed over the excavated area to ensure that the concrete pieces are free of significant accumulation of soil. The concrete pieces will be loaded into separate roll-off containers and hauled to the landfill. The basement slab in the dwelling will be sufficiently broken and shattered using the excavator to enable drainage and will be left in place.

2. **DUST MITIGATION AND MONITORING;** Dust suppression, consisting of water spray fed by hose connection to a nearby hydrant, will be used. TRC Environmental Inc. will use dust monitoring

equipment continuously during demolition operations. Roll-off containers will be covered before leaving the site.

3. **BACKFILL AND RESTORATION;** Upon completion of the demolition, clean backfill material will be delivered to the site via the paved driveway and dumped adjacent to the excavated area. Delivery trucks will be kept on the driveway or steel plates. DPI will use the excavator to spread and grade the backfill material in 1' to 2' lifts and will compact using mechanical compaction. DPI will place and compact sufficient backfill to bring the excavation to existing finish grade surrounding the excavated area. DPI will cover the disturbed area with approximately 3" to 4" of loam.

4. **DEBRIS CONTROL AND EQUIPMENT DECONTAMINATION;** DPI will decontaminate equipment using dry sweeping techniques to remove soil from tires and tracks and otherwise keep the steel plates sufficiently clean so soil is not tracked off site. Upon completion of work at 102 Greenwood Street, the excavator will lift steel plates so they can be broom swept or washed as needed to ensure soil is removed. The excavator will be positioned at the driveway and broom swept to remove soil from the bucket and tracks before being loaded for transport off site.

5. **FINAL GRADING OF LOAM AND SEEDING;** After equipment is removed, loam will be fine graded by hand. All disturbed areas will be seeded. The silt fence and hay bales will be left in place until the grass is established.

Task 4

1. **DEMOLITION @ GREENWOOD & RUGGLES STREET BLOCK;** Roll-off containers will be staged as needed on the steel plates. A track mounted excavator will be used to demolish the dwelling structures and load the roll-off. Roll-off containers will be exchanged as needed. Full roll-off containers will be hauled to New Bedford Waste Services for disposal. Upon completing demolition of the dwelling and attached or associated structures, the concrete foundation will be removed to at least two feet below ground. Concrete pieces will be removed and segregated for disposal at a permitted landfill. The concrete pieces will be broom swept to remove soil and washed as needed over the excavated area to ensure that the concrete pieces are free of significant accumulation of soil. The concrete pieces will be loaded into separate roll-off containers and hauled to the landfill. The basement slab in each dwelling will be sufficiently broken and shattered using the excavator to enable drainage and will be left in place. The anticipated sequence of demolition is to begin with #118 Ruggles St., then # 111 Greenwood St., # 108 Ruggles St., # 101 Greenwood St., and finish with # 98 Ruggles Street.

2. **DUST MITIGATION AND MONITORING;** Dust suppression, consisting of water spray fed by hose connection to a nearby hydrant, will be used. TRC Environmental Inc. will use dust monitoring equipment continuously during demolition operations. Roll-off containers will be covered before leaving the site.

3. **BACKFILL AND RESTORATION;** Upon completion of the demolition, clean backfill material will be delivered to the site via the steel plates and dumped adjacent to the excavated area. Delivery trucks will be kept on steel plates. DPI will use the excavator to spread and grade the backfill material in 1' to 2' lifts and will compact using mechanical compaction. DPI will place and compact sufficient backfill to bring the excavation to existing finish grade surrounding the excavated area. DPI will cover the disturbed area with approximately 3" to 4" of loam.

4. **DEBRIS CONTROL AND DECONTAMINATION OF EQUIPMENT;** DPI will decontaminate equipment using dry sweeping techniques to remove soil from tires and tracks and otherwise keep the steel plates sufficiently clean so soil is not tracked off site. Upon completion of work at #118 Ruggles Street, the excavator will lift steel plates so they can be broom swept or washed as needed to ensure soil is removed and will begin demobilizing eastward as work is completed in the anticipated sequence. Upon completion of # 98 Ruggles Street, the excavator will be positioned at the last plate adjacent to Hathaway Boulevard and will be broom swept to remove soil from the bucket and tracks before being moved onto the street. The excavator will lift the last steel plate for cleaning and complete loading for transport off site.

5. **FINAL GRADING OF LOAM AND SEEDING;** After equipment is removed, loam will be fine graded by hand. All disturbed areas will be seeded. The silt fence and hay bales will be left in place until the grass is established.

ADDITIONAL NOTES PERTAINING TO DEMOLITION;

1. Typical hours of operations Monday through Friday 7:30 AM to 4:00 PM.
2. All dates are approximate, subject to weather and availability of qualified personnel.
3. Demolition work will be limited to clear dry days or light rain or.
4. Decontamination will be handled by dry sweeping with minimal use of water only as needed.
5. Heavy equipment is expected to remain on site throughout the demolition period.
6. The permitted landfill that will receive concrete debris has yet to be identified.
7. Ordinary backfill material will be tested before being used onsite.
8. DPI will provide a street sweeper as needed.
9. During demolition work, parking along the perimeter of the work site areas will be restricted as needed to prevent access problems. No parking signs will be posted.