

IMMEDIATE RESPONSE ACTION PLAN MODIFICATION

**New Bedford High School
230 Hathaway Boulevard
New Bedford, Massachusetts
Release Tracking Number 4-22409**

Prepared for:

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

Prepared by:

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TABLE OF CONTENTS

1.0	INTRODUCTION	1-1
1.1	Background.....	1-1
1.2	Licensed Site Professional.....	1-2
1.3	Person Assuming Responsibility for the Modified IRA.....	1-2
2.0	DESCRIPTION OF THE RELEASE, SITE CONDITIONS, AND SURROUNDING RECEPTORS.....	2-1
2.1	Description of the Release.....	2-1
2.2	Release Reporting.....	2-2
2.3	Site Conditions.....	2-2
2.4	Surrounding Receptors.....	2-3
2.4.1	Seep Impacts in the Mechanical Room.....	2-3
2.4.2	Groundwater Impacts near MW-7 and Potential Infiltration to the Sanitary Sewer.....	2-3
3.0	IRA OBJECTIVES AND MODIFIED IRA PLAN.....	3-1
3.1	IRA Objectives.....	3-1
3.2	Original IRA Plan.....	3-1
3.3	IRA Plan Modification.....	3-2
4.0	DESCRIPTION OF MODIFIED IMMEDIATE RESPONSE ACTIONS.....	4-1
4.1	Characterization of Separate Phase Liquid and Groundwater Impacts beneath the Mechanical Room.....	4-1
4.2	Proposed Pumping and Disposal of Impacted Groundwater.....	4-3
4.3	Performance Monitoring and Evaluation of the Need for Additional Pumping Events.....	4-3
5.0	PROPOSED SCHEDULE FOR THE MODIFIED IMMEDIATE RESPONSE ACTIONS.....	5-1
6.0	REMEDIAION WASTE MANAGEMENT STATEMENT.....	6-1
7.0	ENVIRONMENTAL MONITORING PLAN.....	7-1
8.0	FEDERAL, STATE & LOCAL PERMITS.....	8-1
9.0	SEAL AND SIGNATURE OF THE LICENSED SITE PROFESSIONAL.....	9-1
10.0	OTHER RELEVANT INFORMATION.....	10-1
10.1	Public Involvement.....	10-1
11.0	REFERENCES.....	11-1

TABLES

- Table 1: Summary of Analytical Results for Fingerprint Sample
Table 2: Summary of Analytical Results for Groundwater Samples in Vicinity of Mechanical Room

FIGURES

- Figure 1: Site Plan with Sampling Locations
Figure 2: Detail of Site Plan in Vicinity of Mechanical Room

APPENDICES

- Appendix A: Laboratory Data Report
Appendix B: Extraction Well Construction Log
Appendix C: Notification Letters to City of New Bedford Mayor and Board of Health

1.0 INTRODUCTION

TRC Environmental Corporation (TRC) has prepared this Immediate Response Action (IRA) Plan Modification for submittal to the Massachusetts Department of Environmental Protection (MassDEP) on behalf of the City of New Bedford, Massachusetts (the City) through the City's Department of Environmental Stewardship and in accordance with the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000). The original IRA Plan (TRC, 2010a), submitted in March 2010, addressed a Condition of Substantial Release Migration (SRM) at the New Bedford High School (NBHS) campus in New Bedford, Massachusetts, as defined under 310 CMR 40.0006 of the MCP. MassDEP assigned Release Tracking Number (RTN) 4-22409 to the Site. This modification serves to amend, not replace, the original IRA Plan and introduces remedial measures targeting separate phase liquid and associated impacted groundwater encountered beneath the NBHS Mechanical Room. This modification does not change previously approved IRA activities.

1.1 Background

In December 2009 and January 2010, TRC collected groundwater and aqueous samples near where groundwater appears to seep onto the concrete floor of the Mechanical Room of the NBHS Building. Analytical results for these samples suggested the potential for chlorinated volatile organic compounds (VOCs) to be present in indoor air in the building, representing an SRM and a possible Critical Exposure Pathway (CEP) as defined under 310 CMR 40.0006 of the MCP. Following release reporting to MassDEP, TRC conducted indoor air sampling on an expedited basis from several locations within the building near the groundwater seep and in other areas of the building, including classrooms. TRC's risk assessment of these data indicated that there is no significant risk to the health of building occupants based on MassDEP criteria.

TRC continued its investigation by sampling other environmental media and other locations. Through December 2010, TRC had collected samples from 4 seep locations, 33 monitoring wells, 15 storm or sanitary sewer manholes, 15 indoor air locations, and 12 subslab soil vapor locations. TRC also conducted an inventory of chemicals used in the Mechanical Room, and initiated an inventory of first floor drains and floor cracks in the A- and B-Blocks.

On August 30, 2010, during development of newly installed monitoring well MW-27 in the Mechanical Room of the NBHS Building, TRC personnel observed droplets of separate phase liquid entering the monitoring well. TRC collected a sample of the liquid and submitted it to Alpha Analytical Laboratories (Alpha) for analysis. The primary component of the liquid was identified as trichloroethylene (TCE). Investigations conducted subsequent to the discovery of the separate phase liquid have defined the nature and extent of this material in groundwater. This modification to the original IRA Plan describes a remedial measure proposed for the separate phase liquid and associated groundwater contamination encountered beneath the NBHS Mechanical Room.

The remaining sections of this IRA Plan Modification include: Section 2 (Description of the Release, Site Conditions, and Surrounding Receptors), Section 3 (IRA Objectives and Modified IRA Plan), Section 4 (Description of Modified Immediate Response Actions), Section 5 (Proposed

Schedule for the Modified Immediate Response Actions), Section 6 (Remediation Waste Management Statement), Section 7 (Environmental Monitoring Plan), Section 8 (Federal, State, and Local Permits), Section 9 (Seal and Signature of the Licensed Site Professional), Section 10 (Other Relevant Information), and Section 11 (References), Appendix A (Laboratory Data Reports), Appendix B (Extraction Well Construction Log), and Appendix C (Notification Letters to City of New Bedford Mayor and Board of Health)

1.2 Licensed Site Professional

The Licensed Site Professional (LSP) overseeing this Modified IRA is:

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

1.3 Person Assuming Responsibility for the Modified IRA

The party undertaking this Modified IRA is:

City of New Bedford
133 William Street, New Bedford, Massachusetts 02740
Contact: Mr. Scott Alfonse
(508) 991-6188

2.0 DESCRIPTION OF THE RELEASE, SITE CONDITIONS, AND SURROUNDING RECEPTORS

2.1 Description of the Release

Based on the data collection and evaluations described in previous IRA status reports, TRC has prepared the following description of the release condition. Note that some of the potential release conditions identified in the original IRA Plan were investigated and subsequently eliminated. Only the current release conditions are identified below:

Seep Impacts in the Mechanical Room. The Mechanical Room seeps were sampled for VOCs on December 2, 2009, January 7, 2010, and January 30, 2010. As described in the March 2010 IRA Plan, some of the VOC constituents were detected at concentrations greater than MCP Method 1 GW-2 groundwater standards.

Sampling of indoor air in the Mechanical Room confirmed that VOCs detected in the seeps were also present in the indoor air. The detection of chlorinated solvents in groundwater, seep water, and indoor air in the vicinity of the Mechanical Room defined the CEP¹ at the NBHS building.

Groundwater Impacts beneath the Mechanical Room Floor. On August 30, 2010, during development of monitoring well MW-27 in the Mechanical Room of the NBHS Building, TRC personnel observed droplets of chlorinated VOC separate phase liquid entering the monitoring well. Chlorinated VOCs were also detected in groundwater samples from two monitoring wells (MW-27 and MW-28) located in the Mechanical Room at the NBHS building at concentrations greater than MCP Method 1 GW-2 groundwater standards.

However, chlorinated VOCs have not been detected at concentrations greater than MCP Method 1 GW-2 groundwater standards in a deeper monitoring well located adjacent to MW-27 (MW-27D) or in shallow monitoring wells surrounding MW-27 (other than MW-28). The data collected to date indicate that the extent of the separate phase liquid is limited to the immediate vicinity of shallow monitoring well MW-27.

Groundwater Impacts and Potential Infiltration to the Sanitary Sewer. Groundwater assessment activities during 2010 identified chlorinated VOCs in monitoring well MW-7 at concentrations below MCP Method 1 GW-2 groundwater standards. Chlorinated VOCs have also been detected at concentrations below MCP Method 1 GW-2 groundwater standards in the two sanitary sewer manholes (SS-MH-3 and SS-MH-4) located downgradient from MW-7 at the southern end of the NBHS campus. A comparison of groundwater elevation contours to sewer line elevation data indicates that the sanitary sewer line intersects the groundwater table in the vicinity of manhole SS-MH-3. Both of the manholes where chlorinated VOCs have been detected at concentrations below MCP Method 1 GW-2 groundwater standards are located downgradient from the point where the water table intersects the sewer line.

¹ Section 40.0006 of the MCP defines a Critical Exposure Pathway (CEP) as a route by which subsurface contamination results in measurable concentrations of indoor air contamination in a school or residence.

2.2 Release Reporting

SRM conditions were reported to the MassDEP by TRC via telephone in conjunction with the City's Department of Environmental Stewardship on January 29, 2010 at approximately 11:05 AM. MassDEP orally approved the IRA at the Site, and assigned RTN 4-22409.

The orally-approved IRA consisted of the following:

- Monitoring of indoor air locations, including the Mechanical Room, for VOCs with expedited analysis. Recognizing that indoor air in the Mechanical Room may reflect materials stored in this area, MassDEP suggested that an inventory of chemicals stored at the NBHS building, relocation of indoor chemical sources, and ventilation of the Mechanical Room would be appropriate prior to re-sampling in this area;
- Re-sampling of seeps in the Mechanical Room; and
- Sealing of the floor seeps.

On August 31, 2010, the day after discovery of the separate phase liquid droplets in MW-27, TRC and representatives of the City of New Bedford discussed the matter with representatives of MassDEP Southeastern region. MassDEP agreed with TRC's recommendations for further investigation of the nature and extent of the separate phase liquid and any associated groundwater impacts.

2.3 Site Conditions

The NBHS campus in New Bedford, Massachusetts occupies approximately 35.4 acres. The NBHS campus is located on the north side of Parker Street between Hathaway Boulevard on the west and Liberty Street on the east, as indicated on Figure 1. NBHS is comprised of a single 529,192 square foot building (with a footprint of 233,903 square feet) surrounded by paved parking areas, lawn and landscaped areas for recreational use, and paved tennis courts. Approximately 48-percent of the NBHS campus is covered by impervious surfaces (e.g., pavement or building).

The NBHS building was constructed between 1970 and 1972 on land that was previously occupied by wetlands and was subject to land disturbance or disposal activity in the 1930s through the 1960s. The building construction includes a network of 6-inch polyvinyl chloride (PVC) sub-slab underdrains (a diagram of this system is contained in the original March 2010 IRA Plan). The underdrains are connected to the NBHS campus storm sewer system, which connects to the City's sanitary sewer system.

2.4 Surrounding Receptors

2.4.1 Seep Impacts in the Mechanical Room

Access to the unoccupied Mechanical Room is secure, but authorized adults can pass through the area while performing maintenance duties inside the Mechanical Room.

The HVAC systems in the Mechanical Room service the B-Block, and create a negative pressure condition in the Mechanical Room that mitigates potential migration of air from the Mechanical Room to other areas of the building. Based on investigations conducted to date chlorinated VOCs have been detected in indoor air within the Mechanical Room, but they have not been detected in samples collected from adjacent areas (see Figures 1 and 2 for sample locations).

Potential receptors therefore are limited to maintenance workers, including building engineers and custodial staff.

2.4.2 Groundwater Impacts near MW-7 and Potential Infiltration to the Sanitary Sewer

The surrounding receptors for this release area were discussed in the March 2010 IRA Plan (TRC, 2010a).

3.0 IRA OBJECTIVES AND MODIFIED IRA PLAN

The objectives and planned activities are under this IRA are summarized below:

3.1 IRA Objectives

The IRA initiated at this site addressed potential SRM conditions at the NBHS building and included the following objectives:

- Characterization of groundwater, seep water, soil vapor, and indoor air;
- Characterization of VOCs in groundwater, storm sewer lines, and sanitary sewer lines; and
- Implementation of mitigation measures in the NBHS building.

3.2 Original IRA Plan

Work performed under the original IRA Plan included:

- Characterization of indoor air;
- Additional characterization of subslab soil vapors;
- Additional characterization of groundwater from new and existing monitoring wells located in and around the NBHS building;
- Additional evaluation of the storm sewer system on the NBHS campus;
- Additional evaluation of the sanitary sewer system on the NBHS campus;
- Additional evaluation of the air handling systems, foundation cracks, floor drains, sink drains and other annular spaces;
- Evaluation of the CEP and implementation of CEP mitigation measures, where warranted;
- Removal of interior sources to evaluate potential contributions to indoor air readings if appropriate; and
- Sealing of drains and cracks.

The above mentioned work is documented in IRA Status Reports prepared by TRC and submitted to MassDEP in May and November, 2010 (TRC, 2010b and 2010c).

In addition, TRC oversaw the sealing of seeps in the Mechanical Room floor (initiated during the December 2010 holiday break at NBHS), which will be described in future regulatory submittals for this IRA.

3.3 IRA Plan Modification

This IRA Plan Modification adds the removal of chlorinated VOC-impacted groundwater in the vicinity of MW-27 by pumping and vacuum extraction (Total Fluid Extraction [TFE]) and off-site disposal to the previously approved IRA activities.

4.0 DESCRIPTION OF MODIFIED IMMEDIATE RESPONSE ACTIONS

Discovery and characterization of the separate phase liquid beneath the NBHS Mechanical Room was discussed in the November 2010 IRA Status Report (TRC 2010c). Key aspects of this investigation are provided in Section 4.1, below.

TRC is proposing one or more short-term pumping events to remove the localized chlorinated VOC-impacted groundwater below the floor of the Mechanical Room. Details of the proposed short-term pumping remedy are provided in Section 4.2.

4.1 Characterization of Separate Phase Liquid and Groundwater Impacts beneath the Mechanical Room

Between August 24 and August 30, 2010, TRC installed five (5) shallow and two (2) deep overburden monitoring wells throughout the NBHS campus. Three of the shallow monitoring wells, MW-27 through MW-29, were installed within the Mechanical Room and the downgradient pipe tunnel below the floor of NBHS to define the lateral extent of VOC impacts identified in aqueous seep samples and groundwater. Deeper monitoring well MW-5D was installed to evaluate the vertical extent of impacts in the vicinity of the Mechanical Room. The well locations are depicted in Figure 1. Installation logs for the newly installed monitoring wells were provided in the November 2010 IRA Status Report (TRC, 2010c).

On August 30, 2010, during developmental purging of MW-27, small globules of separate phase liquid were observed and an odor was noted. A sample of the separate phase liquid was collected for laboratory analysis. The results of the analysis are presented in Table 1 and indicated the separate phase liquid was composed of chlorinated VOCs, particularly TCE. Following well development, no measurable separate phase liquid was present in monitoring well MW-27 based on interface probe measurements.

In September 2010, following well development, TRC collected groundwater samples from the newly installed monitoring wells and several previously installed monitoring wells for VOC analysis in accordance with EPA Region 1 low-flow sampling techniques. Groundwater sampling logs associated with the September 2010 sampling event were provided in the November 2010 IRA Status Report (TRC, 2010c). The groundwater samples were submitted to Alpha for analysis of VOCs (SW-846 Method 8260B). The results of these analyses are summarized in Table 2.

Newly installed monitoring well MW-27 in the Mechanical Room exhibited concentrations of cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), TCE and vinyl chloride (VC) above their respective MCP Method 1 GW-2 groundwater standards. In addition, VC was detected in excess of the MCP Method 1 GW-2 groundwater standard in newly installed monitoring well MW-28, located approximately 29 feet south of MW-27 in the Mechanical Room. No VOCs were detected in excess of MCP Method 1 GW-2 groundwater cleanup standards in newly installed shallow monitoring well MW-29 or deep overburden monitoring well MW-5D in September 2010.

The results from monitoring wells within the Mechanical Room indicate that the area around MW-27 appears to be where VOC groundwater impacts beneath NBHS have come to be located.

Based on the September 2010 groundwater sampling event, additional investigation was conducted to define the lateral and vertical extent of VOC groundwater impacts beneath the Mechanical Room.

On October 13, 2010, TRC installed additional monitoring wells within the Mechanical Room (MW-31 and MW-32) and Kitchen Storage (Room B-156; MW-33) to define the lateral extent of the VOC groundwater impacts in the vicinity of sub-slab monitoring wells MW-27 and MW-28. The well locations are depicted in Figures 1 and 2. Well installation logs for the newly installed monitoring wells were provided in the November 2010 IRA Status Report (TRC, 2010c). TRC developed these three newly installed wells on October 13 and 14, 2010 and sampled the wells on October 21 and 22, 2010. Groundwater sampling logs associated with the October 2010 sampling event were provided in the November 2010 IRA Status Report (TRC, 2010c) and the analytical results are summarized in Table 2.

VOCs were not detected in excess of MCP Method 1 GW-2 groundwater standards in newly installed monitoring well MW-32 located approximately 16 feet east of MW-27, MW-31 located approximately 31 feet west of MW-27, or MW-33 located approximately 20 feet north of MW-27. VOCs were detected in monitoring wells MW-27 and MW-28 at concentrations in excess of MCP Method 1 GW-2 groundwater standards. The VOC concentrations detected in MW-28 were lower than in the previous September 2010 sample from this well (see Table 2).

During November 8 and 9, 2010, TRC installed one deep overburden monitoring well (MW-27D) in the Mechanical Room. The well location is depicted in Figure 2 and the well installation log for monitoring well MW-27D was provided in the November 2010 IRA Status Report (TRC, 2010c). TRC developed monitoring well MW-27D on November 11, 2010. Following well development, TRC collected a sample from the newly installed monitoring well for VOC analysis in accordance with EPA Region 1 low-flow sampling techniques. The groundwater sample was submitted to Alpha for analysis of VOCs (SW-846 Method 8260B). The groundwater sampling log from the November 18, 2010 sampling event was provided in the November 2010 IRA Status Report (TRC, 2010c). The laboratory report for this sample is provided in Appendix A. As shown in Table 2, VOCs were not detected in the groundwater sample collected from the deep well.

Based on the October and November 2010 groundwater sampling results, the lateral and vertical extent of VOC impacts in the vicinity of the Mechanical Room have been defined. Moreover, the reduced chlorinated VOC concentrations measured in MW-27 suggest that the mass of chlorinated VOCs is relatively small. Thus, TFE is expected to maximize the short-term contaminant mass reduction through the use of targeted/source-area multi-phase extraction.

4.2 Proposed Pumping and Disposal of Impacted Groundwater

TRC proposes to conduct one or more short-term pumping events at MW-27R, extracting both groundwater and soil vapors from this well via TFE using a vacuum truck. The original one-inch well installed as MW-27 was supplemented on December 28 and 29, 2010 with a four-inch well (MW-27R) that allows for more efficient groundwater extraction. Newly installed well MW-27R is located immediately adjacent to monitoring well MW-27. The new well construction log is provided in Appendix B.

TRC will fabricate a vacuum seal manifold utilizing an adjustable compression bushing or a no-hub coupling fitted with adjustable band clamps at the well head, allowing a pipe connected to the vacuum hose to be adjusted to different depths within the extraction well. When the pipe intake is set within the saturated zone, groundwater will be extracted. When the pipe intake is set within the vadose zone, soil vapors will be extracted. A short length of clear PVC pipe (site glass) will be attached to the manifold such that extracted media can be observed passing through the line and into the vacuum truck. The vacuum hose will feature a bleed valve to adjust the amount of vacuum pulled by the truck and thereby control the rate of groundwater or vapor extraction. Adjacent wells may be opened during the pumping event to promote greater air transport velocities and enhance subsurface vadose zone overturn during sub-slab soil vapor removal.

Groundwater extracted during the one-day pumping event(s) will be contained in the vacuum truck and transported for off-site disposal at an approved facility. TRC anticipates that as much as 1,000 gallons of groundwater will be extracted and transported for off-site disposal during each event.

4.3 Performance Monitoring and Evaluation of the Need for Additional Pumping Events

Several weeks after the pumping event, TRC will return to NBHS to collect groundwater samples from monitoring wells in the vicinity of the TFE activities. At a minimum, samples will be collected from the following six monitoring wells: MW-27, MW-27D, MW-28, MW-31, MW-32, and MW-33. TRC will collect these groundwater samples in accordance with EPA Region 1 low-flow sampling techniques. The samples will be submitted to Alpha for analysis of VOCs (SW-846 Method 8260B).

Following the receipt of analytical results for these groundwater samples, TRC will evaluate the need for additional TFE events. It is anticipated that short-term pumping events as described in Section 4.2 will reduce the concentrations in MW-27 to the levels observed in MW-28. Further reductions might also be achieved.

When TRC has determined that additional pumping events are not a useful or cost-effective means of reducing concentrations of chlorinated VOCs in the vicinity of the Mechanical Room, then alternative remedial approaches may be considered.

5.0 PROPOSED SCHEDULE FOR THE MODIFIED IMMEDIATE RESPONSE ACTIONS

Activities to be completed under this IRA Plan Modification include: TFE removal of impacted groundwater and soil vapor, off-site disposal of groundwater removed, and groundwater monitoring to measure the success of this approach in reducing concentrations of chlorinated VOCs in groundwater beneath the Mechanical Room.

The first pumping event will be implemented in late January 2011 or early February 2011 (assuming timely MassDEP concurrence). Performance monitoring (i.e., groundwater sampling) will be conducted several weeks after the pumping event. The schedules for subsequent rounds of pumping, if necessary, have not yet been determined. TRC will notify MassDEP in advance of subsequent TFE events.

6.0 REMEDIATION WASTE MANAGEMENT STATEMENT

Groundwater extracted under this IRA Plan Modification will be transported from the site by a licensed transporter and disposed of off-site at a facility (not yet selected) that is licensed to accept such waste material.

TRC anticipates that the remedial wastewater generated during the first pumping event will be classified as a listed waste under the Resource Conservation and Recovery Act (RCRA) and transported under a Hazardous Waste Manifest. Remedial wastewater generated during subsequent events (if any), may be reclassified as non-hazardous.

Remedial wastes will be managed in a manner that is consistent with 310 CMR 40.0031: General Provisions for the Management of Remediation Waste. Specifically, TRC will ensure the following:

- Remediation Waste will be managed in a manner that ensures the protection of health, safety, public welfare and the environment and is in compliance with the provisions of 310 CMR 40.0030 and all other applicable federal, state, and local laws, regulations, and bylaws.
- The Remediation Waste will be consigned, conveyed and/or transported only to facilities and locations licensed, permitted, or approved to accept such materials by appropriate federal, state or local authorities.
- Remediation Wastes that meet the criteria defining a listed hazardous waste or which are themselves a characteristic hazardous waste will be accumulated, treated, and stored or otherwise managed at the disposal site in a manner that achieves a level of control and protection equivalent to that provided by the technical and management requirements of 310 CMR 30.000, the "Massachusetts Hazardous Waste Regulations".

7.0 ENVIRONMENTAL MONITORING PLAN

This IRA Plan does not anticipate any environmental monitoring activities other than those associated with CEP mitigation and characterization of the release at this disposal site. These monitoring activities are specified in the Site Health and Safety Plan.

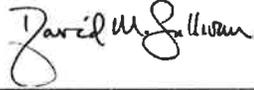
8.0 FEDERAL, STATE & LOCAL PERMITS

There are no known Federal, State, or local permit requirements associated with the IRA activities anticipated under this Modified IRA Plan.

Massachusetts Dig-Safe[®] was notified at least 72 hours prior to commencing the drilling activities related to monitoring well installation. Dig-Safe[®] notification information was provided in the November 2010 IRA Status Report (TRC, 2010c).

9.0 SEAL AND SIGNATURE OF THE LICENSED SITE PROFESSIONAL

Pursuant to 310 CMR 40.0424(1)(i), this Modified IRA Plan was prepared by:



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

1/18/2011
Date



Stamp

10.0 OTHER RELEVANT INFORMATION

10.1 Public Involvement

As required by 310 CMR 40.1403(3)(b), the Mayor and the Board of Health for the City have been notified of the IRA activities undertaken to mitigate a CEP. Copies of the notification letters sent to the Mayor and Board of Health are provided in Appendix C.

Additional notification will be provided to NBHS administrators and, if necessary, to students and staff of NBHS as required by 310 CMR 40.1403(11).

This site is part of a larger site that is involved in a proactive public communication process. As such, the status of IRA activities will be discussed periodically in public meetings and fact sheets will be prepared as needed.

11.0 REFERENCES

- TRC, 2010a *Immediate Response Action Plan, New Bedford High School Substantial Release Migration / Critical Exposure Pathway, 230 Hathaway Boulevard, New Bedford, Massachusetts.* Prepared for: City of New Bedford Department of Environmental Stewardship. Prepared by: TRC Environmental Corporation. March 2010.
- TRC, 2010b *Immediate Response Action Status Report - New Bedford High School Substantial Release Migration / Critical Exposure Pathway, 230 Hathaway Boulevard, New Bedford, Massachusetts.* Prepared for: City of New Bedford Department of Environmental Stewardship. Prepared by: TRC Environmental Corporation. May, 2010.
- TRC, 2010c *Immediate Response Action Status Report - New Bedford High School Substantial Release Migration / Critical Exposure Pathway, 230 Hathaway Boulevard, New Bedford, Massachusetts.* Prepared for: City of New Bedford Department of Environmental Stewardship. Prepared by: TRC Environmental Corporation. November, 2010.

TABLES

Table 1
Summary of Analytical Results for Fingerprint Sample
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.): Sample Date:	MW-27 Product 8/30/2010
VOCs (mg/kg)	Acetone		1,100 U
	tert-Amyl Methyl Ether (TAME)		45 U
	Benzene		22 U
	Bromobenzene		22 U
	Bromochloromethane		22 U
	Bromodichloromethane		45 U
	Bromoform		220 U
	Bromomethane		45 U
	2-Butanone (MEK)		450 U
	n-Butylbenzene		22 U
	sec-Butylbenzene		22 U
	tert-Butylbenzene		22 U
	tert-Butyl Ethyl Ether (TBEE)		45 U
	Carbon Disulfide		220 U
	Carbon Tetrachloride		220 U
	Chlorobenzene		22 U
	Chlorodibromomethane		90 U
	Chloroethane		450 U
	Chloroform		45 U
	Chloromethane		45 U
	2-Chlorotoluene		22 U
	4-Chlorotoluene		22 U
	1,2-Dibromo-3-chloropropane (DBCP)		220 U
	1,2-Dibromoethane (EDB)		90 U
	Dibromomethane		22 U
	1,2-Dichlorobenzene		22
	1,3-Dichlorobenzene		22 U
	1,4-Dichlorobenzene		29
	Dichlorodifluoromethane (Freon 12)		45 U
	1,1-Dichloroethane		22 U
	1,2-Dichloroethane		22 U
	1,1-Dichloroethylene		22 U
	cis-1,2-Dichloroethylene		990
	trans-1,2-Dichloroethylene		87
	1,2-Dichloropropane		22 U
	1,3-Dichloropropane		11 U
	2,2-Dichloropropane		220 U
	1,1-Dichloropropene		45 U
	cis-1,3-Dichloropropene		45 U
	trans-1,3-Dichloropropene		45 U
Diethyl Ether		45 U	
Diisopropyl Ether (DIPE)		11 U	

Table 1
Summary of Analytical Results for Fingerprint Sample
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: Sample Depth (ft.): Sample Date:	MW-27 Product 8/30/2010
	1,4-Dioxane		2,200 U
	Ethylbenzene		47
	Hexachlorobutadiene		22 U
	2-Hexanone (MBK)		900 U
	Isopropylbenzene (Cumene)		22 U
	p-Isopropyltoluene (p-Cymene)		22 U
	Methyl tert-Butyl Ether (MTBE)		90 U
	Methylene Chloride		110 U
	4-Methyl-2-pentanone (MIBK)		450 U
	Naphthalene		220 U
	n-Propylbenzene		22 U
	Styrene		480
	1,1,1,2-Tetrachloroethane		90 U
	1,1,2,2-Tetrachloroethane		45 U
	Tetrachloroethylene		22 U
	Tetrahydrofuran		220 U
	Toluene		22 U
	1,2,3-Trichlorobenzene		230
	1,2,4-Trichlorobenzene		1,000
	1,1,1-Trichloroethane		45 U
	1,1,2-Trichloroethane		22 U
	Trichloroethylene		220,000
	Trichlorofluoromethane (Freon 11)		45 U
	1,2,3-Trichloropropane		45 U
	1,2,4-Trimethylbenzene		22 U
	1,3,5-Trimethylbenzene		22 U
	Vinyl Chloride		45 U
	m+p Xylene		45 U
	o-Xylene		22 U

Notes:

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

U - Compound was not detected at specified quantitation limit.

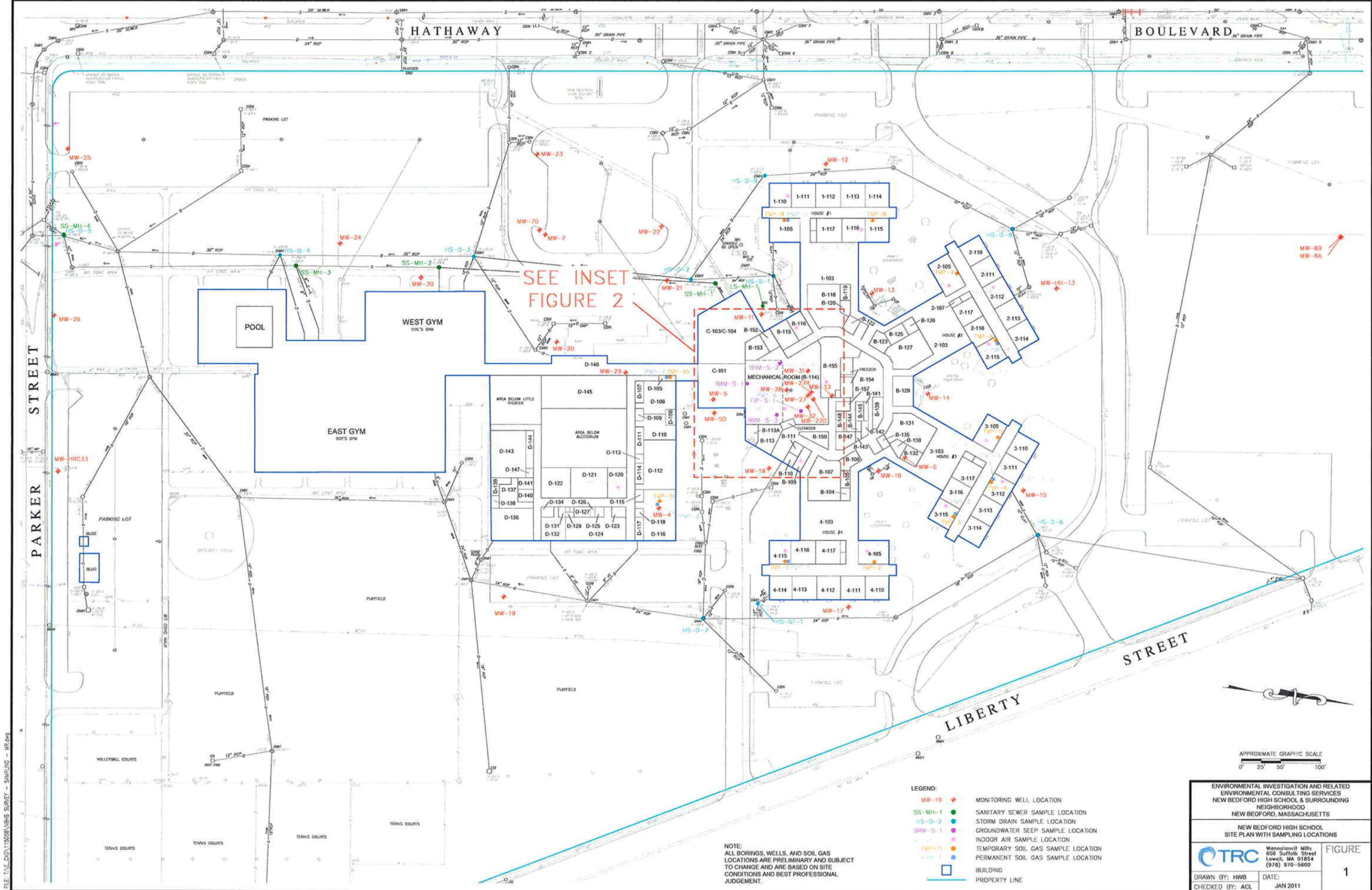
Values in **Bold** indicate the compound was detected.

Table 2
Summary of Detected Analytical Results for Groundwater Samples in Vicinity of Mechanical Room
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		MW-5					MW-5D	MW-11			MW-18			MW-27		MW-27D	MW-28		MW-31	MW-32	MW-33		
		Sample Date:		1/6/2010	1/6/2010	2/17/2010	4/8/2010	9/10/2010	9/10/2010	2/19/2010	4/7/2010	9/13/2010	2/18/2010	4/9/2010	9/13/2010	9/9/2010	10/21/2010	11/18/2010	9/9/2010	10/21/2010	10/21/2010	10/21/2010	10/21/2010		
		GW-2	GW-3		Field Dup																				
VOCs	1,1-Dichloroethane	1,000	20,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	Tetrachloroethylene	50	30,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	Chlorobenzene	200	1,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	400 U	100 U	1.0 U	38	8.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	1,1,1-Trichloroethane	4,000	20,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	Vinyl Chloride	2	50,000	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	550	10.3 J	1.0 U	9.7	3.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	trans-1,2-Dichloroethylene	90	50,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	700	26.5 J	1.0 U	9.2	2.9	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	Trichloroethylene	30	5,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	31,000	4,500	1.0 U	11	5.0	1.0 U	1.0 U	1.1	1.0 U	1.0 U	
	1,2-Dichlorobenzene	2,000	2,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	400 U	100 U	1.0 U	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	1,3-Dichlorobenzene	2,000	50,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	400 U	100 U	1.0 U	9.9	2.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	1,4-Dichlorobenzene	200	8,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	400 U	100 U	1.0 U	48	11	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	cis-1,2-Dichloroethylene	100	50,000	3.7	4.1	5.9	3.2	7.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4,100	290	1.0 U	25	11	1.0 U	4.5	1.0 U	1.0 U	1.0 U	
	p-Isopropyltoluene (p-Cymene)	7,000 ⁽¹⁾	50,000 ⁽¹⁾	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	General Chemistry (ug/L)	Nitrogen, Nitrate	NS	NS	NA	NA	NA	NA	100 U	280	NA	NA	NA	NA	NA	1,000	NA	NA	100 U	NA	NA	NA	NA	NA	NA
		Sulfate	NS	NS	NA	NA	NA	NA	10,000 U	10,000	NA	NA	NA	NA	NA	21,000	NA	NA	13,000	NA	NA	NA	NA	NA	NA
Total Organic Carbon		NS	NS	NA	NA	NA	NA	6,800	2,900	NA	NA	NA	NA	NA	8,700	NA	NA	5,200	NA	NA	NA	NA	NA	NA	

Notes:
ug/L - micrograms per liter.
NS - No MassDEP standards exist for this compound.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in **Bold** and shaded type exceed one or more of the listed
MassDEP Method 1 standards.
VOCs - Volatile Organic Compounds.
(1) - MassDEP Method 1 standards for C9-C10 aromatic hydrocarbons used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.

FIGURES



SEE INSET
FIGURE 2

- LEGEND:
- MW-19 ◆ MONITORING WELL LOCATION
 - SS-MH-1 ● SANITARY SEWER SAMPLE LOCATION
 - HS-D-2 ● STORM DRAIN SAMPLE LOCATION
 - BRM-S-1 ● GROUNDWATER SEEP SAMPLE LOCATION
 - IAP-S-1 ● INDOOR AIR SAMPLE LOCATION
 - TSP-11 ● TEMPORARY SOIL GAS SAMPLE LOCATION
 - ◆ PERMANENT SOIL GAS SAMPLE LOCATION
 - BUILDING
 - PROPERTY LINE

NOTE:
ALL BORINGS, WELLS, AND SOIL GAS
LOCATIONS ARE PRELIMINARY AND SUBJECT
TO CHANGE AND ARE BASED ON SITE
CONDITIONS AND BEST PROFESSIONAL
JUDGEMENT.

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

NEW BEDFORD HIGH SCHOOL
SITE PLAN WITH SAMPLING LOCATIONS

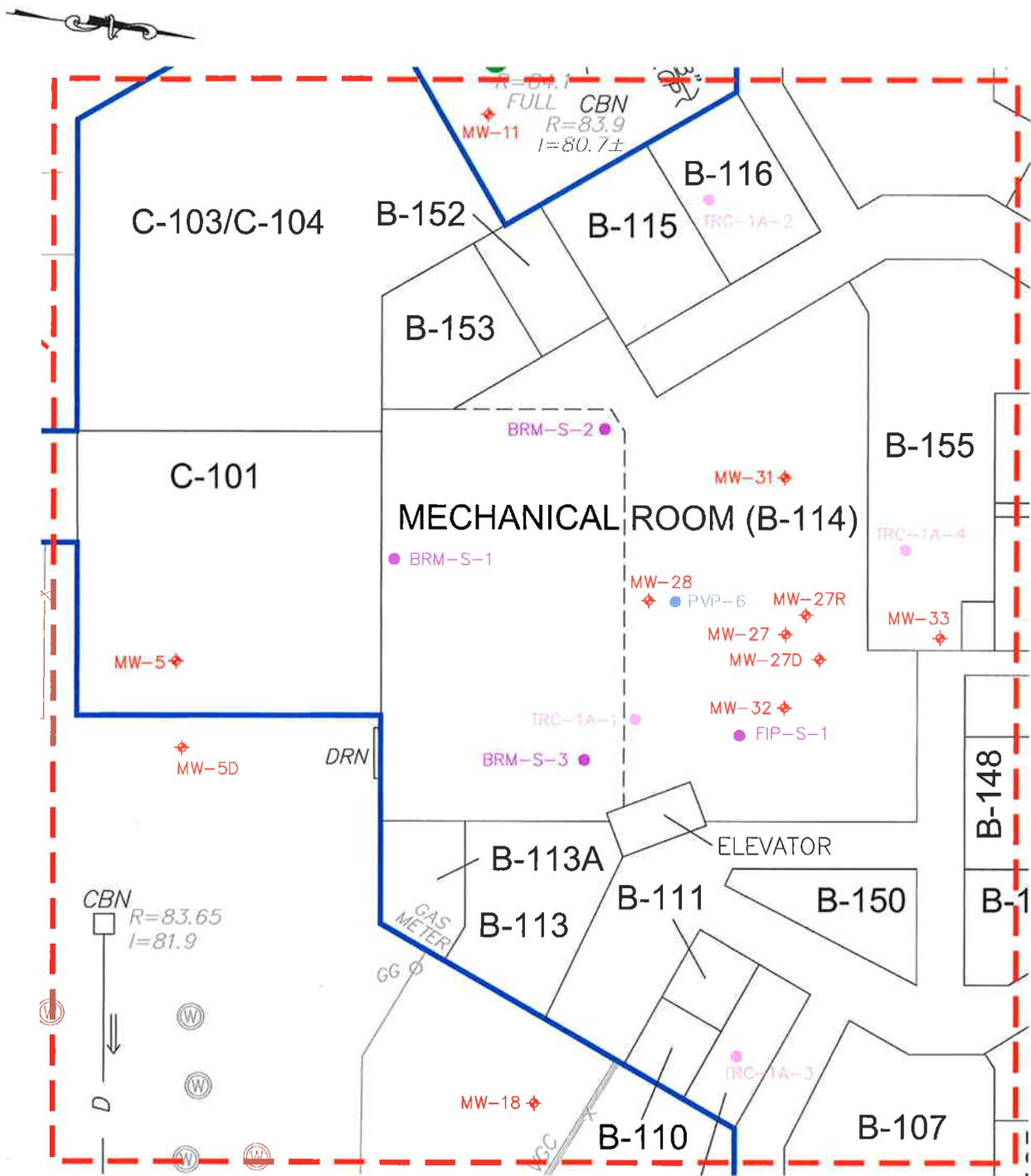
TRC Wannafleet Mills
650 Suffolk Street
Lowell, MA 01854
(978) 970-5600

DRAWN BY: HWB DATE: JAN 2011
CHECKED BY: ACL

FIGURE
1

FILE: T:\E_CAD\115058\NHS SURVEY - SAMPLING - IPR.dwg

FILE: T:\E_CAD\115058\WBHS SURVEY - SAMPLING - MR.dwg



LEGEND:

- MW-19 MONITORING WELL LOCATION
- HS-D-2 STORM DRAIN SAMPLE LOCATION
- BRM-S-1 GROUNDWATER SEEP SAMPLE LOCATION
- TRC-1A-4 INDOOR AIR SAMPLE LOCATION
- PVP-3 PERMANENT SOIL GAS SAMPLE LOCATION
- BUILDING



ENVIRONMENTAL INVESTIGATION AND RELATED ENVIRONMENTAL CONSULTING SERVICES NEW BEDFORD HIGH SCHOOL & SURROUNDING NEIGHBORHOOD NEW BEDFORD, MASSACHUSETTS	
NEW BEDFORD HIGH SCHOOL DETAIL OF SITE PLAN IN VICINITY OF MECHANICAL ROOM	
Wannalancit Mills 650 Suffolk Street Lowell, MA 01854 (978) 970-5600	
DRAWN BY: HWB CHECKED BY: ACL	DATE: JAN 2011
FIGURE 2	

APPENDIX A

ANALYTICAL LABORATORY REPORT



ANALYTICAL REPORT

Lab Number:	L1018497
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	David Sullivan
Phone:	(978) 656-3565
Project Name:	NBHS
Project Number:	115058
Report Date:	11/22/10

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Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1018497-01	MW-27D	NEW BEDFORD	11/18/10 10:40
L1018497-02	TRIP BLANK	NEW BEDFORD	11/18/10 00:00



Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

MADEP MCP Response Action Analytical Report Certification

This form provides certifications for all samples performed by MCP methods. Please refer to the Sample Results and Container Information sections of this report for specification of MCP methods used for each analysis. The following questions pertain only to MCP Analytical Methods.

An affirmative response to questions A through F is required for "Presumptive Certainty" status		
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	YES
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	YES
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	YES
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?"	YES
E a.	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES
A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES
For any questions answered "No", please refer to the case narrative section on the following page(s).		

Please note that sample matrix information is located in the Sample Results section of this report.



Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEX data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

MCP Related Narratives

Volatile Organics

In reference to question G:

The requested CAM reporting limit was not achieved for Tetrahydrofuran.

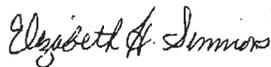
In reference to question H:

The initial calibration, associated with L1018497-01 and -02, did not meet the method required minimum response factors for 2-Butanone, 4-Methyl-2-pentanone, Tetrahydrofuran, and 1,4-Dioxane; and utilized a quadratic fit for Acetone and 1,2-Dibromo-3-chloropropane.

The continuing calibration standard, associated with L1018497-01 and -02, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Elizabeth Simmons

Title: Technical Director/Representative

Date: 11/22/10

ORGANICS

VOLATILES

Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

SAMPLE RESULTS

Lab ID: L1018497-01
Client ID: MW-27D
Sample Location: NEW BEDFORD
Matrix: Water
Analytical Method: 97,8260B
Analytical Date: 11/21/10 08:40
Analyst: MM

Date Collected: 11/18/10 10:40
Date Received: 11/18/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

SAMPLE RESULTS

Lab ID: L1018497-01
Client ID: MW-27D
Sample Location: NEW BEDFORD

Date Collected: 11/18/10 10:40
Date Received: 11/18/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	10	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.0	--	1

Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

SAMPLE RESULTS

Lab ID: L1018497-01
Client ID: MW-27D
Sample Location: NEW BEDFORD

Date Collected: 11/18/10 10:40
Date Received: 11/18/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Isopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

SAMPLE RESULTS

Lab ID: L1018497-02
Client ID: TRIP BLANK
Sample Location: NEW BEDFORD
Matrix: Water
Analytical Method: 97,8260B
Analytical Date: 11/21/10 08:09
Analyst: MM

Date Collected: 11/18/10 00:00
Date Received: 11/18/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	1.0	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	ND		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

SAMPLE RESULTS

Lab ID: L1018497-02
Client ID: TRIP BLANK
Sample Location: NEW BEDFORD

Date Collected: 11/18/10 00:00
Date Received: 11/18/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1
Methyl tert butyl ether	ND		ug/l	2.0	--	1
p/m-Xylene	ND		ug/l	2.0	--	1
o-Xylene	ND		ug/l	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Dibromomethane	ND		ug/l	2.0	--	1
1,2,3-Trichloropropane	ND		ug/l	2.0	--	1
Styrene	ND		ug/l	1.0	--	1
Dichlorodifluoromethane	ND		ug/l	2.0	--	1
Acetone	ND		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	2.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.0	--	1
Tetrahydrofuran	ND		ug/l	10	--	1
2,2-Dichloropropane	ND		ug/l	2.0	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,3-Dichloropropane	ND		ug/l	2.0	--	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Bromobenzene	ND		ug/l	2.0	--	1
n-Butylbenzene	ND		ug/l	2.0	--	1
sec-Butylbenzene	ND		ug/l	2.0	--	1
tert-Butylbenzene	ND		ug/l	2.0	--	1
o-Chlorotoluene	ND		ug/l	2.0	--	1
p-Chlorotoluene	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--	1
Hexachlorobutadiene	ND		ug/l	0.60	--	1
Isopropylbenzene	ND		ug/l	2.0	--	1
p-Isopropyltoluene	ND		ug/l	2.0	--	1
Naphthalene	ND		ug/l	2.0	--	1
n-Propylbenzene	ND		ug/l	2.0	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--	1
Ethyl ether	ND		ug/l	2.0	--	1

Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

SAMPLE RESULTS

Lab ID: L1018497-02
Client ID: TRIP BLANK
Sample Location: NEW BEDFORD

Date Collected: 11/18/10 00:00
Date Received: 11/18/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Isopropyl Ether	ND		ug/l	2.0	--	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--	1
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130



Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 11/21/10 07:37
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG444257-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	1.0	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--



Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 11/21/10 07:37
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG444257-3					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	10	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--



Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 97,8260B
Analytical Date: 11/21/10 07:37
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG444257-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
Isopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

Parameter	LCS		LCS		%Recovery		%Recovery		RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual	%Recovery	Qual	%Recovery	Limits			
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG444257-1 WG444257-2											
Methylene chloride	94		92		70-130		2		20		
1,1-Dichloroethane	90		88		70-130		2		20		
Chloroform	97		93		70-130		4		20		
Carbon tetrachloride	100		92		70-130		8		20		
1,2-Dichloropropane	92		90		70-130		2		20		
Dibromochloromethane	100		91		70-130		9		20		
1,1,2-Trichloroethane	95		91		70-130		4		20		
Tetrachloroethene	108		102		70-130		6		20		
Chlorobenzene	93		89		70-130		4		20		
Trichlorofluoromethane	110		104		70-130		6		20		
1,2-Dichloroethane	90		87		70-130		3		20		
1,1,1-Trichloroethane	94		88		70-130		7		20		
Bromodichloromethane	94		89		70-130		5		20		
trans-1,3-Dichloropropene	81		76		70-130		6		20		
cis-1,3-Dichloropropene	82		80		70-130		2		20		
1,1-Dichloropropene	93		90		70-130		3		20		
Bromoform	108		99		70-130		9		20		
1,1,2,2-Tetrachloroethane	92		88		70-130		4		20		
Benzene	94		92		70-130		2		20		
Toluene	92		88		70-130		4		20		
Ethylbenzene	94		91		70-130		3		20		



Lab Control Sample Analysis Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

Parameter	LCS		LCS		%Recovery		RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual	%Recovery	Limits			
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG444257-1 WG444257-2									
Chloromethane	93		89		70-130		4		20
Bromomethane	92		91		70-130		1		20
Vinyl chloride	98		94		70-130		4		20
Chloroethane	87		84		70-130		4		20
1,1-Dichloroethene	98		93		70-130		5		20
trans-1,2-Dichloroethene	93		89		70-130		4		20
Trichloroethene	96		91		70-130		5		20
1,2-Dichlorobenzene	98		94		70-130		4		20
1,3-Dichlorobenzene	100		94		70-130		6		20
1,4-Dichlorobenzene	102		98		70-130		4		20
Methyl tert butyl ether	86		84		70-130		2		20
p/m-Xylene	97		92		70-130		5		20
o-Xylene	99		96		70-130		3		20
cis-1,2-Dichloroethene	99		98		70-130		1		20
Dibromomethane	107		105		70-130		2		20
1,2,3-Trichloropropane	94		87		70-130		8		20
Styrene	96		93		70-130		3		20
Dichlorodifluoromethane	104		101		70-130		3		20
Acetone	82		79		70-130		4		20
Carbon disulfide	94		90		70-130		4		20
2-Butanone	95		89		70-130		7		20



Lab Control Sample Analysis

Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

Parameter	LCS		LCSD		%Recovery		RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual	Limits	Limits			
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG444257-1 WG444257-2									
4-Methyl-2-pentanone	87		91		70-130		4		20
2-Hexanone	82		81		70-130		1		20
Bromochloromethane	105		101		70-130		4		20
Tetrahydrofuran	93		84		70-130		10		20
2,2-Dichloropropane	102		96		70-130		6		20
1,2-Dibromoethane	95		96		70-130		1		20
1,3-Dichloropropane	94		89		70-130		5		20
1,1,1,2-Tetrachloroethane	94		92		70-130		2		20
Bromobenzene	104		97		70-130		7		20
n-Butylbenzene	78		76		70-130		3		20
sec-Butylbenzene	96		92		70-130		4		20
tert-Butylbenzene	96		91		70-130		5		20
o-Chlorotoluene	91		87		70-130		4		20
p-Chlorotoluene	89		86		70-130		3		20
1,2-Dibromo-3-chloropropane	87		83		70-130		5		20
Hexachlorobutadiene	101		100		70-130		1		20
Isopropylbenzene	95		92		70-130		3		20
p-Isopropyltoluene	101		97		70-130		4		20
Naphthalene	81		74		70-130		9		20
n-Propylbenzene	94		89		70-130		5		20
1,2,3-Trichlorobenzene	88		82		70-130		7		20



Lab Control Sample Analysis Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

Parameter	LCS		LCSD		%Recovery Limits		RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual	%Recovery	Limits			
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG444257-1 WG444257-2									
1,2,4-Trichlorobenzene	88		84		70-130		5		20
1,3,5-Trimethylbenzene	89		84		70-130		6		20
1,2,4-Trimethylbenzene	93		89		70-130		4		20
Ethyl ether	93		90		70-130		3		20
Isopropyl Ether	91		88		70-130		3		20
Ethyl-Tert-Butyl-Ether	85		84		70-130		1		20
Tertiary-Amyl Methyl Ether	91		90		70-130		1		20
1,4-Dioxane	115		110		70-130		4		20

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	95		97		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	92		90		70-130
Dibromofluoromethane	103		104		70-130



Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1018497-01A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1018497-01B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1018497-01C	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1018497-02A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)

*Values in parentheses indicate holding time in days

Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

GLOSSARY

Acronyms

- EPA** - Environmental Protection Agency.
- LCS** - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
- LCSD** - Laboratory Control Sample Duplicate: Refer to LCS.
- MDL** - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- MS** - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
- MSD** - Matrix Spike Sample Duplicate: Refer to MS.
- NA** - Not Applicable.
- NC** - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
- NI** - Not Ignitable.
- RL** - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
- RPD** - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.

Report Format: Data Usability Report



Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

Data Qualifiers

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Project Name: NBHS
Project Number: 115058

Lab Number: L1018497
Report Date: 11/22/10

REFERENCES

- 97 EPA Test Methods (SW-846) with QC Requirements & Performance Standards for the Analysis of EPA SW-846 Methods under the Massachusetts Contingency Plan, WSC-CAM-IIA, IIB, IIIA, IIIB, IIIC, IIID, VA, VB, VC, VIA, VIB, VIIIA and VIIIB, July 2010.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certificate/Approval Program Summary

Last revised July 19, 2010 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. *NELAP Accredited Solid Waste/Soil.*

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3,3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.

Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 300.0, 353.2, SM2130B, 2320B, 4500CI-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500CI-D, 4500CI-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME DRO, ME GRO, MA EPH, MA VPH.)

Solid Waste/Soil (Organic Parameters: ME DRO, ME GRO, MA EPH, MA VPH.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.*Drinking Water*

Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)

(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate)

353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, 2320B, SM2540C, SM4500H-B.

Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)

(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.

Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D

Non-Potable Water

Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)

(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)

245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables, 600/4-81-045-PCB-Oil

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500CI-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. NELAP Accredited.

Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500CI-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID: 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID: 68-03671. NELAP Accredited.

Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. NELAP Accredited via NY-DOH.

Refer to MA-DEP Certificate for Potable and Non-Potable Water.

Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commission on Environmental Quality Certificate/Lab ID: T104704476-09-1. NELAP Accredited.

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S²⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.

Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 9251, 9038, 350.1, 353.2, 351.1, 120.1, 9050A, 410.4, 9060, 1664, 420.1, LACHAT 10-107-06-1-B, SM 4500CN-E, 4500H-B, 4500CL-E, 4500F-BC, 4500SO4-E, 426C, 4500NH3-B, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500Norg-C, 4500PE, 2510B, 5540C, 5220D, 5310C, 2540B, 2540C, 2540D, 510C, 4500S2-AD, 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8330, 625, 8082, 8151A, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9040B, 9045C, 9065, 420.1, 9012A, 6860, 1311, 1312, 3050B, 9030B, 3051, 9010B, 3540C, SM 510ABC, 4500CN-CE, 2540G, SW-846 7.3, Organic Parameters: EPA 8260B, 8270C, 8330, 8082, 8081A, 8151A, 3545, 3546, 3580, 5035, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **EPA 8260B**: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A**: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C**: Methyl naphthalene, Dimethyl naphthalene, Total Methyl naphthalenes, Total Dimethyl naphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625**: 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1018497

Instrument ID: Quimby.i Calibration Date: 21-NOV-2010 Time: 07:05

Lab File ID: 1121A03 Init. Calib. Date(s): 28-OCT-2 28-OCT-2

Sample No: 8260 CCAL Init. Calib. Times : 07:57 14:29

Compound	RRF	RRF	MIN RRF	%D	MAX %D
dichlorodifluoromethane	.42114	.44008	.1	-4	20
chloromethane	.62163	.57708	.1	7	20
vinyl chloride	.4285	.42033	.1	2	20
bromomethane	.32572	.30143	.1	7	20
chloroethane	.35035	.30393	.1	13	20
trichlorofluoromethane	.6241	.68522	.1	-10	20
ethyl ether	.13811	.12868	.05	7	20
acetone	100	81.941	.1	18	20
1,1,-dichloroethene	.31495	.307	.1	3	20
methylene chloride	.34246	.32253	.1	6	20
carbon disulfide	.90993	.85908	.1	6	20
methyl tert butyl ether	.48005	.41326	.1	14	20
trans-1,2-dichloroethene	.36264	.33627	.1	7	20
Diisopropyl Ether	1.1682	1.0642	.05	9	20
1,1-dichloroethane	.70419	.63509	.2	10	20
Ethyl-Tert-Butyl-Ether	.7286	.61924	.05	15	20
2-butanone	.06714	.06369	.1	5	20 F
2,2-dichloropropane	.34238	.34863	.05	-2	20
cis-1,2-dichloroethene	.37932	.37635	.1	1	20
chloroform	.61594	.59881	.2	3	20
bromochloromethane	.12887	.1354	.05	-5	20
tetrahydrofuran	.04454	.04129	.05	7	20 F
1,1,1-trichloroethane	.49271	.46532	.1	6	20
1,1-dichloropropene	.52258	.48631	.05	7	20
carbontetrachloride	.35402	.35552	.1	0	20
Tertiary-Amyl Methyl Ether	.46697	.42607	.05	9	20
1,2-dichloroethane	.39579	.35426	.1	10	20
benzene	1.5397	1.451	.5	6	20
trichloroethene	.37211	.3564	.2	4	20
1,2-dichloropropane	.35603	.32791	.1	8	20
bromodichloromethane	.35384	.33438	.2	6	20
1,4-dioxane	.00109	.00126	.05	-15	20 F
dibromomethane	.12703	.1359	.05	-7	20
4-methyl-2-pentanone	.04832	.04215	.1	13	20 F
cis-1,3-dichloropropene	.41611	.34298	.2	18	20
toluene	1.2794	1.1719	.4	8	20
trans-1,3-dichloropropene	.38217	.31058	.1	19	20
1,1,2-trichloroethane	.21745	.20662	.1	5	20

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1018497

Instrument ID: Quimby.i Calibration Date: 21-NOV-2010 Time: 07:05

Lab File ID: 1121A03 Init. Calib. Date(s): 28-OCT-2 28-OCT-2

Sample No: 8260 CCAL Init. Calib. Times : 07:57 14:29

Compound	RRF	RRF	MIN RRF	%D	MAX %D
2-hexanone	.12616	.10384	.1	18	20
1,3-dichloropropane	.48008	.44897	.05	6	20
tetrachloroethene	.50656	.54644	.2	-8	20
chlorodibromomethane	.22898	.22906	.1	0	20
1,2-dibromoethane	.21845	.20833	.1	5	20
chlorobenzene	1.3784	1.2801	.5	7	20
1,1,1,2-tetrachloroethane	.33964	.318	.05	6	20
ethyl benzene	2.6402	2.4856	.1	6	20
p/m xylene	1.0415	1.0083	.1	3	20
o xylene	.99264	.98357	.3	1	20
styrene	1.5901	1.5287	.31	4	20
isopropylbenzene	2.7063	2.5783	.1	5	20
bromoform	.16937	.18228	.1	-8	20
1,1,2,2,-tetrachloroethane	.4575	.42252	.3	8	20
1,2,3-trichloropropane	.359	.33757	.05	6	20
n-propylbenzene	5.3817	5.0661	.05	6	20
bromobenzene	.8701	.9079	.05	-4	20
1,3,5-trimethylbenzene	3.7262	3.3120	.05	11	20
2-chlorotoluene	3.6146	3.3038	.05	9	20
4-chlorotoluene	3.3404	2.9873	.05	11	20
tert-butylbenzene	3.0713	2.9530	.05	4	20
1,2,4-trimethylbenzene	3.7510	3.4941	.05	7	20
sec-butylbenzene	4.6047	4.4312	.05	4	20
p-isopropyltoluene	3.5701	3.6055	.05	-1	20
1,3-dichlorobenzene	1.8745	1.8715	.6	0	20
1,4-dichlorobenzene	1.7904	1.8354	.5	-3	20
n-butylbenzene	4.0323	3.1241	.05	23	20
1,2-dichlorobenzene	1.5779	1.5447	.4	2	20
1,2-dibromo-3-chloropropane	100	86.616	.05	13	20
1,2,4-trichlorobenzene	.80062	.70039	.2	13	20
hexachlorobutadiene	.39925	.4045	.05	-1	20
naphthalene	1.1650	.94367	.05	19	20
1,2,3-trichlorobenzene	.59583	.52758	.05	11	20
dibromofluoromethane	.2204	.22757	.05	-3	20
1,2-dichloroethane-d4	.22618	.21489	.05	5	20
toluene-d8	1.2994	1.2630	.05	3	20
4-bromofluorobenzene	.89239	.82402	.05	8	20

FORM VII MCP-8260-10

APPENDIX B

**GROUNDWATER MONITORING
WELL/RECOVERY WELL INSTALLATION LOG**



249 Western Avenue
 Augusta, Maine 04330
 Telephone: 207-621-7000
 Fax: 207-621-7001

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford -115058 SCREEN TYPE/SLOT Sch. 40 10-slot PVC
 BORING/WELL NUMBER MW-27R FILTER PACK TYPE Sand Pack
 TRC GEOLOGIST J. Saunders SEAL TYPE Hydrated Bentonite
 DRILLING CONTRACTOR/FOREMAN Geologic/Chip & Taylor DEPTH TO WATER (Approximate Feet) 3
 DATE DRILLED 12/29/10 TOTAL DEPTH (Feet) 12
 LOCATION NBHS - Mech Room, Approx. 1' NW of MW-27 GROUND ELEVATION (Feet) _____
 SAMPLING METHOD NA REFERENCE ELEVATION (Feet) _____
 DRILLING METHOD Drive & Wash Acker Scout ATV Rig
 NOTES No Samples

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	SAMP/CORE #	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
0					0-4" Cored CONCRETE floor.			<p>Concrete and Roadbox Bentonite Seal 2-foot 4" PVC Riser in Sand Sand Pack 10-foot Schedule 40 0.01 slotted screen, 4" diameter</p>
0-4					4-10" Sub-base GRAVEL.			
0-10					10-48" Brown fine-medium SAND and GRAVEL, no odor, no staining.			
0-16.6					48-138" Gray fine SAND changing to fine SAND and SILT with depth, some chemical odor.	0.0		
0-16.6						16.6		
0-20.2						20.2		
11-12					138-144" TILL.			
12					End of Boring @ 12 feet (Discriptions based on drill cuttings only. All depths are approximate.)			

APPENDIX C

NOTIFICATION LETTERS TO CITY OF NEW BEDFORD MAYOR AND BOARD OF HEALTH



Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.TRCSolutions.com

TRC Reference Number: 115058.0000

January 18, 2011

Mayor Scott W. Lang
City Hall, Room 311
133 William Street
New Bedford, MA 02740

RE: Notice of Immediate Response Action Plan Modification

230 Hathaway Boulevard
New Bedford, Massachusetts
Release Tracking Number 4-22409

Ms. Mayor Lang:

On behalf of the City of New Bedford, Massachusetts, and pursuant to 310 CMR 40.1403(3)(b) of the Massachusetts Contingency Plan (MCP), TRC Environmental Corporation (TRC) has prepared this letter to inform you of the submittal of an Immediate Response Action Plan Modification pertaining to a Substantial Release Migration / Critical Exposure Pathway at the New Bedford High School campus in New Bedford, Massachusetts. This submittal will be made to the Massachusetts Department of Environmental Protection (MassDEP) by January 21, 2011.

A copy of this document can be obtained from Cheryl Henlin in the Department of Environmental Stewardship. If you have any questions concerning this letter please contact me at (978) 656-3565.

Sincerely,
TRC Environmental Corporation

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

Cc: Cheryl Henlin, 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

TRC Reference Number: 115058.0000

January 18, 2011

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

RE: Notice of Immediate Response Action Plan Modification

230 Hathaway Boulevard
New Bedford, Massachusetts
Release Tracking Number 4-22409

Ms. De Souza:

On behalf of the City of New Bedford, Massachusetts, and pursuant to 310 CMR 40.1403(3)(b) of the Massachusetts Contingency Plan (MCP), TRC Environmental Corporation (TRC) has prepared this letter to inform you of the submittal of an Immediate Response Action Plan Modification pertaining to a Substantial Release Migration / Critical Exposure Pathway at the New Bedford High School campus in New Bedford, Massachusetts. This submittal will be made to the Massachusetts Department of Environmental Protection (MassDEP) by January 21, 2011.

A copy of this document can be obtained from Cheryl Henlin in the Department of Environmental Stewardship. If you have any questions concerning this letter please contact me at (978) 656-3565.

Sincerely,
TRC Environmental Corporation

A handwritten signature in cursive script that reads "David M. Sullivan".

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

Cc: Cheryl Henlin, New Bedford Department of Environmental Stewardship