IMMEDIATE RESPONSE ACTION STATUS REPORT

New Bedford High School Substantial Release Migration / Critical Exposure Pathway
230 Hathaway Boulevard
New Bedford, Massachusetts
Release Tracking Number 4-22409

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Immediate Response Action Status Report

New Bedford High School – Substantial Release Migration / Critical Exposure Pathway

230 Hathaway Boulevard, New Bedford, Massachusetts

Release Tracking Number (RTN) 4-22409

TRC Project Number: 115058

May 31, 2011

TRC Environmental Corporation (TRC) is submitting this Immediate Response Action Status Report (IRA Status Report) to the Massachusetts Department of Environmental Protection (MassDEP) on behalf of the City of New Bedford (City) through the City's Department of Environmental Stewardship and per the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000). This IRA Status Report addresses a Condition of Substantial Release Migration (SRM) at the New Bedford High School (NBHS) campus located at 230 Hathaway Boulevard in New Bedford, Massachusetts (the "Site") as defined under 310 CMR 40.0006 of the MCP. The condition was reported to the MassDEP by TRC via telephone in conjunction with the City on January 29, 2010 at approximately 11:05 AM. MassDEP orally approved IRA assessment and mitigation activities at the Site, and assigned Release Tracking Number (RTN) 4-22409. TRC submitted an IRA Plan on behalf of the City on March 22, 2010 (TRC, 2010a). The NBHS campus is part of the larger Parker Street Waste Site (PSWS) that is tracked by MassDEP under RTN 4-15685. The location of the Site is shown in Figure 1.

This IRA Status Report is organized as follows: Section I (Background) briefly summarizes information on TRC's involvement with the Site, the circumstances of the release, and the response actions conducted at the Site under MassDEP oral approval. Section II (IRA Status Report) provides the contents of an IRA Status Report as set forth under the MCP, specifically 310 CMR 40.0425. Section III (References) lists information sources relied upon in the preparation of this IRA Status Report.

I BACKGROUND

The SRM condition was discovered during investigation of water pooled on the floor of the Mechanical Room (Room B-114) of the NBHS building. TRC collected several samples of the pooled water, which appeared to be seeping through cracks or seams in the floor. Analytical results for these samples suggest the potential for chlorinated volatile organic compounds (VOCs) to be present in indoor air in the building, triggering the reporting condition and the initiation of IRA assessment activities.

(a) Release Discovery

On December 2, 2009, TRC collected aqueous samples from four locations (BRM-S-1 through BRM-S-3 and FIP-S-1) where water had pooled on the floor of the Mechanical Room of the NBHS building (see Figures 2 and 3). The pooled water appeared to have seeped into the Mechanical Room through cracks and seams in the concrete floor. Based on elevation data collected by TRC, the elevation of the groundwater table is generally higher than the elevation of the lower floor surfaces of the Mechanical Room, and the seepage appears to be associated with groundwater. The aqueous samples were analyzed for VOCs, extractable petroleum hydrocarbons (EPH), polyaromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and total and dissolved metals. The results of the analyses indicated the presence of chlorinated VOCs in seep sample BRM-S-3 (vinyl chloride [VC], cis-1,2-dichloroethylene [cis-1,2-DCE], and trans-1,2-dichloroethylene [trans-1,2-DCE]), C19-C36 aliphatic hydrocarbons in seep sample BRM-S-1, and metals (arsenic, barium, lead and/or zinc) in all four of the seep samples. The concentration of VC in seep sample BRM-S-3 (2.1 micrograms per liter; ug/L) was greater than the MCP Method 1 GW-2 groundwater standard of 2 ug/L. All other concentrations were below MCP Method 1 GW-2 groundwater standards (see Table 1).

To verify the detection of VC, TRC re-sampled the pooled water for VOCs on January 7, 2010. Chlorinated VOCs were not detected in two out of four samples (BRM-S-1 and BRM-S-2). Chlorinated VOCs were detected in sample BRM-S-3 (chlorobenzene, 1,3-dichlorobenzene [1,3-DCB], 1,4-dichlorobenzene [1,4-DCB], cis-1,2-DCE, trans-1,2-DCE, trichloroethylene [TCE] and VC) and FIP-S-1 (cis-1,2-DCE and trans-1,2-DCE). The concentrations of cis-1,2-DCE and VC in sample BRM-S-3 were greater than their corresponding MCP Method 1 GW-2 groundwater standards. All other concentrations were below MCP Method 1 GW-2 groundwater standards (see Table 1).

On January 6 and 7, 2010, TRC collected groundwater samples from monitoring wells MW-4, MW-5, MW-6, and MW-7 constructed on the NBHS campus in 2008 (see Figure 2). Monitoring wells MW-4, MW-5, and MW-6 are located inside the NBHS building in the Auto Shop (Room D-116), Boiler Room (Room C-101), and Milk Bar (Room B-133), respectively. MW-7 is located near the flagpole near the front entrance to the NBHS building. The samples collected from these four monitoring wells were submitted to Con-Test Analytical Laboratory (Con-Test) in East Longmeadow, Massachusetts for analysis of VOCs. Groundwater samples were collected by TRC consistent with United States Environmental Protection Agency (EPA) Region 1 low-flow sampling procedures.

Chlorinated VOCs were not detected in two out of the four aforementioned monitoring wells (MW-4 and MW-6). Chlorinated VOCs were detected in groundwater samples from two of the monitoring wells (MW-5 and MW-7). Specifically, cis-1,2-DCE was detected at a concentration of 3.7 ug/L (4.1 ug/L in its duplicate) in monitoring well MW-5, located inside the Boiler Room and adjacent to the Mechanical Room, which is below MCP Method 1 GW-2 groundwater standards. Also, tetrachloroethylene (PCE; 63 ug/L) and VC (3.4 ug/L) were detected in monitoring well MW-7, located in front of NBHS, near the flagpole. The concentrations of PCE

and VC in the sample from MW-7 were above their respective MCP Method 1 GW-2 groundwater standards (see Table 2).

In parallel with the aforementioned investigation activities, TRC evaluated building structural features that might influence fate and transport in the groundwater beneath the NBHS building. The structural evaluation revealed an extensive underdrain system beneath the building, directing groundwater to the storm sewer during high groundwater events. A review of the NBHS engineering plans also indicated that the storm and sanitary sewers run in proximity to monitoring well MW-7 (see Figure 2).

(b) Release Reporting

On January 28, 2010 at approximately 3:30 PM, TRC advised the City's Department of Environmental Stewardship that the seep and impacted water and the underdrain system represented two potential SRM conditions as defined in 310 CMR 40.0006:

- Releases to the groundwater that have migrated or are expected to migrate more than 200 feet per year; or
- Releases to the groundwater or to the vadose zone that have resulted or are within one year likely to result in the discharge of vapors into school buildings or occupied residential dwellings.

Either of these conditions constitute a 72-hour regulatory reporting obligation to the MassDEP in accordance with 310 CMR 40.0313(5).

The SRM conditions described above 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 IRAs 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 seep.

(c) Analysis for a Potential Imminent Hazard

TRC evaluated whether the VOC concentrations in the seep were associated with a potential Imminent Hazard (IH) Condition based on fate and transport modeling of seep-water VOC

concentrations to indoor air concentrations and subsequent risk and hazard estimation. TRC modeled the potential air concentrations in the Mechanical Room where the seeps were located. TRC calculated concentrations of chlorinated VOCs in the air using the equation in the EPA's *Risk Management Program Guidance for Offsite Consequence Analysis* (EPA, 2009) to calculate evaporation rates of water and VOCs as functions of air velocity over the pooled seep water to estimate the mass balance for all detected compounds. The initial risk evaluation based on the modeled indoor air concentrations concluded that an IH condition was not present (see Appendix A of the IRA Plan).

TRC also collected indoor air data in the field using a photoionization detector (PID) and TCE- and VC-specific Draeger tubes, neither of which indicated the presence of measurable VOC impacts in the breathing zone in the Mechanical Room where the seep water was present. The Draeger Tube field screening activity included TCE tubes, with a measuring range from 2 to 50 parts per million by volume (ppmv) and VC tubes, with a measuring range from 0.5 to 5 ppmv. Twenty-one locations were sampled, including one location several inches above seep BRM-S-3. The lower end of these ranges is adequate to determine that an IH condition is not present.

The absence of an IH condition was later borne out by the analysis of indoor air, as discussed herein.

(d) IRA Activities Performed Prior to this Status Period

Following the reporting of the release condition to MassDEP on Friday, January 29, 2010, TRC undertook investigations of indoor air, subslab soil vapors, groundwater, aqueous seeps, storm sewer infrastructure, and sanitary sewer infrastructure to evaluate the SRM and the nature and extent of impacts at NBHS. Sample locations are shown on Figure 2.

The results of IRA investigation activities conducted prior to this IRA Status Report are detailed in the following TRC documents:

- *Immediate Response Action Plan – New Bedford High School Substantial Release Migration / Critical Exposure Pathway, 230 Hathaway Boulevard, New Bedford, Massachusetts.* March 2010.
- *Immediate Response Action Status Report - New Bedford High School Substantial Release Migration / Critical Exposure Pathway, 230 Hathaway Boulevard, New Bedford, Massachusetts.* May 2010.
- *Immediate Response Action Status Report - New Bedford High School Substantial Release Migration / Critical Exposure Pathway, 230 Hathaway Boulevard, New Bedford, Massachusetts.* November 2010.

A summary of those findings is presented herein. For completeness, this section also includes other activities collateral to the IRA activities (e.g., Fact Sheet preparation) implemented prior to this reporting period.

Indoor Air Sampling

On Saturday and Sunday, January 30 and 31, 2010, TRC collected five (5) indoor air samples for VOCs. Samples TRC-IA-1 through TRC-IA-5 were collected over a 24-hour period using evacuated stainless steel canisters. Since the sampling took place over the weekend, the NBHS Heating, Ventilating and Air Condition (HVAC) system was not in operation. The sample locations are illustrated on Figure 2.

The samples were submitted to Alpha Analytical (Alpha) of Westborough, Massachusetts for analysis by EPA Method TO-15. VOCs were detected in indoor air based on the samples collected by TRC and are summarized in Table 3. The analytical results are compared to the MassDEP Commercial Indoor Air Threshold Values[1] (IATVs) listed in the Draft Vapor Intrusion Guidance Document (MassDEP, 2010). Concentrations of VOCs in three of the five samples were below the Commercial IATVs. Sample TRC-IA-1 (Mechanical Room, B-114) had concentrations of TCE, and VC above the Commercial IATVs. Sample TRC-IA-5 (A-Block, Classroom A-3-112) had concentrations of VC exceeding the Commercial IATVs.

At the direction of MassDEP, the indoor air sample in the Mechanical Room was collected at the soonest possible time after the SRM condition was reported to MassDEP on January 29, 2010. The MassDEP was informed by TRC that immediate sampling of the Mechanical Room did not allow for relocation of products stored in the Mechanical Room that may have contributed to VOC concentrations measured in sample TRC-IA-1 prior to collecting the indoor air sample. Sampling was conducted pursuant to the MassDEP requirement despite the MassDEP-acknowledged potential for biased analytical results to evaluate the current indoor conditions, regardless of source.

On February 3, 2010, TRC personnel conducted an initial inventory of chemical products stored at the NBHS building focused on the Mechanical Room and associated nearby locations (e.g., boiler room, engineers' offices, etc.). TRC also compiled available Material Safety Data Sheet (MSDS) information. Where the chemical makeup of commercial products was not clearly marked, TRC referred to an appropriate MSDS for the product. Benzene and chlorinated solvent content was noted in a number of products.

The detection of chlorinated solvents in seep water and groundwater in the vicinity of the Mechanical Room defines a Critical Exposure Pathway (CEP)[2] at the NBHS building. TRC evaluated the initial indoor air results by performing a preliminary site-specific risk and hazard calculation for each room where an indoor air sample had been collected assuming a chronic worker scenario (8 hours of exposure per day, 250 days per year for 27 years) (see Appendix A of the IRA Plan). The calculations indicated that risks and hazards were less than the MCP Risk

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[1] The MassDEP has established indoor air threshold values to indicate when additional characterization is appropriate at a site. The screening levels are set at Hazard Quotient (HQ) of 0.2, an excess lifetime cancer risk (ELCR) of 1E-06, a typical indoor air background value or an analytical detection limit. A site-specific evaluation is recommended in situations where these threshold values are exceeded.

[2] 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.

Limits of an Excess Lifetime Cancer Risk (ELCR) of 1 x 10^{-5} and a Hazard Index (HI) of 1 for each room evaluated. The protocol is consistent with that conducted for the neighboring Keith Middle School (KMS) long-term monitoring for VOCs and PCBs. The preliminary evaluation indicated that, based on the sampling conducted in January 2010, there was no IH condition or chronic risk/hazard above MCP risk limits associated with indoor air exposures. Despite the initial finding of No Significant Risk, further investigations were conducted.

As described in TRC's IRA Status Report submitted on May 24, 2010 (TRC, 2010b), TRC collected twelve (12) supplemental indoor air samples (TRC-IA-1 and TRC-IA-5 through TRC-IA-15) on April 20, 2010 for analysis of VOCs via EPA Method TO-15 (see Figure 2). Samples were collected over a 24-hour period using evacuated stainless steel canisters. Since the sampling took place over the April school vacation week, the NBHS HVAC system was not in operation.

The results of the April 20, 2010 indoor air sample analyses, detailed in TRC's IRA Status Report dated May 24, 2010 and summarized in Table 3, are compared to Commercial IATVs (MassDEP, 2010). Eleven of the twelve indoor air samples collected on April 20, 2010 had no VOCs detected in excess of Commercial IATVs. This included the re-sampling of TRC-IA-5 (Classroom A-3-112), which had previously exhibited concentrations of benzene and VC exceeding the threshold screening values on January 31, 2010. Furthermore, subsurface VOC impacts have not been found in the vicinity of this room and no link has been found between the concentrations measured in the indoor air of the classroom in January 2010 and the subsurface environment in this location.

Sample TRC-IA-1 (Mechanical Room) exhibited the presence of cis-1,2-DCE, TCE, VC and total xylenes above the Commercial IATVs. No other indoor air samples exhibited VOCs in excess of the Commercial IATVs.

Based on the previous screening values, which were more conservative than the current values, sample TRC-IA-15 (Lecture Room) exhibited benzene, PCE, and total xylenes in excess of screening thresholds. Based on these data, the potential for some of the VOCs in indoor air to originate from subsurface impacts existed. However, given the proximity of sample location TRC-IA-15 to the Auto Shop (Room D-116), the potential also existed for VOCs in indoor air to originate from other sources, such as aerosol brake cleaning products and degreasing products. As a result, the City conducted additional indoor air sampling following a product inventory, the results of which are discussed in further detail below.

TRC provided an updated site-specific risk evaluation in Appendix E of the IRA Status Report submitted on May 24, 2010. TRC evaluated the indoor air results by performing site-specific risk and hazard calculations for each room where an indoor air sample had been collected. The risk hazard calculations assume a chronic worker exposure scenario (8 hours of exposure per day, 250 days per year for 27 years). The calculations indicated that risks and hazards are less than the MCP Risk Limits of an Excess Lifetime Cancer Risk (ELCR) of 1E-05 and a Hazard Index (HI) of 1 for each room evaluated. The site-specific risk and hazard calculation protocol is consistent with that conducted for the neighboring KMS for VOCs and PCBs.

The evaluation indicated that, based on the sampling conducted in January and April 2010, there is no IH condition or chronic risk/hazard above MCP risk limits associated with current indoor air exposures. All compounds detected in indoor air were included in the risk and hazard calculations even though some of the detections may be associated with VOCs sources unrelated to vapor intrusion. To assist in distinguishing the relative contribution of vapor intrusion to the measured indoor air concentrations, fate and transport modeling of soil gas to indoor air concentrations conducted for the Lecture Room (TRC-IA-15) and Classroom A-3-112 indicates that only a small fraction, if any, of the measured indoor air concentrations might be associated with a complete vapor intrusion pathway.

On May 6, 2010, TRC evaluated the types of products used and/or stored in the Auto Shop that might contribute to the VOC concentrations measured in the indoor air sample collected from the nearby Lecture Room (see Appendix D of the IRA Status Report submitted on May 24, 2010). The potential existed for VOCs in indoor air to originate from other sources, such as aerosol brake cleaning products and degreasing products. As described in the IRA Status Report submitted on November 29, 2010, following the product inventory, additional indoor air samples were collected on August 24, 2010 (TRC, 2010c). Indoor air samples IA-1 through IA-3 (including a field duplicate) were collected over a 24-hour period using evacuated stainless steel canisters from classroom A-3-112 (duplicate analysis performed), Room B-114 (mechanical room) and Room D-120 (lecture room), respectively. Since the sampling took place over the summer vacation period, the NBHS HVAC system was operating in an efficiency mode. The samples were collected from the following bottom floor interior locations at NBHS, illustrated on Figure 2.

The samples were submitted to Alpha for analysis by EPA Method TO-15. VOCs were detected in indoor air based on the samples collected by TRC and are summarized in Table 3. The analytical results are compared to the Commercial IATVs (MassDEP, 2010).

Sample IA-2 exhibited bromodichloromethane above the Commercial IATVs (see Table 3). No additional VOCs were detected in excess of Commercial IATVs in any of the samples, including the samples collected in Classroom A-112-3 and the Lecture Room.

Subsurface VOC impacts have not been found in the vicinity of Classroom A-112-3 and no link has been found between the concentrations measured in the indoor air of the classroom in January and August 2010 and the subsurface environment in this location. In addition, given the results of sample TRC-IA-15 collected on April 20, 2010 and the proximity of the sample location to the Auto Shop (D-116), the potential exists for VOCs in indoor air to originate from other sources, such as aerosol brake cleaning products and degreasing products. Sample IA-3 was collected from the Lecture Room following suspension of activities within the Auto Shop to minimize non-vapor intrusion interferences that could impact the sample results. No VOCs were detected in excess of Commercial IATVs, subsurface VOC impacts have not been found in the vicinity of this room and no link has been found between the concentrations measured in the indoor air of the classroom in April 2010 and the subsurface environment in this location.

TRC evaluated the indoor air results by performing site-specific risk and hazard calculations for each room where an indoor air sample had been collected. The risk hazard calculations assume a chronic worker exposure scenario (8 hours of exposure per day, 250 days per year for 27 years). The calculations indicated that risks and hazards are at or below the MCP Risk Limits of an Excess Lifetime Cancer Risk (ELCR) of 1E-05 and a Hazard Index (HI) of 1 for each room evaluated. The site-specific risk and hazard calculation protocol is consistent with that conducted for the neighboring KMS for VOCs and PCBs.

The evaluation indicates that, based on the sampling conducted in January, April and August 2010, there is no IH condition or chronic risk/hazard above MCP risk limits associated with current indoor air exposures. All compounds detected in indoor air were included in the risk and hazard calculations even though some of the detections may be associated with VOCs sources unrelated to vapor intrusion. As more site-specific data are gathered, VOCs identified as being related to potential non-vapor intrusion sources may be eliminated in future risk evaluations.

Field Survey of Potential Vapor Migration Pathways

TRC identified a range of possible vapor migration pathways and potential CEP mitigation measures. The following potential pathways were identified:

- Groundwater seepage through floor cracks;
- Vapor migration through and around drains;
- Vapor intrusion through floor cracks; and
- Migration of VOCs via the HVAC system at the NBHS building.

On February 11, 2010, TRC personnel screened annular spaces in and around drains and floor cracks throughout the first floor of the NBHS building using a parts per billion (ppb) RAE low-level PID. TRC also measured floor drain dimensions and determined that the floor drain lines are 3-inches in diameter. The survey identified two floor cracks, 45 drains, two sumps (the elevator shaft and dish room hatch) and one instance of pipes emerging from the floor (Fry-o-Lator). TRC noted several instances where VOC readings at the drain or crack exceeded background concentrations.

TRC conducted supplemental seep sampling, implemented mitigation measures of floor drain and floor crack potential migration pathways, and evaluated the HVAC system as detailed in the IRA Status Report submitted to MassDEP on May 24, 2010 and as summarized below.

Resampling of Mechanical Room Seep Water

On January 30, 2010, following the collection of indoor air samples at NBHS, TRC re-sampled the four seep locations and analyzed the samples for VOCs. None of the measured concentrations exceeded MCP Method 1 GW-2 groundwater standards. These results are summarized in Table 1.

Floor Drain Intrusion Mitigation

Floor drains in the building are constructed with traps that typically hold standing water sufficient to prevent air migration through the drain system into the building. The traps in floor drains used infrequently could potentially dry out over time, allowing vapors to migrate from the sewer system into NBHS.

During a supplemental survey of floor drains in the vicinity of the Mechanical Room on April 21, 2010, traps in three of the 3-inch floor drains were found to be dry. These drains were located in three "milk bar" rooms adjacent to individual house cafeteria serving areas within the NBHS building, rooms B-104, B-126 and B-133, respectively. To eliminate the potential pathway for vapor migration into the building, drain plugs were deployed in each of these drains.

Floor Crack Sealing

Several previously unidentified floor cracks were observed by TRC during a supplemental survey performed on April 21, 2010. Although visual inspection is not sufficient to determine the depth of the cracks, the majority of the cracks appeared to be surficial in nature. Two cracks observed on April 21, 2010 were sealed with a silicone sealant to prevent migration of subslab vapors. These two cracks are located within the NBHS building in the Kitchen (B-134) and a corridor (B-124).

HVAC, Air Flow, and Pressure Evaluations

On February 11, 2010, a TRC Certified Industrial Hygienist (CIH) with expertise in HVAC systems and indoor air evaluations visited the NBHS building. Field data were collected with pressure differential instrumentation, a velometer for air flow measurements, and smoke testing for visual evaluation of air flow directions. Pressure differentials, in inches of water, were measured to determine the differences in pressure between the Mechanical Room and adjacent areas. Air flow measurements were also taken in open doorways, drains, and other possible pathways.

TRC noted that the Mechanical Room is under strong negative pressure relative to adjacent hallways and rooms when all air handling equipment is operating. With the air handling units (AHUs) off, the pressure remains negative, but to a lesser degree. The primary sources of this negative pressure are operating fans and air handling equipment in the room. A secondary source of negative pressure is the chimney effect induced by the former incinerator stack. Smoke testing of the AHUs, the condensate drains, floor drains, doorways and cracks in the seep area showed that there was a strong negative pressure and that air was drawn into the intake side of the AHUs. This negative pressure should act to mitigate a potential migration to other areas of the building.

Sampling of Exterior Storm Drains

On February 3, 2010, TRC field personnel collected aqueous samples for VOC analysis from ten storm drain manholes at the NBHS campus. The selected manholes are in-line or downstream of

potential inflows from the NBHS building underdrain system. Samples HS-D-1 through HS-D-9, as well as HS-ST-1, were collected from manhole locations on the NBHS campus as illustrated on Figure 2. The sample locations were selected to evaluate whether the underdrains beneath the NBHS campus had directed potentially impacted groundwater into the storm sewer via the footing drains.

The results of the storm drain manhole aqueous sampling and laboratory analysis are detailed in TRC's previous IRA Status Report (TRC, 2010b). VOCs were not detected in nine of the ten manholes sampled on February 3, 2010. VOCs were detected in the sample collected from the one manhole that serves both the storm sewer system and the sanitary sewer system at the NBHS campus (HS-D-5). Chloroform, cis-1,2-DCE, and 1,1,1-trichloroethane were reported for the aqueous sample collected from this manhole at concentrations below MCP Method 1 GW-2 groundwater standards.

Sampling of the Sanitary Sewer

During the February school vacation on February 17, 2010, TRC collected aqueous samples from the NBHS sanitary sewer system. The five selected sanitary sewer manholes are in-line/downstream of potential inflows from the NBHS building. Samples LS-MH-1 and SS-MH-1 through SS-MH-4 were collected from the manhole locations as illustrated on Figure 2. Sample locations were selected to evaluate potential sources of the concentrations of chlorinated solvents observed in the February 3, 2010 sample collected from the combined sanitary/storm manhole (HS-D-5).

The results of the sanitary sewer manhole aqueous sample analysis, detailed in TRC's previous IRA Status Report, indicate that VOCs were detected in four of the five sanitary sewer manholes at concentrations below MCP Method 1 GW-2 groundwater standards. However, chlorinated solvents cis-1,2-DCE and trans-1,2-DCE were detected only in the two sanitary sewer manholes (SS-MH-3 and SS-MH-4). Sanitary sewer sample SS-MH-3 was collected immediately upstream from the combined sewer manhole (MH-4). Sanitary sewer sample SS-MH-4 was collected to verify previously obtained results from sample HS-D-5.

A comparison of groundwater elevation contours to sewer line elevation data indicates that the vitrified clay sanitary sewer line serving the NBHS building intersects the groundwater table in the vicinity of HS-MH-3. Both of the manholes where chlorinated solvent impacts have been detected are located downgradient from the point where the water table intersects the vitrified clay sewer line, and downgradient of monitoring well MW-7.

Camera Inspection of Sanitary Line

On March 9, 2010, in an effort to confirm infiltration of groundwater into the sanitary sewer line, the City conducted a video camera investigation of the majority of the sanitary sewer line between manholes MH-2 (location of sample SS-MH-1) and MH-5 (manhole located between samples SS-MH-3 and SS-MH-4). The recording of the camera investigation was reviewed by

TRC on March 28, 2010 and a summary of the TRC interpretation is presented in Appendix H of the IRA Status Report submitted on May 24, 2010 (TRC, 2010b).

Due to the amount of flowing water within the sanitary line, it was not feasible to determine whether groundwater was infiltrating the pipe during the camera investigation. However, mineral deposits noted along the bottom and sides of the pipe section in several locations may indicate historic infiltration of groundwater. In addition, damage to the sanitary sewer line was observed in two locations. The damage to the pipe in these areas was judged to be significant enough to allow infiltration of groundwater to the sanitary line.

Well Installation & Groundwater Sampling

On February 15, 2010 (during the February school vacation), TRC installed nine additional monitoring wells (MW-11 through MW-19) around the perimeter of A-, B- and C-Blocks at the NBHS building. TRC collected groundwater samples for VOC analysis in accordance with EPA Region 1 low-flow sampling techniques. Concurrently, TRC also sampled all existing TRC monitoring wells on the NBHS campus. A total of 16 wells were sampled from February 17 through February 19, 2010. The well locations are illustrated on Figure 2.

The groundwater samples were submitted to Alpha for analysis of VOCs. VOCs were not detected in 14 of the 16 wells sampled in February 2010 and no VOCs were detected in any of the newly installed monitoring wells. Chlorinated compounds were detected in monitoring wells MW-5 and MW-7, at concentrations similar to the previous sample round in January 2010. The results of January and February 2010 groundwater analyses are summarized in Table 2.

On April 2, 2010, TRC installed five (5) monitoring wells in the vicinity of the flagpole island to evaluate the lateral extent of groundwater impacts observed in monitoring well MW-7. TRC collected samples from these monitoring wells for VOC analysis in accordance with EPA Region 1 low-flow sampling techniques. Concurrently, TRC also sampled several existing TRC wells on the NBHS campus in the vicinity of the Mechanical Room. A total of ten (10) monitoring wells (MW-4, MW-5, MW-7, MW-11, MW-18 and MW-20 through MW-24) were sampled during the period from April 7 through April 9, 2010. The wells locations are illustrated on Figure 2.

The groundwater samples were submitted to Alpha for analysis of VOCs. The results of these analyses are summarized in Table 2. No VOCs were detected in excess of MCP Method 1 GW-2 groundwater standards in eight out of the ten monitoring wells sampled in April 2010. A concentration of one chlorinated VOC (PCE) was detected in MW-7 above the MCP Method 1 GW-2 groundwater standard. In addition, VC was detected in excess of its applicable MCP Method 1 GW-2 groundwater standard in newly installed monitoring well MW-24, located west of the entrance into the E-Block lobby (E-124) and downgradient of MW-7.

Chlorinated compounds (cis-1,2-DCE and/or TCE) were detected in monitoring wells MW-5 and MW-7 at concentrations similar to previous sampling rounds. Groundwater samples collected from newly installed monitoring wells MW-20, MW-22 (including the field duplicate) and

MW-24 also exhibited concentrations of vinyl chloride, cis-1,2-DCE, p-isopropyltoluene (p-cymene) and/or TCE. Vinyl chloride was detected in monitoring well MW-24 at a concentration that exceeded MCP Method 1 GW-2 groundwater standards, all other concentrations were below MCP Method 1 GW-2 groundwater standards. The results from wells in the vicinity of MW-7 show that the area around MW-7 appears to represent the source area of a relatively small area of chlorinated VOC impacts.

As described in TRC's IRA Status Report submitted on November 29, 2010, TRC installed five (5) shallow and two (2) deep overburden monitoring wells throughout the NBHS campus between August 24 and August 30, 2010. Shallow monitoring wells MW-25 and MW-26 were installed along Parker Street to bound VOC impacts in the vicinity of the flagpole island (MW-7 and MW-24). Shallow monitoring wells MW-27 through MW-29 were installed after a precautionary survey of the area for utilities by GPR on August 20, 2010. These monitoring wells were installed within the Mechanical Room and downgradient pipe tunnel to define the lateral extents of VOC impacts detected in aqueous seep samples. Deeper monitoring wells MW-5D and MW-7D were installed to define the vertical extent of impacts in the vicinity of the Mechanical Room and flagpole island, respectively. The newly installed wells were surveyed by Land Planning of Hanson, Massachusetts. The well locations are depicted in Figure 2.

TRC utilized New England Geotech (NEG) of Jamestown, Rhode Island, 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 petroleum impacts and field screened using the MassDEP jar headspace methodology and a PID. During installation of monitoring wells MW-27, MW-28 and MW-29, headspace readings above background were detected. This included maximum headspace readings of 1,766, 84.6 and 67.5 ppmv in monitoring wells MW-27, MW-28 and MW-29, respectively. Due to the headspace readings, soil samples MW-27 (6-8 feet) and MW-28 (8-10 feet) were collected and submitted to Con-Test for VOC analysis (SW-846 Method 8260B). Chlorinated VOCs in excess of Method 1 S1 soil standards were detected in each of the soil samples, including cis-1,2-DCE and TCE in soil boring MW-27 and TCE in soil boring MW-28 (see Table 5).

Soil samples were also collected from soil borings MW-7D and MW-28 for geotechnical parameters to aid in remedial design planning. These samples were submitted to Con-Test for total organic carbon (TOC; SW-846 Method 9060) analysis (see Table 5) and GeoTesting Express of Boxborough, Massachusetts for grain size (ASTM D 422-63, reapproved 2002) and Atterburg Limits (ASTM D 4318-05) analysis.

TRC developed the seven newly installed wells on August 26, August 30 and September 1, 2010. During developmental purging of MW-27 on August 30, 2010, small globules of dense non-aqueous phase liquid (DNAPL) were observed and an odor was noted. A sample of the DNAPL was collected for laboratory fingerprint analysis. The results of the fingerprint analysis indicated the DNAPL was composed of chlorinated VOCs, particularly TCE. Following development, no measurable product was present in monitoring well MW-27 based on interface probe measurements.

Following well development, TRC collected samples from the newly installed monitoring wells for VOC analysis in accordance with EPA Region 1 low-flow sampling techniques. Concurrently, TRC also sampled several existing TRC wells on the NBHS campus in the vicinity of the Mechanical Room, also by low-flow procedures. A total of seventeen (17) monitoring wells were sampled during the period from September 8 through September 13, 2010.

The groundwater samples were submitted to Alpha for analysis of VOCs (SW-846 Method 8260B). Select groundwater samples (MW-5, MW-5D, MW-7, MW-7D, MW-27, MW-28 and MW-29) were also analyzed for Nitrogen/Nitrate (SM 4500-NO3-F), Sulfate (Method 9038) and TOC (Method 9060). The results of these analyses are summarized in Table 2. No VOCs were detected in excess of MCP Method 1 GW-2 groundwater standards in fifteen out of the seventeen monitoring wells sampled in September 2010. Newly installed monitoring well MW-27 (Mechanical Room) exhibited concentrations of cis-1,2-DCE, trans-1,2-DCE, TCE and 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. The results from monitoring wells within the Mechanical Room indicate that the area around MW-27 appears to where highest VOC impacts have come to be located.

No VOCs were detected in excess of MCP Method 1 GW-2 groundwater standards in newly installed shallow monitoring well MW-29 or deep overburden monitoring wells MW-5D and MW-7D (including the field duplicate) in September 2010. No VOCs were detected in newly installed monitoring wells MW-25 and MW-26.

No VOCs were detected in monitoring wells MW-4, MW-11, MW-18, MW-21, MW-22 and MW-23. Chlorinated compounds (cis-1,2-DCE, PCE, TCE and/or VC) were detected in monitoring wells MW-5, MW-7, MW-20 and MW-24 at concentrations similar to previous sampling rounds. The results from wells in the vicinity of MW-7 continue to show that the area around MW-7 appears to be a separate, relatively small area where relatively higher chlorinated VOC impacts have come to be located.

Based on the September 2010 groundwater sampling, additional investigation was required to define the lateral and vertical extent of VOC impacts beneath the Mechanical Room. In addition, further definition of potential VOC impacts in the vicinity of the flagpole island was necessary.

On October 13, 2010, TRC installed four (4) shallow overburden monitoring wells at the NBHS campus. Monitoring well MW-30 was installed west of the E-Block (Girl's Gym; E-117) to determine if localized VOC impacts in the vicinity of the flagpole potentially were impacting the NBHS building. Monitoring wells MW-31, MW-32 and MW-33 were installed after a precautionary survey of the area for utilities by GPR on October 7, 2010. These monitoring wells were installed 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 impact in the vicinity of sub-slab monitoring wells MW-27 and MW-28. The newly installed wells were surveyed by Land Planning. The well locations are depicted in Figure 2.

TRC utilized NEG 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 petroleum impacts and field screened using the MassDEP jar headspace methodology and a PID. Headspace readings ranged from non-detect (background) to 1.2 ppmv.

TRC developed the four newly installed wells on October 13 and 14, 2010. Following well development, TRC collected samples from the newly installed monitoring wells for VOC analysis in accordance with EPA Region 1 low-flow sampling techniques. Concurrently, TRC also sampled several existing TRC wells on the NBHS campus in the vicinity of the Mechanical Room and flagpole island, also by low-flow procedures. A total of eight (8) monitoring wells were sampled on October 21 and 22, 2010.

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. No VOCs were detected in excess of MCP Method 1 GW-2 groundwater standards in five out of the eight monitoring wells sampled in October 2010, including newly installed monitoring well MW-32 located approximately 16 feet east of MW-27. No VOCs were detected in newly installed monitoring wells MW-31 and MW-33, located approximately 31 feet west of MW-27 and approximately 20 feet north of MW-27, respectively. Chlorinated compounds were once again detected in monitoring wells MW-27 and MW-28 at concentrations in excess of MCP Method 1 GW-2 groundwater standards.

No VOCs were detected in newly installed monitoring wells MW-30, located east of E-Block (Girl's Gym; E-117). Chlorinated compounds (cis-1,2-DCE, PCE, TCE and/or VC) were detected in monitoring wells MW-7 and MW-24 at concentrations similar to previous sampling rounds, with the exception that no TCE was detected in MW-7 in October 2010. The results from wells in the vicinity of MW-7 continue to show that the area around MW-7 appears to be a separate, relatively small area where chlorinated VOC impacts have come to be located.

Based on the October 2010 groundwater sampling results, the lateral extent of VOC impacts in the vicinity of the Mechanical Room and flagpole island have been defined. In addition, the vertical extent of VOC impacts in the vicinity of the flagpole has been defined by the installation and sampling of monitoring well MW-7D. However, additional investigation was necessary to define the vertical extent of VOC impacts in the vicinity of the Mechanical Room.

On November 8 and 9, 2010, TRC installed one (1) deep overburden monitoring well (MW-27D) in the Mechanical Room. The newly installed monitoring well was surveyed by Land Planning. The well location is depicted in Figure 2 and 3.

TRC utilized Geologic-Earth Exploration, Incorporated of Norfolk, Massachusetts to perform drilling activities under TRC field supervision. The boring was advanced using drive and wash methods. The drill cuttings and split spoons samples were visually examined in the field for evidence of impacts and field screened using the MassDEP jar headspace methodology and a PID. The headspace readings ranged from background to 3.8 ppmv.

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 on November 18, 2010. The groundwater sample from MW-27D was submitted to Alpha for analysis of VOCs (SW-846 Method 8260B). The results of this analysis are discussed in detail in Section II below.

Groundwater Elevation Gauging

On February 17, 2010, TRC gauged the monitoring wells throughout the NBHS campus. Consistent with historic well gauging data, the groundwater flows from north to south across the NBHS campus. In addition, localized groundwater mounding was observed in the vicinity of the B-Block, immediately north of the Mechanical Room.

The extensive underdrain system throughout the underside of the NBHS building appears to direct groundwater to the storm sewer during high water events, and appears to influence the contour of the water table.

TRC gauged the new and previously installed monitoring wells prior to collection of groundwater samples on April 7, 2010 and a change in the groundwater conditions was observed. According to preliminary data available from the National Oceanic and Atmospheric Administration (NOAA), the City of New Bedford received 6.84 inches of rainfall in the approximately two-week period and a total of 11.77 inches of rainfall in the one-month period prior to well gauging activities on April 7, 2010. The significant amount of rainfall prior to the April 7, 2010 gauging event was an indication that the groundwater, at a minimum, was at a seasonal high groundwater elevation. Further evaluation of the groundwater elevation at the NBHS campus was undertaken to better understand average groundwater elevations and groundwater elevation fluctuations at the Site.

TRC conducted a third synoptic well gauging event at the NBHS campus on May 17, 2010. As anticipated, a drop in the groundwater elevation throughout the NBHS campus when compared to the April 7, 2010 gauging event was observed attributable to less precipitation over that timeframe. In addition, the groundwater mounding, present in the vicinity of the Mechanical Room in February 2010, was not present based on the May 17, 2010 gauging results. Groundwater flow continued to generally trend from north to south across the NBHS campus, while shifting to a more southwesterly direction in the southern portion of the campus.

As described in the IRA Status Report submitted on November 29, 2010, TRC conducted an additional synoptic well gauging event at the NBHS campus on September 7, 2010. The results of the well gauging event indicated a drop in the groundwater elevation throughout the NBHS campus when compared to the May 17, 2010 gauging event. Groundwater flow continued to generally trend from north to south across the NBHS campus, while shifting to a more southerly direction in the southern portion of the campus.

Previous estimated groundwater elevation contour maps are presented in TRC's IRA Plan and previous IRA Status Report submitted on May 24, 2010 and November 29, 2010.

Temporary Subslab Soil Gas Sampling Points

On February 15, 2010 during the February school vacation, TRC collected soil vapor samples from temporary sample points installed at 11 locations throughout A-, C-, and D-Blocks of the NBHS building. The sample locations are illustrated on Figure 2, and were designed to provide screening information regarding potential subslab vapor impacts in the vicinity of A-, C- and D-Blocks.

The results of the subslab soil gas analysis are summarized in Table 4. The analytical results show detectable concentrations of various VOCs in all 11 sampling locations. The soil vapor results are compared to a screening level threshold equal to 50-times the Commercial IATVs (MassDEP, 2010), consistent with guidance provided by MassDEP. Concentrations above the screening level thresholds were only found in the sample from location TVP-11 (acetone). TVP-11 is located in the Auto Shop (Room D-116).

Permanent Soil Gas Sampling Points

On February 19, 2010 during the February school vacation, following receipt of the temporary soil gas sample point results, TRC selected eight (8) locations for the installation of permanent soil gas sampling points. The permanent soil gas sampling points were installed consistent with the construction details provided in the prior IRA Status Report. Seven of the eight locations (PVP-1 through PVP-5, PVP-7 and PVP-8) were previously used as temporary soil vapor sample locations. The eighth location (PVP-6) was installed in the Mechanical Room after a precautionary survey of the area for utilities by ground penetrating radar (GPR). The permanent points were installed in the locations illustrated on Figure 2.

On April 9, 2010, TRC collected a soil vapor sample (PVP-6) from the permanent soil gas point in the Mechanical Room. A soil vapor sample was not previously collected for the Mechanical Room during the February 2010 sampling event due to utility obstructions.

All eight permanent soil gas points were sampled by TRC on April 20, 2010. The samples were collected using evacuated stainless steel canisters consistent with the methods employed during the sampling of the temporary soil gas points described in the IRA Plan. The soil vapor samples were submitted to Alpha for analysis by EPA Method TO-15.

The results of the subslab soil gas analysis were detailed in the IRA Status Report submitted on May 24, 2010 and are summarized herein (TRC, 2010b). The analytical results show detectable concentrations of various VOCs at all eight sampling locations. The soil vapor results were compared to a screening level threshold equal to 50-times the IATVs (MassDEP, 2010), consistent with guidance provided by MassDEP. No VOCs were detected above the screening level thresholds in seven out of the eight permanent vapor points.

VOCs were found above screening level thresholds in samples PVP-6 (Mechanical Room), during both the April 9, 2010 and April 20, 2010 sampling events. On April 9, 2010, sample PVP-6 exhibited concentrations of 1,1-dichloroethene (1,1-DCE), cis-1,2-DCE, PCE, trans-1,2-DCE, TCE, and VC above threshold screening values. On April 20, 2010, each of these compounds, with the exception of PCE, was again detected above threshold screening levels. Bromodichloromethane, previously non-detect, was also detected above the screening value on April 20, 2010. The previously detected elevated concentration of acetone in the Auto Shop soil gas sample was not repeated during the April 20, 2010 sampling event (Table 4).

Due to the presence of VOCs in soil vapors above threshold screening levels in the Mechanical Room and Auto Shop and VOCs in indoor air above threshold screening levels in the Mechanical Room and Lecture Room adjacent to the Auto Shop, TRC evaluated seep mitigation measures (Mechanical Room) and conducted supplemental investigation activities (Mechanical Room and Auto Shop / Lecture Room area). Further detail regarding these activities is provided in Section II below.

Fact Sheet

TRC prepared a Fact Sheet regarding IRA activities which the City published on February 5, 2010. An updated version of the February 5, 2010 Fact Sheet was published by the City on March 19, 2010. In addition, Fact Sheets summarizing investigation activities throughout the NBHS campus, including IRA-related activities, were published in June and July, 2010.

The Fact Sheets served to notify the public that it is safe to occupy the high school, provide a description of the investigations completed to date, describe the next steps in response actions, and identify where additional information could be obtained from the City. Any future Fact Sheets that relate to RTN 4-22409 will be included with future regulatory submittals.

II IMMEDIATE RESPONSE ACTION STATUS REPORT (310 CMR 40.0425)

This IRA Status Report is organized according to the information needs set forth under 310 CMR 40.0425(3)(a) through (e) of the MCP. This section describes activities performed subsequent to activities described in the IRA Plan submitted on March 22, 2010 and IRA Status Reports submitted on May 24, 2010 and November 29, 2010. The status period for this report is from November 18, 2010 through May 29, 2011.

(a) The Status of Assessment and/or Remedial Actions

The detection of chlorinated VOCs in groundwater (MW-27, MW-28 and MW-32), seep water (BRM-S-3 and FIP-S-1), and indoor air (TRC-IA-1) confirms a CEP in the Mechanical Room at NBHS. TRC continued to investigate the CEP condition within the Mechanical Room. TRC also submitted an IRA Plan Modification to the MassDEP on January 18, 2011. The IRA Plan Modification added 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. The results of additional investigation activities to date are detailed in Section II(b) below. Laboratory data packages associated with samples discussed in the following section are included in Appendix A.

TRC's IRA Plan also outlined potential CEP mitigation measures to be undertaken during the IRA. Those mitigation measures implemented to date are described in the IRA Plan (TRC, 2010a), TRC's previous IRA Status Reports (TRC, 2010b and TRC, 2010c), and in the following section. Evaluation and implementation of some mitigation measures (e.g., seep mitigation, etc.) are ongoing.

IRA Plan Modification

TRC's January 18, 2011 IRA Plan Modification (TRC, 2011) added to the previously approved IRA activities the removal of chlorinated VOC-impacted groundwater in the vicinity of MW-27. The specific activities outlined in the IRA Plan Modification include:

- One or more short-term pumping events (TFE) at monitoring well MW-27R;
- Containment of extracted groundwater in the vacuum truck;
- Off-site disposal of extracted groundwater at an appropriate facility; and
- Collection of post-extraction groundwater samples in accordance with EPA Region 1 low-flow sampling techniques.

Following the receipt of analytical results for groundwater samples, the need for additional TFE will be evaluated. If and when TRC has determined that additional pumping events are not a useful and cost-effective means of reducing concentrations of chlorinated VOCs in the vicinity of the Mechanical Room, alternative remedial approaches may be considered.

On February 23, 2011, the MassDEP issued an approval of the IRA Plan Modification. A copy of the approval letter is included as Appendix B.

The initial pumping event was conducted following MassDEP approval on February 25, 2011. A description of IRA Plan Modification activities conducted to date is included in Section II(b) below.

Seepage Mitigation

TRC invited several waterproofing vendors to the NBHS Mechanical Room to view the seepage condition and provide a proposal for seep mitigation. Following an evaluation of the proposals, Hydra Concrete Waterproofing (Hydra) of Holliston, Massachusetts was contracted to seal cracks throughout the Mechanical Room using Contite® Crystalline Technology.

Seep mitigation crack sealing was initiated by Hydra during the NBHS school vacation week on December 28 through 30, 2010. TRC provided oversight throughout the seep mitigation activities. The Mechanical Room crack sealing activities included the following:

- Seep water collection using industrial wet/dry vacuums and temporary on-site storage in Department of Transportation (DOT) 55-gallon steel drums pending off-site disposal.
- Routing of both horizontal and vertical cracks in the concrete to an approximate depth of 0.75-inches to facilitate placement of hydrophilic caulking (as needed) and Contite® penetrating mortar.
- Routing of construction joints (i.e., where walls and floor meet) to an approximate depth of 0.75-inches to facilitate placement Contite® penetrating mortar.

During routing of the construction joints in select areas of the Mechanical Room, joint foam backing rod and joint caulking material was encountered and removed by Hydra. The material was segregated and analyzed for PCBs (Method 8082) by Northeast Analytical (NEA) of Schenectady, New York. In addition, concrete removed by Hydra during routing activities was retained and analyzed for PCBs (Method 8082) by NEA. The analytical results indicated detectable concentrations of PCBs in the joint foam backing rod (MECH FJF) and caulking (MECH FJC) samples at concentrations of 0.646 micrograms per gram (ug/g) and 0.980 ug/g, respectively. No PCBs were detected in the sample of concrete (MECH FJ Conc).

The application of the Contite® penetrating mortar was successful in reducing the amount of seepage from the cracks in the Mechanical Room. However, seepage was not completely mitigated in select areas (e.g., former incinerator pit, behind control panels, etc.) following the first application. In addition, as anticipated due to the physics of hydraulic head, as the cracks were effectively sealed, additional groundwater seepage points developed.

Hydra conducted additional crack sealing activities during NBHS school vacation weeks between February 24 and 25, 2011 and April 20 and 21, 2011, respectively. TRC provided oversight during and/or follow-up inspections following the additional seep mitigation activities.

Following TRC's most recent inspection on April 25, 2011, seepage has been eliminated throughout a large portion of the Mechanical Room. However, limited seeps are present on the south side of the Chiller Deck in the vicinity of the access door to the Boiler Room (C-101) and within the former incinerator pit. The seasonally elevated water table and associated increased hydraulic head is likely contributing to the persistence of the seepage, particularly in the former incinerator pit.

Total Fluid Extraction

As described in TRC's IRA Plan Modification, the removal of chlorinated VOC-impacted groundwater in the vicinity of MW-27 was added to the previously approved IRA activities. 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 were defined. Because significant concentrations chlorinated VOCs were not measured in samples collected from any of the surrounding monitoring wells, the mass of chlorinated VOCs was judged to be relatively small. Targeted/source-area multi-phase extraction (TFE) was selected to achieve short-term contaminant mass reduction.

TRC proposed 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 (see Figures 2 and 3). The original one-inch well installed as MW-27 was supplemented on December 28 and 29, 2010 with the four-inch diameter well (MW-27R) to allow for more efficient groundwater extraction. Newly installed well MW-27R is located immediately adjacent to monitoring well MW-27. Monitoring well MW-27 was subsequently abandoned in place by sealing with bentonite on March 21, 2011.

TRC fabricated a vacuum seal manifold for the vacuum truck and the initial one-day pumping event was conducted during the NBHS school vacation week on February 25, 2011. The vacuum truck and operator were provided by Triumvirate Environmental, Incorporated (TEI) of Somerville, Massachusetts and TRC provided oversight during all TFE activities.

A total of approximately 220 gallons of impacted groundwater was extracted from well MW-27R during the February 25, 2011 event. Based on groundwater sampling results discussed in the next section, additional TFE events were recommended. Three additional TFE events were conducted on March 21, 2011, April 5, 2011 and April 25, 2011 with total removals of approximately 490 gallons, 609 gallons and 671 gallons, respectively. During the second and third TFE events, in addition to vacuum extraction from well MW-27R, a submersible pump was used to pump impacted groundwater from monitoring well MW-32. As described in the IRA Plan Modification, following each pumping event TRC collected groundwater samples from monitoring wells in the vicinity of the TFE activities. Additional details regarding the individual TFE events in relation to the results of each additional groundwater sampling activities are described in Section II(b) below.

In addition, as described in Section II(c) of TRC's IRA Status Report submitted on November 29, 2010, TEI pumped off investigation-derived wastewater from seven 55-gallon drums

(approximately 370 gallons) temporarily staged and secured on-site on February 25, 2011. The investigation-derived wastewater was generated during previous well development, purging and sampling activities. A limited amount of containerized water was also related to the previously described seep mitigation activities. An additional three drums of soil cuttings generated during previous well installation activities and temporarily stored on-site were also transported off-site by TEI for disposal on February 25, 2011. The transportation and off-site disposal of investigation derived and remediation waste is discussed in detail in Section II(c) below.

(b) New Site Information and Data

Supplemental investigation activities completed under the IRA during this reporting period included: additional groundwater sampling following TFE events, additional storm drain sampling and additional indoor air sampling. Following review of the data, an updated indoor air risk evaluation was completed (Appendix D).

Supplemental Groundwater Sampling

The initial one-day pumping event was conducted during the NBHS school vacation week on February 25, 2011. On March 8, 2011, following the initial pumping event, TRC collected groundwater samples from monitoring wells in the vicinity of the TFE activities. A total of seven (7) monitoring wells (MW-5, MW-27D, MW-27R, MW-28, MW-31, MW-32 and MW-33) were sampled on March 8, 2011 in accordance with EPA Region 1 low-flow sampling techniques. The wells locations are illustrated on Figures 2 and 3. Groundwater sampling logs associated with the sampling event are provided in Appendix C.

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. Consistent with previous analytical results, no VOCs were detected in excess of MCP Method 1 GW-2 groundwater standards in monitoring wells MW-5 and MW-27D. No VOCs were detected in monitoring wells MW-31 and MW-33, located approximately 31 feet west of MW-27 and approximately 20 feet north of MW-27, respectively. Chlorinated compounds were detected in MW-27R (including duplicate analysis) in excess of MCP Method 1 GW-2 groundwater standards including trans-1,2-DCE (2,500 ug/L), TCE (210,000 ug/L) and cis-1,2-DCE (12,000 ug/L). Vinyl chloride and TCE were detected in monitoring well MW-28 at concentrations in excess of MCP Method 1 GW-2 groundwater standards.

In addition, monitoring well MW-32, which had not previously exhibited chlorinated compounds in excess of MCP Method 1 GW-2 ground standards, exhibited TCE and cis-1,2-DCE at concentrations of 17,000 ug/L and 910 ug/L, respectively. TRC judged that the seasonal high water table may have caused VOC-contaminated groundwater to flow along the NBHS underdrain system toward the MW-32 well location. Figure 4 depicts the approximate location of the underdrain system in the vicinity of the Mechanical Room.

Due to an increase in the concentration of VOCs in MW-27R (relative to concentrations previously measured in MW-27) and to minimize the potential for further impact migration in the vicinity of MW-32, a second one-day pumping event was conducted on March 21, 2011.

On March 25, 2011, TRC collected groundwater samples from MW-27D, MW-27R, MW-28 and MW-32 in accordance with EPA Region 1 low-flow sampling techniques. The wells locations are illustrated on Figures 2 and 3. Groundwater sampling logs associated with the sampling event are provided in Appendix C. 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. Consistent with previous analytical results, no VOCs were detected in excess of MCP Method 1 GW-2 groundwater standards in monitoring well MW-27D. Chlorinated compounds were detected in MW-27R, MW-28 and MW-32 (including duplicate analysis) in excess of MCP Method 1 GW-2 groundwater standards. In each well, the concentrations of VOCs generally increased in comparison to the March 8, 2011 sampling results.

Due to an increase in the concentration of VOCs in MW-27R, MW-28 and MW-32, a third TFE event was conducted on April 5, 2011. Prior to pumping activities on April 5, 2011, a grab sample was collected from well MW-27R using a bailer to evaluate the static conditions prior to TFE implementation. The groundwater sample was submitted to Alpha for analysis of VOCs (SW-846 Method 8260B). The analytical results are summarized in Table 6. The results indicate a significant reduction in the concentration of VOCs in well MW-27R following a stabilization period.

Shortly after the third pumping event, TRC once again collected groundwater samples from monitoring wells in the vicinity of the TFE activities between April 8 and 12, 2011. TRC collected samples from MW-5, MW-5D, MW-27D, MW-27R, MW-28, MW-31, MW-32 and MW-33 in accordance with EPA Region 1 low-flow sampling techniques. TRC also sampled one exterior storm drain sand trap[3] manhole located near the southeast corner of A-Block, House #4. Additional samples were collected during this event as a result of the potential for the underdrain system to be contributing to groundwater impact migration. The well and sand trap locations are illustrated on Figures 2, 3 and 4. Groundwater sampling logs associated with the sampling event are provided in Appendix C. The groundwater samples were submitted to Alpha for analysis of VOCs (SW-846 Method 8260B). The results of the monitoring well samples are summarized in Table 2. The analytical results from the sand trap sample are summarized in Table 7.

No VOCs were detected in excess of MCP Method 1 GW-2 groundwater standards in monitoring well MW-5, MW-5D and MW-27D. No VOCs were detected in monitoring wells MW-31 and MW-33. Chlorinated compounds were detected in MW-27R, MW-28 and MW-32 (including duplicate analysis) in excess of MCP Method 1 GW-2 groundwater standards; however, the concentrations of VOCs in these wells generally decreased in comparison to the previous

[3] The sand trap represents the closest accessible sample point within the storm drain system downstream of the Mechanical Room underdrain discharge point from beneath the NBHS building. The sand trap had been previously sampled on February 3, 2010 (sample location HS-ST-1) and was sampled on April 11, 2011 to evaluate if groundwater impacts in the vicinity of the Mechanical Room had potentially entered the underdrain system.

groundwater sampling event. TCE was the only VOC detected in the sand trap sample and was detected at a concentration below the Method 1 GW-2 groundwater standard.

A fourth pumping event was conducted on April 25, 2011 in an attempt to remove additional mass from the aquifer and further reduce the concentrations of VOCs. Once again, a grab sample was collected from well MW-27R using a bailer to evaluate the static conditions prior to TFE implementation. The groundwater sample was submitted to Alpha for analysis of VOCs (SW-846 Method 8260B) and the analytical results are summarized in Table 6. The results again indicate a significant reduction in the concentration of VOCs in well MW-27R following a stabilization period and in comparison to the grab sample collected shortly after the TFE event. A grab sample ("VAC TRUCK") was also collected from the vacuum truck following collection activities on April 25, 2011. The sample was also submitted to Alpha for analysis of VOCs. The results of that analysis are included in Table 6.

Between April 28 and 29, 2011, several days after the fourth pumping event, TRC collected groundwater samples from MW-5, MW-5D, MW-16, MW-18, MW-27D, MW-27R, MW-28 and MW-32 for VOC analysis in accordance with EPA Region 1 low-flow sampling techniques. TRC also sampled the exterior storm drain sand trap manhole located near the southeast corner of A-Block, House #4. The well and sand trap locations are illustrated on Figures 2, 3 and 4. Groundwater sampling logs associated with the sampling event are provided in Appendix C.

The groundwater samples were submitted to Alpha for analysis of VOCs (SW-846 Method 8260B). The results of the monitoring well samples are summarized in Table 2. The analytical results from the sand trap sample are summarized in Table 7. Consistent with previous analytical results, no VOCs were detected in excess of MCP Method 1 GW-2 groundwater standards in monitoring well MW-5, MW-5D and MW-27D (including duplicate analysis). No VOCs were detected in monitoring wells MW-16 and MW-18. Chlorinated compounds were detected in MW-27R, MW-28 and MW-32 in excess of MCP Method 1 GW-2 groundwater standards; however, the concentrations of VOCs in these wells generally decreased in comparison to the previous groundwater sampling event. TCE was again detected in the sand trap sample at a slightly higher concentration when compared to the April 11, 2011 sample. However, the detected concentration of TCE (22 ug/L) was still below the Method 1 GW-2 groundwater standard. In addition, cis-1,2-DCE was detected in the sand trap sample at a concentration below the Method 1 GW-2 groundwater standard.

Groundwater sample results following the fourth TFE event indicated that the concentrations of VOCs in the vicinity of MW-27R have been significantly reduced. Detected concentrations of trans-1,2-DCE, TCE and cis-1,2-DCE have decreased from 2,600 ug/L, 410,000 ug/L and 9,500 ug/L, respectively on March 25, 2011 to 1,400 ug/L, 38,000 ug/L and 4,600 ug/L, respectively on April 29, 2011.

TRC is currently evaluating the necessity for an additional TFE event, as well as considering alternative remedial approaches. The results of additional TFE events and/or a determination of alternative remedial approaches will be discussed in a future regulatory submittal.

Supplemental Groundwater Elevation Gauging

Prior to January 2011, TRC performed four synoptic well gauging events at the NBHS campus on February 17, 2010, April 7, 2010, May 17, 2010 and September 7, 2010. Consistent with historic well gauging data, the groundwater was observed to generally flow from north to south across the NBHS campus. However, localized groundwater mounding has been observed in the vicinity of B-Block, immediately north of the Mechanical Room and, at a minimum, a seasonal high groundwater elevation was observed during the April 2010 gauging event. In addition, the extensive underdrain system beneath the NBHS building appears to divert groundwater to the storm sewer during high water events, and appears to influence the contour of the water table.

TRC conducted an additional synoptic well gauging event at the NBHS campus on January 20, 2011. Groundwater elevation data, including the previous synoptic well gauging events, are provided in Table 8. TRC prepared a revised interpreted groundwater contour map, illustrated in Figure 5. The groundwater contour map depicts a rise in the groundwater elevation throughout the NBHS campus when compared to the September 7, 2010 gauging event. Groundwater flow continues to generally trend from north to south across the NBHS campus, while shifting to a more southwesterly direction in the southern portion of the campus.

Supplemental Indoor Air Sampling

Following the detection of VOCs in monitoring well MW-32 on March 8, 2011 and March 25, 2011, indoor air samples were collected from selected rooms located along the underdrain line flowing from the vicinity of MW-27R, past MW-32, and discharging to a footing drain near Room B-106 (Storage Room). The purpose of these samples was to evaluate the potential for the underdrain system to be providing a pathway for the migration of impacted vapors to indoor locations beyond the Mechanical Room. Several rooms along this underdrain path were selected for indoor air sampling to evaluate the potential for vapor intrusion.

Additional indoor air samples were collected on April 8, 2011 from the following bottom floor interior locations at NBHS, illustrated on Figure 4:

- Storage Room (B-106) – Sample designation B106
- Senior Honors Lounge (B-109) – Sample designation B109 (duplicate analysis performed)
- Can Wash (B-147) – Sample designation B147

The samples were collected over a 12-hour period using evacuated stainless steel canisters and submitted to Alpha for analysis by EPA Method TO-15. VOCs were detected in indoor air based on the samples collected by TRC and are summarized in Table 3. The analytical results are compared to Commercial IATVs (MassDEP, 2010).

Each of the samples (including the field duplicate) exhibited concentrations of TCE above the Commercial IATV. No additional VOCs were detected in excess of Commercial IATVs. Based on these data, the potential for some of the VOCs in indoor air to originate from subsurface

impacts exists. However, immediate sampling of the rooms did not allow for the inventory and/or relocation of products stored in these areas. Therefore, the potential also exists for VOCs in indoor air to originate from other sources.

TRC evaluated the indoor air results by performing site-specific risk and hazard calculations for each room where an indoor air sample had been collected. The risk hazard calculations, provided in Appendix D, assume a chronic worker exposure scenario (8 hours of exposure per day, 250 days per year for 27 years). The calculations indicated that risks and hazards are at or below the MCP Risk Limits of an Excess Lifetime Cancer Risk (ELCR) of 1E-05 and a Hazard Index (HI) of 1 for each room evaluated. The site-specific risk and hazard calculation protocol is consistent with that conducted for the neighboring KMS for VOCs and PCBs.

The evaluation indicates that, based on the sampling conducted in January, April, August 2010 and April 2011, there is no IH condition or chronic risk/hazard above MCP risk limits associated with current indoor air exposures. All compounds detected in indoor air were included in the risk and hazard calculations even though some of the detections may be associated with VOCs sources unrelated to vapor intrusion. As more site-specific data are gathered, VOCs identified as being related to potential non-vapor intrusion sources may be eliminated in future risk evaluations.

(c) Plans for the Management of Investigation or Remediation Waste

Prior to submittal of the IRA Plan Modification, activities had been limited to assessment and mitigation measures at the NBHS campus. These activities generated a limited amount of investigation-derived wastes.

- During well development, purging and sampling activities in August, October and November 2010, approximately seven 55-gallon drums with well development water and purge water were generated. These drums are temporarily staged and secured on-site pending off-site disposal.

- Additional monitoring wells were installed at the NBHS campus in August, October and November 2010. Soil cuttings generated during well installation were containerized in three 55-gallon drums. These drums are temporarily staged and secured on-site pending off-site disposal.

On February 25, 2011, TEI pumped off the drums of well development and purge water during vacuum extraction activities. A total of approximately 370 gallons of water was removed from the drums. The empty drums were recycled by TEI. The three drums of soil cuttings associated with well installation activities were also removed from the site for disposal by TEI on February 25, 2011. A copy of the Uniform Hazardous Waste Manifest associated with the drum removal is included in Appendix E.

Impacted groundwater removed from wells MW-27R and MW-32 during TFE activities was pumped directly into the vacuum truck for temporary storage and transportation off-site for

disposal. Four TFE events have been conducted to date, with a total of approximately 1,990 gallons of groundwater removed. The following summarizes the pumping events:

- Round #1 (February 25, 2011) – Approximately 220 gallons of groundwater removed from MW-27R (additional approximately 370 gallons of investigation-derived waste also removed as noted above).
- Round #2 (March 21, 2011) – Approximately 490 gallons removed (approximately 80 gallons from MW-32).
- Round #3 (April 5, 2011) – Approximately 609 gallons removed (approximately 120 gallons from MW-32)
- Round #4 (April 25, 2011) – Approximately 671 gallons removed (approximately 200 gallons from MW-32)

Impacted groundwater removed during TFE activities was transported off-site by TEI for disposal at the United Oil Recovery, Incorporated facility in Meriden, Connecticut. Copies of the Uniform Hazardous Waste Manifest associated with each pumping event are included in Appendix E.

As described in Section II(a), during routing of the construction joints in select areas of the Mechanical Room, joint foam backing rod and joint caulking material was encountered and removed by Hydra. Based on these concentrations the materials were managed for disposal as solid waste.

No other remediation waste has been generated or managed to date during IRA related activities.

Descriptions of and shipping documents associated with the storage and transportation additional remediation wastes generated under this IRA will be included in a future regulatory submittal.

(d) MassDEP-Required Information

An IH screening evaluation was performed and submitted with the IRA Plan and an updated version was included in TRC's previous IRA Status Reports submitted to MassDEP on May 24, 2010 and November 29, 2010. A further update is provided herein (see Appendix D). No additional information has been requested by MassDEP.

(e) LSP Opinion

The objective of this IRA was to characterize groundwater, seep water, soil vapor and indoor air to determine if vapor migration has occurred, characterize VOCs in the groundwater, storm sewer lines, and sanitary sewer lines to determine if any VOC migration from the groundwater to the storm and sanitary sewer infrastructure has occurred and implement mitigation measures associated with an SRM condition at the NBHS building.

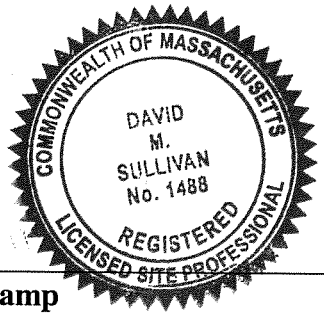
This IRA Status Report has been prepared in accordance with 310 CMR 40.0425 as set forth in the MCP.

David M. Sullivan

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

5/31/2011

Date



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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.

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TABLES

Table 1
Summary of Analytical Results for Aqueous Seep Samples -- December 2009 and January 2010
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		BRM-S-1			BRM-S-2			BRM-S-3				FIP-S-1		
		Sample Date:		12/2/2009	1/7/2010	1/30/2010	12/2/2009	1/7/2010	1/30/2010	12/2/2009	1/7/2010	1/30/2010	1/30/2010	12/2/2009	1/7/2010	1/30/2010
		GW-2	GW-3										Field Dup			
VOCs																
(ug/L)	Acetone	50,000	50,000	50 U	50 U	5.0 U	50 U	50 U	5.0 U	50 U	50 U	5.0 U	5.0 U	50 U	50 U	5.0 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	0.50 U	0.50 U	2.0 U	0.50 U	0.50 U	2.0 U	0.50 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	2.0 U
	Benzene	2,000	10,000	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	1.0 U	1.0 U
	Bromobenzene	NS	NS	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	1.0 U	1.0 U
	Bromochloromethane	NS	NS	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	1.0 U	1.0 U
	Bromodichloromethane	6	50,000	1.0 U	5.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U
	Bromoform	700	50,000	5.0 U	10 U	1.0 U	5.0 U	10 U	1.0 U	5.0 U	10 U	1.0 U	1.0 U	5.0 U	10 U	1.0 U
	Bromomethane	7	800	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	5.0 U	5.0 U	2.0 U	2.0 U	5.0 U
	2-Butanone (MEK)	50,000	50,000	20 U	20 U	10 U	20 U	20 U	10 U	20 U	20 U	10 U	10 U	20 U	20 U	10 U
	n-Butylbenzene	7,000[1]	50,000[1]	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	1.0 U	1.0 U
	sec-Butylbenzene	7,000[1]	50,000[1]	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	1.0 U	1.0 U
	tert-Butylbenzene	7,000[1]	50,000[1]	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	1.0 U	1.0 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	0.50 U	0.50 U	2.0 U	0.50 U	0.50 U	2.0 U	0.50 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	2.0 U
	Carbon Disulfide	NS	NS	3.0 U	5.0 U	1.0 U	3.0 U	5.0 U	1.0 U	3.0 U	5.0 U	1.0 U	1.0 U	3.0 U	5.0 U	1.0 U
	Carbon Tetrachloride	2	5,000	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	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	**9.5**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorodibromomethane	20	50,000	0.50 U	10 U	1.0 U	0.50 U	10 U	1.0 U	0.50 U	10 U	1.0 U	1.0 U	0.50 U	10 U	1.0 U
	Chloroethane	NS	NS	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U
	Chloroform	50	20,000	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U
	Chloromethane	NS	NS	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U
	2-Chlorotoluene	NS	NS	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	1.0 U	1.0 U
	4-Chlorotoluene	NS	NS	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	1.0 U	1.0 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	5.0 U	10 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	10 U	5.0 U
	1,2-Dibromoethane (EDB)	2	50,000	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U	1.0 U	1.0 U	0.50 U	0.50 U	1.0 U
	Dibromomethane	NS	NS	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	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	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	**1.6**	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	**6.8**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U
	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	1.0 U	1.0 U
	1,2-Dichloroethane	5	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	1.0 U	1.0 U
	1,1-Dichloroethylene	80	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	1.0 U	1.0 U
	cis-1,2-Dichloroethylene	100	50,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**54**	**180**	**24**	**23**	1.0 U	**5.6**	**7.2**
	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	**14**	**57**	**8.2**	**8.1**	1.0 U	**1.0**	**1.4**
	1,2-Dichloropropane	3	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	1.0 U	1.0 U
	1,3-Dichloropropane	NS	NS	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U	1.0 U	1.0 U	0.50 U	0.50 U	1.0 U
	2,2-Dichloropropane	NS	NS	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	1.0 U	1.0 U
	1,1-Dichloropropene	NS	NS	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U
	cis-1,3-Dichloropropene	10[2]	200[2]	0.50 U	5.0 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U
	trans-1,3-Dichloropropene	10[2]	200[2]	0.50 U	5.0 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U
	Diethyl Ether	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U
	Diisopropyl Ether (DIPE)	NS	NS	0.50 U	0.50 U	2.0 U	0.50 U	0.50 U	2.0 U	0.50 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	2.0 U
	1,4-Dioxane	6,000	50,000	50 U	50 U	100 U	50 U	50 U	100 U	50 U	50 U	100 U	100 U	50 U	50 U	100 U
	Ethylbenzene	20,000	5,000	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	1.0 U	1.0 U
	Hexachlorobutadiene	1	3,000	1.0 U	1.0 U	0.50 U	1.0 U	1.0 U	0.50 U	1.0 U	1.0 U	0.50 U	0.50 U	1.0 U	1.0 U	0.50 U
	2-Hexanone (MBK)	NS	NS	10 U	10 U	1.0 U	10 U	10 U	1.0 U	10 U	10 U	1.0 U	1.0 U	10 U	10 U	1.0 U
	Isopropylbenzene (Cumene)	7,000[1]	50,000[1]	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	1.0 U	1.0 U
	p-Isopropyltoluene (p-Cymene)	7,000[1]	50,000[1]	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	1.0 U	1.0 U
	Methyl tert-Butyl Ether (MTBE)	50,000	50,000	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U
	Methylene Chloride	10,000	50,000	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	1.0 U	1.0 U	5.0 U	5.0 U	1.0 U
	4-Methyl-2-pentanone (MIBK)	50,000	50,000	10 U	10 U	5.0 U	10 U	10 U	5.0 U	10 U	10 U	5.0 U	5.0 U	10 U	10 U	5.0 U
	Naphthalene	1,000	20,000	5.0 U	2.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U
	n-Propylbenzene	7,000[1]	50,000[1]	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	1.0 U	1.0 U
	Styrene	100	6,000	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	1.0 U	1.0 U
	1,1,1,2-Tetrachloroethane	10	50,000	1.0 U	5.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U
	1,1,2,2-Tetrachloroethane	9	50,000	0.50 U	0.50 U	2.0 U	0.50 U	0.50 U	2.0 U	0.50 U	0.50 U	2.0 U	2.0 U	0.50 U	0.50 U	2.0 U

Table 1
Summary of Analytical Results for Aqueous Seep Samples -- December 2009 and January 2010
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		BRM-S-1			BRM-S-2			BRM-S-3				FIP-S-1		
		Sample Date:		12/2/2009	1/7/2010	1/30/2010	12/2/2009	1/7/2010	1/30/2010	12/2/2009	1/7/2010	1/30/2010	1/30/2010	12/2/2009	1/7/2010	1/30/2010
		GW-2	GW-3										Field Dup			
	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	1.0 U	1.0 U
	Tetrahydrofuran	NS	NS	10 U	10 U	5.0 U	10 U	10 U	5.0 U	10 U	10 U	5.0 U	5.0 U	10 U	10 U	5.0 U
	Toluene	50,000	40,000	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	1.0 U	1.0 U
	1,2,3-Trichlorobenzene	NS	NS	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	2.0 U	2.0 U	5.0 U	5.0 U	2.0 U
	1,2,4-Trichlorobenzene	2,000	50,000	5.0 U	1.0 U	2.0 U	5.0 U	1.0 U	2.0 U	5.0 U	1.0 U	2.0 U	2.0 U	5.0 U	1.0 U	2.0 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	1.0 U	1.0 U
	1,1,2-Trichloroethane	900	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	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	1.0 U	1.0 U	**6.0**	**1.2**	**1.3**	1.0 U	1.0 U	1.0 U
	Trichlorofluoromethane (Freon 11)	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,3-Trichloropropane	NS	NS	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U
	1,2,4-Trimethylbenzene	7,000(1)	50,000(1)	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	1.0 U	1.0 U
	1,3,5-Trimethylbenzene	7,000(1)	50,000(1)	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	1.0 U	1.0 U
	Vinyl Chloride	2	50,000	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	**2.1**	**34**	**1.4**	**1.3**	2.0 U	2.0 U	**1.3**
	m+p Xylene	9,000	5,000	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	2.0 U	2.0 U	2.0 U	2.0 U
	o-Xylene	9,000	5,000	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U
EPH																
(ug/L)	C9-C18 Aliphatics	5,000	50,000	150 U	NA	NA	150 U	NA	NA	150 U	NA	NA	NA	150 U	NA	NA
	C19-C36 Aliphatics	NS	50,000	**190**	NA	NA	150 U	NA	NA	150 U	NA	NA	NA	150 U	NA	NA
	C11-C22 Aromatics	50,000	5,000	100 U	NA	NA	100 U	NA	NA	100 U	NA	NA	NA	100 U	NA	NA
	Acenaphthene	NS	6,000	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Acenaphthylene	10,000	40	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Anthracene	NS	30	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Benzo(a)anthracene	NS	1,000	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Benzo(a)pyrene	NS	500	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Benzo(b)fluoranthene	NS	400	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Benzo(g,h,i)perylene	NS	20	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Benzo(k)fluoranthene	NS	100	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Chrysene	NS	70	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Dibenz(a,h)anthracene	NS	40	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Fluoranthene	NS	200	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Fluorene	NS	40	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Indeno(1,2,3-cd)pyrene	NS	100	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	2-Methylnaphthalene	2,000	20,000	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Naphthalene	1,000	20,000	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Phenanthrene	NS	10,000	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
	Pyrene	NS	20	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	2.0 U	NA	NA
PAHs																
(ug/L)	Acenaphthene	NS	6,000	0.30 U	NA	NA	0.30 U	NA	NA	0.30 U	NA	NA	NA	0.30 U	NA	NA
	Acenaphthylene	10,000	40	0.30 U	NA	NA	0.30 U	NA	NA	0.30 U	NA	NA	NA	0.30 U	NA	NA
	Anthracene	NS	30	0.20 U	NA	NA	0.20 U	NA	NA	0.20 U	NA	NA	NA	0.20 U	NA	NA
	Benzo(a)anthracene	NS	1,000	0.050 U	NA	NA	0.050 U	NA	NA	0.050 U	NA	NA	NA	0.050 U	NA	NA
	Benzo(a)pyrene	NS	500	0.10 U	NA	NA	0.10 U	NA	NA	0.10 U	NA	NA	NA	0.10 U	NA	NA
	Benzo(b)fluoranthene	NS	400	0.050 U	NA	NA	0.050 U	NA	NA	0.050 U	NA	NA	NA	0.050 U	NA	NA
	Benzo(g,h,i)perylene	NS	20	0.50 U	NA	NA	0.50 U	NA	NA	0.50 U	NA	NA	NA	0.50 U	NA	NA
	Benzo(k)fluoranthene	NS	100	0.20 U	NA	NA	0.20 U	NA	NA	0.20 U	NA	NA	NA	0.20 U	NA	NA
	Chrysene	NS	70	0.20 U	NA	NA	0.20 U	NA	NA	0.20 U	NA	NA	NA	0.20 U	NA	NA
	Dibenz(a,h)anthracene	NS	40	0.20 U	NA	NA	0.20 U	NA	NA	0.20 U	NA	NA	NA	0.20 U	NA	NA
	Fluoranthene	NS	200	0.50 U	NA	NA	0.50 U	NA	NA	0.50 U	NA	NA	NA	0.50 U	NA	NA
	Fluorene	NS	40	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U	NA	NA	NA	1.0 U	NA	NA
	Indeno(1,2,3-cd)pyrene	NS	100	0.20 U	NA	NA	0.20 U	NA	NA	0.20 U	NA	NA	NA	0.20 U	NA	NA
	2-Methylnaphthalene	2,000	20,000	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U	NA	NA	NA	1.0 U	NA	NA
	Naphthalene	1,000	20,000	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U	NA	NA	NA	1.0 U	NA	NA
	Phenanthrene	NS	10,000	0.050 U	NA	NA	0.050 U	NA	NA	0.050 U	NA	NA	NA	0.050 U	NA	NA
	Pyrene	NS	20	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U	NA	NA	NA	1.0 U	NA	NA
PCBs																
(ug/L)	Aroclor 1016	5	10	0.0500 U	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	0.0500 U	NA	NA

Table 1
Summary of Analytical Results for Aqueous Seep Samples -- December 2009 and January 2010
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	BRM-S-1			BRM-S-2			BRM-S-3				FIP-S-1		
			Sample Date:	12/2/2009	1/7/2010	1/30/2010	12/2/2009	1/7/2010	1/30/2010	12/2/2009	1/7/2010	1/30/2010	1/30/2010	12/2/2009	1/7/2010	1/30/2010
		GW-2	GW-3										Field Dup			
	Aroclor 1221	5	10	0.0500 U	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	0.0500 U	NA	NA
	Aroclor 1232	5	10	0.0500 U	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	0.0500 U	NA	NA
	Aroclor 1242	5	10	0.0500 U	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	0.0500 U	NA	NA
	Aroclor 1248	5	10	0.0500 U	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	0.0500 U	NA	NA
	Aroclor 1254	5	10	0.0500 U	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	0.0500 U	NA	NA
	Aroclor 1260	5	10	0.0500 U	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	0.0500 U	NA	NA
	Total PCB Amount	5	10	0.0500 U	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	0.0500 U	NA	NA
Metals, total																
(ug/L)	Antimony	NS	8,000	40 U	NA	NA	40 U	NA	NA	40 U	NA	NA	NA	40 U	NA	NA
	Arsenic	NS	900	**9.2**	NA	NA	**11**	NA	NA	**10**	NA	NA	NA	**5.8**	NA	NA
	Barium	NS	50,000	**98**	NA	NA	**76**	NA	NA	**140**	NA	NA	NA	50 U	NA	NA
	Beryllium	NS	200	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	NA	2.5 U	NA	NA
	Cadmium	NS	4	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	NA	2.5 U	NA	NA
	Chromium	NS	300	5.0 U	NA	NA	5.0 U	NA	NA	5.0 U	NA	NA	NA	5.0 U	NA	NA
	Lead	NS	10	7.5 U	NA	NA	7.5 U	NA	NA	**220**	NA	NA	NA	7.5 U	NA	NA
	Mercury	NS	20	0.10 U	NA	NA	0.10 U	NA	NA	0.10 U	NA	NA	NA	0.10 U	NA	NA
	Nickel	NS	200	5.0 U	NA	NA	5.0 U	NA	NA	5.0 U	NA	NA	NA	5.0 U	NA	NA
	Selenium	NS	100	25 U	NA	NA	25 U	NA	NA	25 U	NA	NA	NA	25 U	NA	NA
	Silver	NS	7	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	NA	2.5 U	NA	NA
	Thallium	NS	3,000	30 U	NA	NA	30 U	NA	NA	30 U	NA	NA	NA	30 U	NA	NA
	Vanadium	NS	4,000	25 U	NA	NA	25 U	NA	NA	25 U	NA	NA	NA	25 U	NA	NA
	Zinc	NS	900	**260**	NA	NA	**51**	NA	NA	**150**	NA	NA	NA	**21**	NA	NA
Metals, dissolved																
(ug/L)	Antimony	NS	8,000	40 U	NA	NA	40 U	NA	NA	40 U	NA	NA	NA	40 U	NA	NA
	Arsenic	NS	900	**6.5**	NA	NA	**8.9**	NA	NA	**8.4**	NA	NA	NA	**6.0**	NA	NA
	Barium	NS	50,000	**79**	NA	NA	**73**	NA	NA	**67**	NA	NA	NA	50 U	NA	NA
	Beryllium	NS	200	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	NA	2.5 U	NA	NA
	Cadmium	NS	4	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	NA	2.5 U	NA	NA
	Chromium	NS	300	5.0 U	NA	NA	5.0 U	NA	NA	5.0 U	NA	NA	NA	5.0 U	NA	NA
	Lead	NS	10	7.5 U	NA	NA	7.5 U	NA	NA	7.5 U	NA	NA	NA	7.5 U	NA	NA
	Mercury	NS	20	0.10 U	NA	NA	0.10 U	NA	NA	0.10 U	NA	NA	NA	0.10 U	NA	NA
	Nickel	NS	200	5.0 U	NA	NA	5.0 U	NA	NA	5.0 U	NA	NA	NA	5.0 U	NA	NA
	Selenium	NS	100	25 U	NA	NA	25 U	NA	NA	25 U	NA	NA	NA	25 U	NA	NA
	Silver	NS	7	2.5 U	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	NA	2.5 U	NA	NA
	Thallium	NS	3,000	30 U	NA	NA	30 U	NA	NA	30 U	NA	NA	NA	30 U	NA	NA
	Vanadium	NS	4,000	25 U	NA	NA	25 U	NA	NA	25 U	NA	NA	NA	25 U	NA	NA
	Zinc	NS	900	**160**	NA	NA	**43**	NA	NA	**48**	NA	NA	NA	**25**	NA	NA

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

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-4						MW-5								
			Sample Date:	8/19/2008	8/19/2008	1/6/2010	2/17/2010	4/9/2010	9/13/2010	8/19/2008	1/6/2010	1/6/2010	2/17/2010	4/8/2010	9/10/2010	3/8/2011	4/11/2011	4/29/2011
		GW-2	GW-3		Field Dup							Field Dup						
VOCs																		
(ug/L)	Methylene Chloride	10,000	50,000	NA	NA	5.0 U	5.0 U	5.0 U	2.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1-Dichloroethane	1,000	20,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chloroform	50	20,000	NA	NA	2.0 U	1.0 U	1.0 U	1.0 U	NA	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Carbon Tetrachloride	2	5,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichloropropane	3	50,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorodibromomethane	20	50,000	NA	NA	10 U	1.0 U	1.0 U	1.0 U	NA	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,2-Trichloroethane	900	50,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	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	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	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	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Trichlorofluoromethane (Freon 11)	NS	NS	NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2-Dichloroethane	5	20,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,1-Trichloroethane	4,000	20,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Bromodichloromethane	6	50,000	NA	NA	5.0 U	1.0 U	1.0 U	1.0 U	NA	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,3-Dichloropropene	10[2]	200[2]	NA	NA	5.0 U	0.50 U	0.50 U	0.50 U	NA	5.0 U	5.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
	cis-1,3-Dichloropropene	10[2]	200[2]	NA	NA	5.0 U	0.50 U	0.50 U	0.50 U	NA	5.0 U	5.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
	1,1-Dichloropropene	NS	NS	NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Bromoform	700	50,000	NA	NA	10 U	2.0 U	2.0 U	2.0 U	NA	10 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1,2,2-Tetrachloroethane	9	50,000	NA	NA	0.50 U	1.0 U	1.0 U	1.0 U	NA	0.50 U	0.50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Benzene	2,000	10,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Toluene	50,000	40,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Ethylbenzene	20,000	5,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chloromethane	NS	NS	NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Bromomethane	7	800	NA	NA	2.0 U	5.0 U	5.0 U	2.0 U	NA	2.0 U	2.0 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Vinyl Chloride	2	50,000	NA	NA	2.0 U	1.0 U	1.0 U	1.0 U	NA	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chloroethane	NS	NS	NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1-Dichloroethylene	80	30,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-Dichloroethylene	90	50,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Trichloroethylene	30	5,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**2.8**	**2.1**	**4.4**
	1,2-Dichlorobenzene	2,000	2,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,3-Dichlorobenzene	2,000	50,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,4-Dichlorobenzene	200	8,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Methyl tert-Butyl Ether (MTBE)	50,000	50,000	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	m+p Xylene	9,000	5,000	NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	o-Xylene	9,000	5,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-Dichloroethylene	100	50,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	**3.7**	**4.1**	**5.9**	**3.2**	**7.1**	**3.8**	**4.0**	**5.1**
	Dibromomethane	NS	NS	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,3-Trichloropropane	NS	NS	NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Styrene	100	6,000	NA	NA	1.0 U	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Acetone	50,000	50,000	NA	NA	50 U	5.0 U	5.0 U	5.0 U	NA	50 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Carbon Disulfide	NS	NS	NA	NA	5.0 U	2.0 U	2.0 U	2.0 U	NA	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	2-Butanone (MEK)	50,000	50,000	NA	NA	20 U	5.0 U	5.0 U	5.0 U	NA	20 U	20 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	4-Methyl-2-pentanone (MIBK)	50,000	50,000	NA	NA	10 U	5.0 U	5.0 U	5.0 U	NA	10 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	2-Hexanone (MBK)	NS	NS	NA	NA	10 U	5.0 U	5.0 U	5.0 U	NA	10 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Bromochloromethane	NS	NS	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Tetrahydrofuran	NS	NS	NA	NA	10 U	10 U	10 U	10 U	NA	10 U	10 U	10 U	10 U	10 U	5.0 U	5.0 U	5.0 U
	2,2-Dichloropropane	NS	NS	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2-Dibromoethane (EDB)	2	50,000	NA	NA	0.50 U	2.0 U	2.0 U	2.0 U	NA	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,3-Dichloropropane	NS	NS	NA	NA	0.50 U	2.0 U	2.0 U	2.0 U	NA	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1,1,2-Tetrachloroethane	10	50,000	NA	NA	5.0 U	1.0 U	1.0 U	1.0 U	NA	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Bromobenzene	NS	NS	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	n-Butylbenzene	7,000[1]	50,000[1]	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	sec-Butylbenzene	7,000[1]	50,000[1]	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	tert-Butylbenzene	7,000[1]	50,000[1]	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	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-Chlorotoluene	NS	NS	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-4						MW-5								
			Sample Date:	8/19/2008	8/19/2008	1/6/2010	2/17/2010	4/9/2010	9/13/2010	8/19/2008	1/6/2010	1/6/2010	2/17/2010	4/8/2010	9/10/2010	3/8/2011	4/11/2011	4/29/2011
		GW-2	GW-3		Field Dup							Field Dup						
	4-Chlorotoluene	NS	NS	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NA	NA	10 U	5.0 U	5.0 U	2.0 U	NA	10 U	10 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Hexachlorobutadiene	1	3,000	NA	NA	1.0 U	0.60 U	0.60 U	0.60 U	NA	1.0 U	1.0 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
	Isopropylbenzene (Cumene)	7,000(1)	50,000(1)	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	p-Isopropyltoluene (p-Cymene)	7,000(1)	50,000(1)	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Naphthalene	1,000	20,000	NA	NA	2.0 U	5.0 U	5.0 U	2.0 U	NA	2.0 U	2.0 U	5.0 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U
	n-Propylbenzene	7,000(1)	50,000(1)	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,3-Trichlorobenzene	NS	NS	NA	NA	5.0 U	2.0 U	2.0 U	2.0 U	NA	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,4-Trichlorobenzene	2,000	50,000	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,3,5-Trimethylbenzene	7,000(1)	50,000(1)	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,4-Trimethylbenzene	7,000(1)	50,000(1)	NA	NA	1.0 U	2.0 U	2.0 U	2.0 U	NA	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Diethyl Ether	NS	NS	NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Diisopropyl Ether (DIPE)	NS	NS	NA	NA	0.50 U	2.0 U	2.0 U	2.0 U	NA	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	NA	NA	0.50 U	2.0 U	2.0 U	2.0 U	NA	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	NA	NA	0.50 U	2.0 U	2.0 U	2.0 U	NA	0.50 U	0.50 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,4-Dioxane	6,000	50,000	NA	NA	50 U	250 U	250 U	250 U	NA	50 U	50 U	250 U	250 U	250 U	250 U	250 U	250 U
PAHs																		
(ug/L)	Acenaphthene	NS	6,000	0.30 U	0.30 U	NA	NA	NA	NA	0.30 U	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10,000	40	0.30 U	0.30 U	NA	NA	NA	NA	0.30 U	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	NS	30	0.20 U	0.20 U	NA	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	NS	1,000	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	NS	500	0.10 U	0.10 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	NS	400	0.05 U	0.05 U	NA	NA	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	NS	20	0.50 U	0.50 U	NA	NA	NA	NA	0.50 U	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	NS	100	0.20 U	0.20 U	NA	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	NS	70	0.20 U	0.20 U	NA	NA	NA	NA	0.20 U	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	NS	40	0.50 U	0.50 U	NA	NA	NA	NA	0.50 U	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	NS	200	0.50 U	0.50 U	NA	NA	NA	NA	0.50 U	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	NS	40	1.0 U	1.0 U	NA	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	NS	100	0.50 U	0.50 U	NA	NA	NA	NA	0.50 U	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	2,000	20,000	1.0 U	1.0 U	NA	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	1,000	20,000	1.0 U	1.0 U	NA	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	NS	10,000	0.05 U	0.05 U	NA	NA	NA	NA	**0.18**	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	NS	20	1.0 U	1.0 U	NA	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																		
(ug/L)	Aroclor 1016	5	10	0.0500 U	0.0500 U	NA	NA	NA	NA	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1221	5	10	0.0500 U	0.0500 U	NA	NA	NA	NA	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1232	5	10	0.0500 U	0.0500 U	NA	NA	NA	NA	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1242	5	10	0.0500 U	0.0500 U	NA	NA	NA	NA	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1248	5	10	0.0500 U	0.0500 U	NA	NA	NA	NA	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1254	5	10	0.0500 U	0.0500 U	NA	NA	NA	NA	**0.0731 J**	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1260	5	10	0.0500 U	0.0500 U	NA	NA	NA	NA	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	5	10	0.0500 U	0.0500 U	NA	NA	NA	NA	**0.0731 J**	NA	NA	NA	NA	NA	NA	NA	NA
Metals, total																		
(ug/L)	Antimony	NS	8,000	3.0 U	3.0 U	NA	NA	NA	NA	3.0 U	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	NS	900	**7.0**	5.0 U	NA	NA	NA	NA	**15.0**	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	50,000	50 U	50 U	NA	NA	NA	NA	**122**	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	NS	200	2.0 U	2.0 U	NA	NA	NA	NA	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	4	2.5 U	2.5 U	NA	NA	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	300	5.0 U	5.0 U	NA	NA	NA	NA	**52.0**	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	10	7.5 U	7.5 U	NA	NA	NA	NA	**19.2**	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	20	0.10 U	0.10 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	NS	200	5.0 U	5.0 U	NA	NA	NA	NA	**20.0**	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	100	30 U	30 U	NA	NA	NA	NA	30 U	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	7	3.0 U	3.0 U	NA	NA	NA	NA	**5.0**	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	NS	3,000	1.0 U	1.0 U	NA	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		MW-4						MW-5								
		Sample Date:		8/19/2008	8/19/2008	1/6/2010	2/17/2010	4/9/2010	9/13/2010	8/19/2008	1/6/2010	1/6/2010	2/17/2010	4/8/2010	9/10/2010	3/8/2011	4/11/2011	4/29/2011
		GW-2	GW-3		Field Dup							Field Dup						
	Vanadium	NS	4,000	25 U	25 U	NA	NA	NA	NA	25 U	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NS	900	**12.0**	**16.0**	NA	NA	NA	NA	**68.0**	NA	NA	NA	NA	NA	NA	NA	NA
Metals, dissolved																		
(ug/L)	Antimony	NS	8,000	3.0 U	3.0 U	NA	NA	NA	NA	3.0 U	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	NS	900	10 U	10 U	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	50,000	50 U	50 U	NA	NA	NA	NA	**64.9**	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	NS	200	2.0 U	2.0 U	NA	NA	NA	NA	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	4	2.5 U	2.5 U	NA	NA	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	300	5.0 U	5.0 U	NA	NA	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	10	8.0 U	8.0 U	NA	NA	NA	NA	8.0 U	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	20	0.10 U	0.10 U	NA	NA	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	NS	200	5.0 U	5.0 U	NA	NA	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	100	30 U	30 U	NA	NA	NA	NA	30 U	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	7	2.5 U	2.5 U	NA	NA	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	NS	3,000	1.0 U	1.0 U	NA	NA	NA	NA	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	NS	4,000	50 U	50 U	NA	NA	NA	NA	50 U	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NS	900	**11**	**119**	NA	NA	NA	NA	**10**	NA	NA	NA	NA	NA	NA	NA	NA
General Chemistry																		
(ug/L)	Nitrogen, Nitrate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	NA	NA	NA
	Sulfate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10,000 U	NA	NA	NA
	Total Organic Carbon	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6,800**	NA	NA	NA

Notes:

ug/L - micrograms per liter.

J - Estimated value.

NA - Sample not analyzed for the listed analyte.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

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.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

(1) - MassDEP Method 1 standards for C9-C10 aromatic hydrocarbons used.

(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-5D			MW-6			MW-7							MW-7D		MW-8A
			Sample Date:	9/10/2010	4/8/2011	4/28/2011	8/19/2008	1/7/2010	2/18/2010	9/16/2008	1/7/2010	2/17/2010	2/17/2010 Field Dup	4/7/2010	9/9/2010	10/22/2010	9/9/2010	9/9/2010 Field Dup	2/18/2010
		GW-2	GW-3																
VOCs																			
(ug/L)	Methylene Chloride	10,000	50,000	2.0 U	2.0 U	2.0 U	NA	5.0 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U
	1,1-Dichloroethane	1,000	20,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**3.9**	**2.9**	1.0 U
	Chloroform	50	20,000	1.0 U	1.0 U	1.0 U	NA	2.0 U	1.0 U	NA	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
	Carbon Tetrachloride	2	5,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	1,2-Dichloropropane	3	50,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	Chlorodibromomethane	20	50,000	1.0 U	1.0 U	1.0 U	NA	10 U	1.0 U	NA	10 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
	1,1,2-Trichloroethane	900	50,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	Tetrachloroethylene	50	30,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	**63**	**60**	**64**	**64**	**25**	**26**	**1.3**	1.0 U	1.0 U
	Chlorobenzene	200	1,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	Trichlorofluoromethane (Freon 11)	NS	NS	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	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
	1,2-Dichloroethane	5	20,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	1,1,1-Trichloroethane	4,000	20,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**3.9**	**2.7**	1.0 U
	Bromodichloromethane	6	50,000	1.0 U	1.0 U	1.0 U	NA	5.0 U	1.0 U	NA	5.0 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
	trans-1,3-Dichloropropene	10[2]	200[2]	0.50 U	0.50 U	0.50 U	NA	5.0 U	0.50 U	NA	5.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
	cis-1,3-Dichloropropene	10[2]	200[2]	0.50 U	0.50 U	0.50 U	NA	5.0 U	0.50 U	NA	5.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
	1,1-Dichloropropene	NS	NS	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	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
	Bromoform	700	50,000	2.0 U	2.0 U	2.0 U	NA	10 U	2.0 U	NA	10 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
	1,1,2,2-Tetrachloroethane	9	50,000	1.0 U	1.0 U	1.0 U	NA	0.50 U	1.0 U	NA	0.50 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
	Benzene	2,000	10,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	Toluene	50,000	40,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	Ethylbenzene	20,000	5,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	Chloromethane	NS	NS	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	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
	Bromomethane	7	800	2.0 U	2.0 U	2.0 U	NA	2.0 U	5.0 U	NA	2.0 U	5.0 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U
	Vinyl Chloride	2	50,000	1.0 U	1.0 U	1.0 U	NA	2.0 U	1.0 U	NA	**3.4**	**9.2**	**9.9**	**1.6**	**1.4**	**3.7**	1.0 U	1.0 U	1.0 U
	Chloroethane	NS	NS	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	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
	1,1-Dichloroethylene	80	30,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	trans-1,2-Dichloroethylene	90	50,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	Trichloroethylene	30	5,000	**1.1**	**3.4**	**3.5**	NA	1.0 U	1.0 U	NA	**6.8**	**5.8**	**6.5**	**4.5**	**14**	1.0 U	**13**	**10**	1.0 U
	1,2-Dichlorobenzene	2,000	2,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	1,3-Dichlorobenzene	2,000	50,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	1,4-Dichlorobenzene	200	8,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	Methyl tert-Butyl Ether (MTBE)	50,000	50,000	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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
	m+p Xylene	9,000	5,000	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	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
	o-Xylene	9,000	5,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	cis-1,2-Dichloroethylene	100	50,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	**20**	**30**	**30**	**9.6**	**47**	**49**	**2.2**	**1.8**	1.0 U
	Dibromomethane	NS	NS	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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
	1,2,3-Trichloropropane	NS	NS	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	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
	Styrene	100	6,000	1.0 U	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	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
	Dichlorodifluoromethane (Freon 12)	NS	NS	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	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
	Acetone	50,000	50,000	5.0 U	5.0 U	5.0 U	NA	50 U	5.0 U	NA	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Carbon Disulfide	NS	NS	2.0 U	2.0 U	2.0 U	NA	5.0 U	2.0 U	NA	5.0 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-Butanone (MEK)	50,000	50,000	5.0 U	5.0 U	5.0 U	NA	20 U	5.0 U	NA	20 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	4-Methyl-2-pentanone (MIBK)	50,000	50,000	5.0 U	5.0 U	5.0 U	NA	10 U	5.0 U	NA	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	2-Hexanone (MBK)	NS	NS	5.0 U	5.0 U	5.0 U	NA	10 U	5.0 U	NA	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Bromochloromethane	NS	NS	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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
	Tetrahydrofuran	NS	NS	10 U	5.0 U	5.0 U	NA	10 U	10 U	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	2,2-Dichloropropane	NS	NS	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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
	1,2-Dibromoethane (EDB)	2	50,000	2.0 U	2.0 U	2.0 U	NA	0.50 U	2.0 U	NA	0.50 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
	1,3-Dichloropropane	NS	NS	2.0 U	2.0 U	2.0 U	NA	0.50 U	2.0 U	NA	0.50 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
	1,1,1,2-Tetrachloroethane	10	50,000	1.0 U	1.0 U	1.0 U	NA	5.0 U	1.0 U	NA	5.0 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
	Bromobenzene	NS	NS	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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
	n-Butylbenzene	7,000[1]	50,000[1]	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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
	sec-Butylbenzene	7,000[1]	50,000[1]	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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
	tert-Butylbenzene	7,000[1]	50,000[1]	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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-Chlorotoluene	NS	NS	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-5D			MW-6			MW-7							MW-7D		MW-8A
			Sample Date:	9/10/2010	4/8/2011	4/28/2011	8/19/2008	1/7/2010	2/18/2010	9/16/2008	1/7/2010	2/17/2010	2/17/2010	4/7/2010	9/9/2010	10/22/2010	9/9/2010	9/9/2010	2/18/2010
		GW-2	GW-3										Field Dup					Field Dup	
	4-Chlorotoluene	NS	NS	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	2.0 U	2.0 U	2.0 U	NA	10 U	5.0 U	NA	10 U	5.0 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U
	Hexachlorobutadiene	1	3,000	0.60 U	0.60 U	0.60 U	NA	1.0 U	0.60 U	NA	1.0 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
	Isopropylbenzene (Cumene)	7,000(1)	50,000(1)	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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
	p-Isopropyltoluene (p-Cymene)	7,000(1)	50,000(1)	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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
	Naphthalene	1,000	20,000	5.0 U	2.0 U	2.0 U	NA	2.0 U	5.0 U	NA	2.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	5.0 U
	n-Propylbenzene	7,000(1)	50,000(1)	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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
	1,2,3-Trichlorobenzene	NS	NS	2.0 U	2.0 U	2.0 U	NA	5.0 U	2.0 U	NA	5.0 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
	1,2,4-Trichlorobenzene	2,000	50,000	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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
	1,3,5-Trimethylbenzene	7,000(1)	50,000(1)	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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
	1,2,4-Trimethylbenzene	7,000(1)	50,000(1)	2.0 U	2.0 U	2.0 U	NA	1.0 U	2.0 U	NA	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
	Diethyl Ether	NS	NS	2.0 U	2.0 U	2.0 U	NA	2.0 U	2.0 U	NA	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
	Diisopropyl Ether (DIPE)	NS	NS	2.0 U	2.0 U	2.0 U	NA	0.50 U	2.0 U	NA	0.50 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
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	2.0 U	2.0 U	2.0 U	NA	0.50 U	2.0 U	NA	0.50 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
	tert-Amyl Methyl Ether (TAME)	NS	NS	2.0 U	2.0 U	2.0 U	NA	0.50 U	2.0 U	NA	0.50 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
	1,4-Dioxane	6,000	50,000	250 U	250 U	250 U	NA	50 U	250 U	NA	50 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U
PAHs																			
(ug/L)	Acenaphthene	NS	6,000	NA	NA	NA	0.30 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10,000	40	NA	NA	NA	0.30 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	NS	30	NA	NA	NA	0.20 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	NS	1,000	NA	NA	NA	0.05 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	NS	500	NA	NA	NA	0.10 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	NS	400	NA	NA	NA	0.05 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	NS	20	NA	NA	NA	0.50 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	NS	100	NA	NA	NA	0.20 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	NS	70	NA	NA	NA	0.20 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	NS	40	NA	NA	NA	0.50 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	NS	200	NA	NA	NA	0.50 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	NS	40	NA	NA	NA	1.0 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	NS	100	NA	NA	NA	0.50 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	2,000	20,000	NA	NA	NA	1.0 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	1,000	20,000	NA	NA	NA	1.0 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	NS	10,000	NA	NA	NA	**0.09**	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	NS	20	NA	NA	NA	1.0 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																			
(ug/L)	Aroclor 1016	5	10	NA	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1221	5	10	NA	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1232	5	10	NA	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1242	5	10	NA	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1248	5	10	NA	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1254	5	10	NA	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1260	5	10	NA	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	5	10	NA	NA	NA	0.0500 U	NA	NA	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, total																			
(ug/L)	Antimony	NS	8,000	NA	NA	NA	3.0 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	NS	900	NA	NA	NA	**13.0**	NA	NA	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	50,000	NA	NA	NA	50 U	NA	NA	**254**	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	NS	200	NA	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	4	NA	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	300	NA	NA	NA	5.0 U	NA	NA	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	10	NA	NA	NA	7.5 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	20	NA	NA	NA	0.10 U	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	NS	200	NA	NA	NA	5.0 U	NA	NA	**29.4**	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	100	NA	NA	NA	30 U	NA	NA	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	7	NA	NA	NA	**3.0**	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	NS	3,000	NA	NA	NA	1.0 U	NA	NA	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-5D			MW-6			MW-7							MW-7D		MW-8A
			Sample Date:	9/10/2010	4/8/2011	4/28/2011	8/19/2008	1/7/2010	2/18/2010	9/16/2008	1/7/2010	2/17/2010	2/17/2010	4/7/2010	9/9/2010	10/22/2010	9/9/2010	9/9/2010	2/18/2010
		GW-2	GW-3										Field Dup					Field Dup	
	Vanadium	NS	4,000	NA	NA	NA	25 U	NA	NA	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NS	900	NA	NA	NA	**110**	NA	NA	**894**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, dissolved																			
(ug/L)	Antimony	NS	8,000	NA	NA	NA	3.0 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	NS	900	NA	NA	NA	**10**	NA	NA	**2.41**	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	50,000	NA	NA	NA	50 U	NA	NA	250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	NS	200	NA	NA	NA	2.0 U	NA	NA	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	4	NA	NA	NA	2.5 U	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	300	NA	NA	NA	5.0 U	NA	NA	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	10	NA	NA	NA	8.0 U	NA	NA	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	20	NA	NA	NA	0.10 U	NA	NA	0.10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	NS	200	NA	NA	NA	5.0 U	NA	NA	**27.7**	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	100	NA	NA	NA	30 U	NA	NA	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	7	NA	NA	NA	**2.6**	NA	NA	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	NS	3,000	NA	NA	NA	1.0 U	NA	NA	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	NS	4,000	NA	NA	NA	50 U	NA	NA	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NS	900	NA	NA	NA	10 U	NA	NA	**870**	NA	NA	NA	NA	NA	NA	NA	NA	NA
General Chemistry																			
(ug/L)	Nitrogen, Nitrate	NS	NS	**280**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100 U	NA	100 U	100 U	NA
	Sulfate	NS	NS	**10,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**25,000**	NA	**20,000**	**20,000**	NA
	Total Organic Carbon	NS	NS	**2,900**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7,400**	NA	**6,100**	**6,100**	NA

Notes:

ug/L - micrograms per liter.

J - Estimated value.

NA - Sample not analyzed for the listed analyte.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

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.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

(1) - MassDEP Method 1 standards for C9-C10 aromatic hydrocarbons used.

(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-8B	MW-11			MW-12	MW-13	MW-14	MW-15	MW-16		MW-17	MW-18				MW-19
			Sample Date:	9/16/2008	2/19/2010	4/7/2010	9/13/2010	2/18/2010	2/19/2010	2/19/2010	2/18/2010	2/19/2010	4/28/2011	2/18/2010	2/18/2010	4/9/2010	9/13/2010	4/28/2011	2/18/2010
		GW-2	GW-3																
VOCs																			
(ug/L)	Methylene Chloride	10,000	50,000	NA	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	5.0 U	2.0 U	2.0 U	5.0 U
	1,1-Dichloroethane	1,000	20,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Chloroform	50	20,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Carbon Tetrachloride	2	5,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichloropropane	3	50,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorodibromomethane	20	50,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,2-Trichloroethane	900	50,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Tetrachloroethylene	50	30,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorobenzene	200	1,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Trichlorofluoromethane (Freon 11)	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2-Dichloroethane	5	20,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,1-Trichloroethane	4,000	20,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Bromodichloromethane	6	50,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,3-Dichloropropene	10[2]	200[2]	NA	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
	cis-1,3-Dichloropropene	10[2]	200[2]	NA	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
	1,1-Dichloropropene	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Bromoform	700	50,000	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1,2,2-Tetrachloroethane	9	50,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Benzene	2,000	10,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Toluene	50,000	40,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Ethylbenzene	20,000	5,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Chloromethane	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Bromomethane	7	800	NA	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	5.0 U	2.0 U	2.0 U	5.0 U
	Vinyl Chloride	2	50,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Chloroethane	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1-Dichloroethylene	80	30,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-Dichloroethylene	90	50,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Trichloroethylene	30	5,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichlorobenzene	2,000	2,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	1,3-Dichlorobenzene	2,000	50,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	1,4-Dichlorobenzene	200	8,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Methyl tert-Butyl Ether (MTBE)	50,000	50,000	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	m+p Xylene	9,000	5,000	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	o-Xylene	9,000	5,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-Dichloroethylene	100	50,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Dibromomethane	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,3-Trichloropropane	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Styrene	100	6,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Acetone	50,000	50,000	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Carbon Disulfide	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	2-Butanone (MEK)	50,000	50,000	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	4-Methyl-2-pentanone (MIBK)	50,000	50,000	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	2-Hexanone (MBK)	NS	NS	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Bromochloromethane	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Tetrahydrofuran	NS	NS	NA	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	5.0 U	10 U	10 U	10 U	10 U	5.0 U	10 U
	2,2-Dichloropropane	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2-Dibromoethane (EDB)	2	50,000	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,3-Dichloropropane	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1,1,2-Tetrachloroethane	10	50,000	NA	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	1.0 U	1.0 U	1.0 U	1.0 U
	Bromobenzene	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	n-Butylbenzene	7,000[1]	50,000[1]	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	sec-Butylbenzene	7,000[1]	50,000[1]	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	tert-Butylbenzene	7,000[1]	50,000[1]	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	2-Chlorotoluene	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

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Analysis	Analyte		Sample ID:	MW-8B	MW-11			MW-12	MW-13	MW-14	MW-15	MW-16		MW-17	MW-18				MW-19
			Sample Date:	9/16/2008	2/19/2010	4/7/2010	9/13/2010	2/18/2010	2/19/2010	2/19/2010	2/18/2010	2/19/2010	4/28/2011	2/18/2010	2/18/2010	4/9/2010	9/13/2010	4/28/2011	2/18/2010
		GW-2	GW-3																
	4-Chlorotoluene	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NA	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	5.0 U	2.0 U	2.0 U	5.0 U
	Hexachlorobutadiene	1	3,000	NA	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
	Isopropylbenzene (Cumene)	7,000[1]	50,000[1]	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	p-Isopropyltoluene (p-Cymene)	7,000[1]	50,000[1]	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Naphthalene	1,000	20,000	NA	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	5.0 U	2.0 U	2.0 U	5.0 U
	n-Propylbenzene	7,000[1]	50,000[1]	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,3-Trichlorobenzene	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,4-Trichlorobenzene	2,000	50,000	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,3,5-Trimethylbenzene	7,000[1]	50,000[1]	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,4-Trimethylbenzene	7,000[1]	50,000[1]	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Diethyl Ether	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Diisopropyl Ether (DIPE)	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	NA	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,4-Dioxane	6,000	50,000	NA	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U
PAHs																			
(ug/L)	Acenaphthene	NS	6,000	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10,000	40	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	NS	30	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	NS	1,000	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	NS	500	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	NS	400	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	NS	20	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	NS	100	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	NS	70	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	NS	40	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	NS	200	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	NS	40	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	NS	100	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	2,000	20,000	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	1,000	20,000	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	NS	10,000	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	NS	20	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																			
(ug/L)	Aroclor 1016	5	10	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1221	5	10	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1232	5	10	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1242	5	10	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1248	5	10	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1254	5	10	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1260	5	10	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	5	10	0.0500 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, total																			
(ug/L)	Antimony	NS	8,000	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	NS	900	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	50,000	250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	NS	200	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	4	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	300	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	10	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	20	0.10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	NS	200	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	100	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	7	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	NS	3,000	**1.29**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-8B	MW-11			MW-12	MW-13	MW-14	MW-15	MW-16		MW-17	MW-18				MW-19
			Sample Date:	9/16/2008	2/19/2010	4/7/2010	9/13/2010	2/18/2010	2/19/2010	2/19/2010	2/18/2010	2/19/2010	4/28/2011	2/18/2010	2/18/2010	4/9/2010	9/13/2010	4/28/2011	2/18/2010
		GW-2	GW-3																
	Vanadium	NS	4,000	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NS	900	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, dissolved																			
(ug/L)	Antimony	NS	8,000	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	NS	900	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	50,000	250 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	NS	200	2.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	4	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	300	50 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	10	5.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	20	0.10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	NS	200	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	100	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	7	2.5 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	NS	3,000	1.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	NS	4,000	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NS	900	100 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
General Chemistry																			
(ug/L)	Nitrogen, Nitrate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Sulfate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total Organic Carbon	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

ug/L - micrograms per liter.

J - Estimated value.

NA - Sample not analyzed for the listed analyte.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

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.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

(1) - MassDEP Method 1 standards for C9-C10 aromatic hydrocarbons used.

(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-20		MW-21		MW-22			MW-23		MW-24				MW-25	MW-26
			Sample Date:	4/8/2010	9/10/2010	4/8/2010	9/13/2010	4/8/2010	4/8/2010	9/13/2010	4/8/2010	9/13/2010	4/8/2010	9/10/2010	10/21/2010	10/21/2010	9/8/2010	9/8/2010
		GW-2	GW-3						Field Dup							Field Dup		
VOCs																		
(ug/L)	Methylene Chloride	10,000	50,000	5.0 U	2.0 U	5.0 U	2.0 U	5.0 U	5.0 U	2.0 U	5.0 U	2.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	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	1.0 U	1.0 U	1.0 U	1.0 U
	Chloroform	50	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	1.0 U	1.0 U	1.0 U	1.0 U
	Carbon Tetrachloride	2	5,000	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	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichloropropane	3	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	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorodibromomethane	20	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	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,2-Trichloroethane	900	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	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	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	1.0 U	1.0 U	1.0 U	1.0 U
	Trichlorofluoromethane (Freon 11)	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2-Dichloroethane	5	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	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	1.0 U	1.0 U	1.0 U	1.0 U
	Bromodichloromethane	6	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	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,3-Dichloropropene	10[2]	200[2]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
	cis-1,3-Dichloropropene	10[2]	200[2]	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
	1,1-Dichloropropene	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Bromoform	700	50,000	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1,2,2-Tetrachloroethane	9	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	1.0 U	1.0 U	1.0 U	1.0 U
	Benzene	2,000	10,000	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	1.0 U	1.0 U	1.0 U	1.0 U
	Toluene	50,000	40,000	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	1.0 U	1.0 U	1.0 U	1.0 U
	Ethylbenzene	20,000	5,000	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	1.0 U	1.0 U	1.0 U	1.0 U
	Chloromethane	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Bromomethane	7	800	5.0 U	2.0 U	5.0 U	2.0 U	5.0 U	5.0 U	2.0 U	5.0 U	2.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Vinyl Chloride	2	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	**4.8**	**1.5**	**1.2**	**1.2**	1.0 U	1.0 U
	Chloroethane	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1-Dichloroethylene	80	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	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	1.0 U	1.0 U	1.0 U	1.0 U
	Trichloroethylene	30	5,000	**1.5**	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	1.0 U	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	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	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	1.0 U	1.0 U	1.0 U	1.0 U
	Methyl tert-Butyl Ether (MTBE)	50,000	50,000	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	m+p Xylene	9,000	5,000	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	o-Xylene	9,000	5,000	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	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-Dichloroethylene	100	50,000	**1.5**	**1.8**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**1.8**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Dibromomethane	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,3-Trichloropropane	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Styrene	100	6,000	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	1.0 U	1.0 U	1.0 U	1.0 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Acetone	50,000	50,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Carbon Disulfide	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	2-Butanone (MEK)	50,000	50,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	4-Methyl-2-pentanone (MIBK)	50,000	50,000	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	2-Hexanone (MBK)	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Bromochloromethane	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Tetrahydrofuran	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
	2,2-Dichloropropane	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2-Dibromoethane (EDB)	2	50,000	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,3-Dichloropropane	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1,1,2-Tetrachloroethane	10	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	1.0 U	1.0 U	1.0 U	1.0 U
	Bromobenzene	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	n-Butylbenzene	7,000[1]	50,000[1]	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	sec-Butylbenzene	7,000[1]	50,000[1]	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	tert-Butylbenzene	7,000[1]	50,000[1]	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	2-Chlorotoluene	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-20		MW-21		MW-22			MW-23		MW-24				MW-25	MW-26
			Sample Date:	4/8/2010	9/10/2010	4/8/2010	9/13/2010	4/8/2010	4/8/2010	9/13/2010	4/8/2010	9/13/2010	4/8/2010	9/10/2010	10/21/2010	10/21/2010	9/8/2010	9/8/2010
		GW-2	GW-3						Field Dup							Field Dup		
	4-Chlorotoluene	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	5.0 U	2.0 U	5.0 U	2.0 U	5.0 U	5.0 U	2.0 U	5.0 U	2.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Hexachlorobutadiene	1	3,000	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
	Isopropylbenzene (Cumene)	7,000[1]	50,000[1]	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	p-Isopropyltoluene (p-Cymene)	7,000[1]	50,000[1]	2.0 U	2.0 U	2.0 U	2.0 U	**6.2**	**6.2**	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
	Naphthalene	1,000	20,000	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U	2.0 U	5.0 U	2.0 U	5.0 U	5.0 U	2.0 U	2.0 U	5.0 U	5.0 U
	n-Propylbenzene	7,000[1]	50,000[1]	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,3-Trichlorobenzene	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,4-Trichlorobenzene	2,000	50,000	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,3,5-Trimethylbenzene	7,000[1]	50,000[1]	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,4-Trimethylbenzene	7,000[1]	50,000[1]	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Diethyl Ether	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Diisopropyl Ether (DIPE)	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,4-Dioxane	6,000	50,000	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U	250 U
PAHs																		
(ug/L)	Acenaphthene	NS	6,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10,000	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	NS	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	NS	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	NS	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	NS	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	NS	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	2,000	20,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	1,000	20,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	NS	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																		
(ug/L)	Aroclor 1016	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1221	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1232	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1242	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1248	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1254	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1260	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, total																		
(ug/L)	Antimony	NS	8,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	NS	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-20		MW-21		MW-22			MW-23		MW-24				MW-25	MW-26
			Sample Date:	4/8/2010	9/10/2010	4/8/2010	9/13/2010	4/8/2010	4/8/2010	9/13/2010	4/8/2010	9/13/2010	4/8/2010	9/10/2010	10/21/2010	10/21/2010	9/8/2010	9/8/2010
		GW-2	GW-3						Field Dup							Field Dup		
	Vanadium	NS	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, dissolved																		
(ug/L)	Antimony	NS	8,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	NS	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	NS	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
General Chemistry																		
(ug/L)	Nitrogen, Nitrate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Sulfate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total Organic Carbon	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
ug/L - micrograms per liter.
J - Estimated value.
NA - Sample not analyzed for the listed analyte.
NS - No MassDEP standards exist for this compound.
U - Compound was not detected at specified quantitation limit.
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.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
(1) - MassDEP Method 1 standards for C9-C10 aromatic hydrocarbons used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-27		MW-27D						MW-27R				
			Sample Date:	9/9/2010	10/21/2010	11/18/2010	3/8/2011	3/25/2011	4/8/2011	4/29/2011	4/29/2011	3/8/2011	3/8/2011	3/25/2011	4/8/2011	4/29/2011
		GW-2	GW-3								Field Dup		Field Dup			
VOCs																
(ug/L)	Methylene Chloride	10,000	50,000	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	1,1-Dichloroethane	1,000	20,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Chloroform	50	20,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Carbon Tetrachloride	2	5,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	1,2-Dichloropropane	3	50,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Chlorodibromomethane	20	50,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	1,1,2-Trichloroethane	900	50,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Tetrachloroethylene	50	30,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Chlorobenzene	200	1,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Trichlorofluoromethane (Freon 11)	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	1,2-Dichloroethane	5	20,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	1,1,1-Trichloroethane	4,000	20,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Bromodichloromethane	6	50,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	trans-1,3-Dichloropropene	10[2]	200[2]	200 U	50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1,000 U	1,000 U	1,000 U	500 U	250 U
	cis-1,3-Dichloropropene	10[2]	200[2]	200 U	50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1,000 U	1,000 U	1,000 U	500 U	250 U
	1,1-Dichloropropene	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	Bromoform	700	50,000	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	1,1,2,2-Tetrachloroethane	9	50,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Benzene	2,000	10,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Toluene	50,000	40,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Ethylbenzene	20,000	5,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Chloromethane	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	Bromomethane	7	800	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	Vinyl Chloride	2	50,000	**550.0**	**10.3 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Chloroethane	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	1,1-Dichloroethylene	80	30,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	trans-1,2-Dichloroethylene	90	50,000	**700**	**26.5 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**2,500**	**2,500**	**2,600**	**1,900**	**1,400**
	Trichloroethylene	30	5,000	**31,000**	**4,500**	1.0 U	**1.4**	**0.71 J**	**1.7**	**3.8**	**3.8**	**210,000**	**180,000**	**410,000**	**130,000**	**38,000**
	1,2-Dichlorobenzene	2,000	2,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	1,3-Dichlorobenzene	2,000	50,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	1,4-Dichlorobenzene	200	8,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Methyl tert-Butyl Ether (MTBE)	50,000	50,000	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	m+p Xylene	9,000	5,000	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	o-Xylene	9,000	5,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	cis-1,2-Dichloroethylene	100	50,000	**4,100**	**290**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**11,000**	**12,000**	**9,500**	**7,400**	**4,600**
	Dibromomethane	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	1,2,3-Trichloropropane	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	Styrene	100	6,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	Acetone	50,000	50,000	2,000 U	500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10,000 U	10,000 U	10,000 U	5,000 U	2,500 U
	Carbon Disulfide	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	2-Butanone (MEK)	50,000	50,000	2,000 U	500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10,000 U	10,000 U	10,000 U	5,000 U	2,500 U
	4-Methyl-2-pentanone (MIBK)	50,000	50,000	2,000 U	500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10,000 U	10,000 U	10,000 U	5,000 U	2,500 U
	2-Hexanone (MBK)	NS	NS	2,000 U	500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10,000 U	10,000 U	10,000 U	5,000 U	2,500 U
	Bromochloromethane	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	Tetrahydrofuran	NS	NS	4,000 U	1,000 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10,000 U	10,000 U	10,000 U	5,000 U	2,500 U
	2,2-Dichloropropane	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	1,2-Dibromoethane (EDB)	2	50,000	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	1,3-Dichloropropane	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	1,1,1,2-Tetrachloroethane	10	50,000	400 U	100 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2,000 U	2,000 U	2,000 U	1,000 U	500 U
	Bromobenzene	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	n-Butylbenzene	7,000[1]	50,000[1]	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	sec-Butylbenzene	7,000[1]	50,000[1]	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	tert-Butylbenzene	7,000[1]	50,000[1]	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	2-Chlorotoluene	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-27		MW-27D						MW-27R				
			Sample Date:	9/9/2010	10/21/2010	11/18/2010	3/8/2011	3/25/2011	4/8/2011	4/29/2011	4/29/2011	3/8/2011	3/8/2011	3/25/2011	4/8/2011	4/29/2011
		GW-2	GW-3								Field Dup		Field Dup			
	4-Chlorotoluene	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	Hexachlorobutadiene	1	3,000	240 U	60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U	1,200 U	1,200 U	1,200 U	600 U	300 U
	Isopropylbenzene (Cumene)	7,000(1)	50,000(1)	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	p-Isopropyltoluene (p-Cymene)	7,000(1)	50,000(1)	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	Naphthalene	1,000	20,000	2,000 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	n-Propylbenzene	7,000(1)	50,000(1)	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	1,2,3-Trichlorobenzene	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	1,2,4-Trichlorobenzene	2,000	50,000	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	1,3,5-Trimethylbenzene	7,000(1)	50,000(1)	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	1,2,4-Trimethylbenzene	7,000(1)	50,000(1)	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	Diethyl Ether	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	Diisopropyl Ether (DIPE)	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	800 U	200 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4,000 U	4,000 U	4,000 U	2,000 U	1,000 U
	1,4-Dioxane	6,000	50,000	100,000 U	25,000 U	250 U	250 U	250 U	250 U	250 U	250 U	500,000 U	500,000 U	500,000 U	250,000 U	120,000 U
PAHs																
(ug/L)	Acenaphthene	NS	6,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10,000	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	NS	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	NS	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	NS	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	NS	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	NS	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	2,000	20,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	1,000	20,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	NS	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																
(ug/L)	Aroclor 1016	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1221	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1232	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1242	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1248	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1254	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1260	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, total																
(ug/L)	Antimony	NS	8,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	NS	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		MW-27		MW-27D						MW-27R				
		Sample Date:		9/9/2010	10/21/2010	11/18/2010	3/8/2011	3/25/2011	4/8/2011	4/29/2011	4/29/2011	3/8/2011	3/8/2011	3/25/2011	4/8/2011	4/29/2011
		GW-2	GW-3								Field Dup		Field Dup			
	Vanadium	NS	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, dissolved																
(ug/L)	Antimony	NS	8,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	NS	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	NS	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
General Chemistry																
(ug/L)	Nitrogen, Nitrate	NS	NS	**1,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Sulfate	NS	NS	**21,000**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total Organic Carbon	NS	NS	**8,700**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

ug/L - micrograms per liter.

J - Estimated value.

NA - Sample not analyzed for the listed analyte.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

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.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

(1) - MassDEP Method 1 standards for C9-C10 aromatic hydrocarbons used.

(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-28						MW-29	MW-30	MW-31		
			Sample Date:	9/9/2010	10/21/2010	3/8/2011	3/25/2011	4/11/2011	4/28/2011	9/10/2010	10/22/2010	10/21/2010	3/8/2011	4/11/2011
		GW-2	GW-3											
VOCs														
(ug/L)	Methylene Chloride	10,000	50,000	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1-Dichloroethane	1,000	20,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chloroform	50	20,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Carbon Tetrachloride	2	5,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichloropropane	3	50,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorodibromomethane	20	50,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,1,2-Trichloroethane	900	50,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 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	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chlorobenzene	200	1,000	**38**	**8.5**	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Trichlorofluoromethane (Freon 11)	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2-Dichloroethane	5	20,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	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	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Bromodichloromethane	6	50,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,3-Dichloropropene	10[2]	200[2]	0.50 U	0.50 U	0.50 U	1.2 U	0.50 U	2.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
	cis-1,3-Dichloropropene	10[2]	200[2]	0.50 U	0.50 U	0.50 U	1.2 U	0.50 U	2.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
	1,1-Dichloropropene	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Bromoform	700	50,000	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1,2,2-Tetrachloroethane	9	50,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Benzene	2,000	10,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Toluene	50,000	40,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Ethylbenzene	20,000	5,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chloromethane	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Bromomethane	7	800	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Vinyl Chloride	2	50,000	**9.7**	**3.8**	**10**	**22**	**23**	**7.4**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Chloroethane	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1-Dichloroethylene	80	30,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	trans-1,2-Dichloroethylene	90	50,000	**9.2**	**2.9**	**15**	**40**	**36**	**12**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Trichloroethylene	30	5,000	**11**	**5.0**	**110**	**220**	**200**	**150**	**1.2**	1.0 U	1.0 U	1.0 U	1.0 U
	1,2-Dichlorobenzene	2,000	2,000	**2.0**	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,3-Dichlorobenzene	2,000	50,000	**9.9**	**2.5**	1.0 U	**0.84 J**	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	1,4-Dichlorobenzene	200	8,000	**48**	**11**	**2.7**	**3.4**	**3.8**	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Methyl tert-Butyl Ether (MTBE)	50,000	50,000	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	m+p Xylene	9,000	5,000	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	o-Xylene	9,000	5,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	cis-1,2-Dichloroethylene	100	50,000	**25**	**11**	**70**	**180**	**170**	**56**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Dibromomethane	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,3-Trichloropropane	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Styrene	100	6,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Acetone	50,000	50,000	5.0 U	5.0 U	5.0 U	12 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Carbon Disulfide	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	2-Butanone (MEK)	50,000	50,000	5.0 U	5.0 U	5.0 U	12 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	4-Methyl-2-pentanone (MIBK)	50,000	50,000	5.0 U	5.0 U	5.0 U	12 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	2-Hexanone (MBK)	NS	NS	5.0 U	5.0 U	5.0 U	12 U	5.0 U	25 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	Bromochloromethane	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Tetrahydrofuran	NS	NS	10 U	10 U	5.0 U	12 U	5.0 U	25 U	10 U	10 U	10 U	5.0 U	5.0 U
	2,2-Dichloropropane	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2-Dibromoethane (EDB)	2	50,000	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,3-Dichloropropane	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,1,1,2-Tetrachloroethane	10	50,000	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	Bromobenzene	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	n-Butylbenzene	7,000[1]	50,000[1]	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	sec-Butylbenzene	7,000[1]	50,000[1]	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	tert-Butylbenzene	7,000[1]	50,000[1]	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	2-Chlorotoluene	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-28						MW-29	MW-30	MW-31		
			Sample Date:	9/9/2010	10/21/2010	3/8/2011	3/25/2011	4/11/2011	4/28/2011	9/10/2010	10/22/2010	10/21/2010	3/8/2011	4/11/2011
		GW-2	GW-3											
	4-Chlorotoluene	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Hexachlorobutadiene	1	3,000	0.60 U	0.60 U	0.60 U	1.5 U	0.60 U	3.0 U	0.60 U	0.60 U	0.60 U	0.60 U	0.60 U
	Isopropylbenzene (Cumene)	7,000[1]	50,000[1]	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	p-Isopropyltoluene (p-Cymene)	7,000[1]	50,000[1]	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Naphthalene	1,000	20,000	5.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	n-Propylbenzene	7,000[1]	50,000[1]	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,3-Trichlorobenzene	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,4-Trichlorobenzene	2,000	50,000	2.0 U	2.0 U	2.0 U	**1.3 J**	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,3,5-Trimethylbenzene	7,000[1]	50,000[1]	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,2,4-Trimethylbenzene	7,000[1]	50,000[1]	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Diethyl Ether	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	Diisopropyl Ether (DIPE)	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	10 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
	1,4-Dioxane	6,000	50,000	250 U	250 U	250 U	620 U	250 U	1,200 U	250 U	250 U	250 U	250 U	250 U
PAHs														
(ug/L)	Acenaphthene	NS	6,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	10,000	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	NS	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	NS	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	NS	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	NS	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	NS	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	2,000	20,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	1,000	20,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	NS	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs														
(ug/L)	Aroclor 1016	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1221	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1232	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1242	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1248	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1254	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1260	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, total														
(ug/L)	Antimony	NS	8,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	NS	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		MW-28						MW-29	MW-30	MW-31		
		Sample Date:		9/9/2010	10/21/2010	3/8/2011	3/25/2011	4/11/2011	4/28/2011	9/10/2010	10/22/2010	10/21/2010	3/8/2011	4/11/2011
		GW-2	GW-3											
	Vanadium	NS	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, dissolved														
(ug/L)	Antimony	NS	8,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Arsenic	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Barium	NS	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Beryllium	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Cadmium	NS	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chromium	NS	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Lead	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Mercury	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nickel	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Selenium	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Silver	NS	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Thallium	NS	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vanadium	NS	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
General Chemistry														
(ug/L)	Nitrogen, Nitrate	NS	NS	100 U	NA	NA	NA	NA	NA	**110**	NA	NA	NA	NA
	Sulfate	NS	NS	**13,000**	NA	NA	NA	NA	NA	10,000 U	NA	NA	NA	NA
	Total Organic Carbon	NS	NS	**5,200**	NA	NA	NA	NA	NA	**4,700**	NA	NA	NA	NA

Notes:
ug/L - micrograms per liter.
J - Estimated value.
NA - Sample not analyzed for the listed analyte.
NS - No MassDEP standards exist for this compound.
U - Compound was not detected at specified quantitation limit.
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.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
(1) - MassDEP Method 1 standards for C9-C10 aromatic hydrocarbons used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-32							MW-33			MW-HH-13			MW-HRC-33		
			Sample Date:	10/21/2010	3/8/2011	3/25/2011	3/25/2011	4/8/2011	4/8/2011	4/28/2011	10/21/2010	3/8/2011	4/12/2011	4/23/2009	4/23/2009	2/18/2010	4/23/2009	4/23/2009	2/17/2010
		GW-2	GW-3				Field Dup		Field Dup						Field Dup			Field Dup	
VOCs																			
(ug/L)	Methylene Chloride	10,000	50,000	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	5.0 U	NA	NA	5.0 U
	1,1-Dichloroethane	1,000	20,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Chloroform	50	20,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Carbon Tetrachloride	2	5,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	1,2-Dichloropropane	3	50,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Chlorodibromomethane	20	50,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	1,1,2-Trichloroethane	900	50,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Tetrachloroethylene	50	30,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Chlorobenzene	200	1,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Trichlorofluoromethane (Freon 11)	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	1,2-Dichloroethane	5	20,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	1,1,1-Trichloroethane	4,000	20,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Bromodichloromethane	6	50,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	trans-1,3-Dichloropropene	10[2]	200[2]	0.50 U	250 U	50 U	50 U	100 U	100 U	100 U	0.50 U	0.50 U	0.50 U	NA	NA	0.50 U	NA	NA	0.50 U
	cis-1,3-Dichloropropene	10[2]	200[2]	0.50 U	250 U	50 U	50 U	100 U	100 U	100 U	0.50 U	0.50 U	0.50 U	NA	NA	0.50 U	NA	NA	0.50 U
	1,1-Dichloropropene	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	Bromoform	700	50,000	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	1,1,2,2-Tetrachloroethane	9	50,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Benzene	2,000	10,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Toluene	50,000	40,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Ethylbenzene	20,000	5,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Chloromethane	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	Bromomethane	7	800	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	5.0 U	NA	NA	5.0 U
	Vinyl Chloride	2	50,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Chloroethane	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	1,1-Dichloroethylene	80	30,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	trans-1,2-Dichloroethylene	90	50,000	1.0 U	500 U	**230**	**220**	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Trichloroethylene	30	5,000	**1.1**	**17,000**	**26,000**	**26,000**	**21,000**	**21,000**	**4,700**	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	1,2-Dichlorobenzene	2,000	2,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	1,3-Dichlorobenzene	2,000	50,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	1,4-Dichlorobenzene	200	8,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Methyl tert-Butyl Ether (MTBE)	50,000	50,000	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	m+p Xylene	9,000	5,000	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	o-Xylene	9,000	5,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	cis-1,2-Dichloroethylene	100	50,000	**4.5**	**910**	**980**	**1,000**	**480**	**470**	**250**	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Dibromomethane	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	1,2,3-Trichloropropane	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	Styrene	100	6,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	Acetone	50,000	50,000	5.0 U	2,500 U	500 U	500 U	1,000 U	1,000 U	1,000 U	5.0 U	5.0 U	5.0 U	NA	NA	5.0 U	NA	NA	5.0 U
	Carbon Disulfide	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	2-Butanone (MEK)	50,000	50,000	5.0 U	2,500 U	500 U	500 U	1,000 U	1,000 U	1,000 U	5.0 U	5.0 U	5.0 U	NA	NA	5.0 U	NA	NA	5.0 U
	4-Methyl-2-pentanone (MIBK)	50,000	50,000	5.0 U	2,500 U	500 U	500 U	1,000 U	1,000 U	1,000 U	5.0 U	5.0 U	5.0 U	NA	NA	5.0 U	NA	NA	5.0 U
	2-Hexanone (MBK)	NS	NS	5.0 U	2,500 U	500 U	500 U	1,000 U	1,000 U	1,000 U	5.0 U	5.0 U	5.0 U	NA	NA	5.0 U	NA	NA	5.0 U
	Bromochloromethane	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	Tetrahydrofuran	NS	NS	10 U	2,500 U	500 U	500 U	1,000 U	1,000 U	1,000 U	10 U	5.0 U	5.0 U	NA	NA	10 U	NA	NA	10 U
	2,2-Dichloropropane	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	1,2-Dibromoethane (EDB)	2	50,000	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	1,3-Dichloropropane	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	1,1,1,2-Tetrachloroethane	10	50,000	1.0 U	500 U	100 U	100 U	200 U	200 U	200 U	1.0 U	1.0 U	1.0 U	NA	NA	1.0 U	NA	NA	1.0 U
	Bromobenzene	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	n-Butylbenzene	7,000[1]	50,000[1]	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	sec-Butylbenzene	7,000[1]	50,000[1]	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	tert-Butylbenzene	7,000[1]	50,000[1]	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	2-Chlorotoluene	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	MW-32							MW-33			MW-HH-13			MW-HRC-33		
			Sample Date:	10/21/2010	3/8/2011	3/25/2011	3/25/2011	4/8/2011	4/8/2011	4/28/2011	10/21/2010	3/8/2011	4/12/2011	4/23/2009	4/23/2009	2/18/2010	4/23/2009	4/23/2009	2/17/2010
		GW-2	GW-3				Field Dup		Field Dup						Field Dup			Field Dup	
	4-Chlorotoluene	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	5.0 U	NA	NA	5.0 U
	Hexachlorobutadiene	1	3,000	0.60 U	300 U	60 U	60 U	120 U	120 U	120 U	0.60 U	0.60 U	0.60 U	NA	NA	0.60 U	NA	NA	0.60 U
	Isopropylbenzene (Cumene)	7,000(1)	50,000(1)	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	p-Isopropyltoluene (p-Cymene)	7,000(1)	50,000(1)	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	Naphthalene	1,000	20,000	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	5.0 U	NA	NA	5.0 U
	n-Propylbenzene	7,000(1)	50,000(1)	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	1,2,3-Trichlorobenzene	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	1,2,4-Trichlorobenzene	2,000	50,000	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	1,3,5-Trimethylbenzene	7,000(1)	50,000(1)	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	1,2,4-Trimethylbenzene	7,000(1)	50,000(1)	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	Diethyl Ether	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	Diisopropyl Ether (DIPE)	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	2.0 U	1,000 U	200 U	200 U	400 U	400 U	400 U	2.0 U	2.0 U	2.0 U	NA	NA	2.0 U	NA	NA	2.0 U
	1,4-Dioxane	6,000	50,000	250 U	120,000 U	25,000 U	25,000 U	50,000 U	50,000 U	50,000 U	250 U	250 U	250 U	NA	NA	250 U	NA	NA	250 U
PAHs																			
(ug/L)	Acenaphthene	NS	6,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30 U	0.30 U	NA	0.30 U	NA	NA
	Acenaphthylene	10,000	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.30 U	0.30 U	NA	0.30 U	NA	NA
	Anthracene	NS	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	NA	0.20 U	NA	NA
	Benzo(a)anthracene	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.05 U	0.05 U	NA	0.05 U	NA	NA
	Benzo(a)pyrene	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 U	0.10 U	NA	0.10 U	NA	NA
	Benzo(b)fluoranthene	NS	400	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.05 U	0.05 U	NA	0.05 U	NA	NA
	Benzo(g,h,i)perylene	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.50 U	0.50 U	NA	0.50 U	NA	NA
	Benzo(k)fluoranthene	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	NA	0.20 U	NA	NA
	Chrysene	NS	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	NA	0.20 U	NA	NA
	Dibenz(a,h)anthracene	NS	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	NA	0.20 U	NA	NA
	Fluoranthene	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.50 U	0.50 U	NA	0.50 U	NA	NA
	Fluorene	NS	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA
	Indeno(1,2,3-cd)pyrene	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.20 U	0.20 U	NA	0.20 U	NA	NA
	2-Methylnaphthalene	2,000	20,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA
	Naphthalene	1,000	20,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA
	Phenanthrene	NS	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.05 U	0.05 U	NA	0.05 U	NA	NA
	Pyrene	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.0 U	1.0 U	NA	1.0 U	NA	NA
PCBs																			
(ug/L)	Aroclor 1016	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 U	NA	NA	0.050 U	0.050 U	NA
	Aroclor 1221	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 U	NA	NA	0.050 U	0.050 U	NA
	Aroclor 1232	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 U	NA	NA	0.050 U	0.050 U	NA
	Aroclor 1242	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 U	NA	NA	0.050 U	0.050 U	NA
	Aroclor 1248	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 U	NA	NA	0.050 U	0.050 U	NA
	Aroclor 1254	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 U	NA	NA	0.050 U	0.050 U	NA
	Aroclor 1260	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 U	NA	NA	0.050 U	0.050 U	NA
	Total PCBs	5	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 U	NA	NA	0.050 U	0.050 U	NA
Metals, total																			
(ug/L)	Antimony	NS	8,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.0 U	40.0 U	NA	40.0 U	NA	NA
	Arsenic	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.0 U	NA	5.0 U	NA	NA
	Barium	NS	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5,340**	**5,490**	NA	**141**	NA	NA
	Beryllium	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U	NA	NA
	Cadmium	NS	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	NA	2.5 U	NA	NA
	Chromium	NS	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.0 U	NA	5.0 U	NA	NA
	Lead	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.5 U	7.5 U	NA	7.5 U	NA	NA
	Mercury	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14.0**	**15.0**	NA	**270**	NA	NA
	Nickel	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 U	0.10 U	NA	0.10 U	NA	NA
	Selenium	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.0 U	NA	5.0 U	NA	NA
	Silver	NS	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.0 U	30.0 U	NA	30.0 U	NA	NA
	Thallium	NS	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0 U	3.0 U	NA	3.0 U	NA	NA

Table 2
Summary of Analytical Results for Groundwater Samples -- 2008 through 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		MW-32							MW-33			MW-HH-13			MW-HRC-33		
			Sample Date:	10/21/2010	3/8/2011	3/25/2011	3/25/2011	4/8/2011	4/8/2011	4/28/2011	10/21/2010	3/8/2011	4/12/2011	4/23/2009	4/23/2009	2/18/2010	4/23/2009	4/23/2009	2/17/2010
		GW-2	GW-3				Field Dup		Field Dup						Field Dup			Field Dup	
	Vanadium	NS	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.0 U	30.0 U	NA	30.0 U	NA	NA
	Zinc	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.0 U	25.0 U	NA	25.0 U	NA	NA
Metals, dissolved																			
(ug/L)	Antimony	NS	8,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	40.0 U	40.0 U	NA	40.0 U	NA	NA
	Arsenic	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.0 U	NA	5.0 U	NA	NA
	Barium	NS	50,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5,570**	**5,710**	NA	**157**	NA	NA
	Beryllium	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U	NA	NA
	Cadmium	NS	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5 U	2.5 U	NA	2.5 U	NA	NA
	Chromium	NS	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.0 U	NA	5.0 U	NA	NA
	Lead	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.5 U	7.5 U	NA	**10.5**	NA	NA
	Mercury	NS	20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**17.0**	**20.0**	NA	**300**	NA	NA
	Nickel	NS	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.10 U	0.10 U	NA	0.10 U	NA	NA
	Selenium	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.0 U	5.0 U	NA	5.0 U	NA	NA
	Silver	NS	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.0 U	30.0 U	NA	30.0 U	NA	NA
	Thallium	NS	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.0 U	3.0 U	NA	3.0 U	NA	NA
	Vanadium	NS	4,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.0 U	30.0 U	NA	30.0 U	NA	NA
	Zinc	NS	900	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.0 U	25.0 U	NA	25.0 U	NA	NA
General Chemistry																			
(ug/L)	Nitrogen, Nitrate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Sulfate	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total Organic Carbon	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
ug/L - micrograms per liter.
J - Estimated value.
NA - Sample not analyzed for the listed analyte.
NS - No MassDEP standards exist for this compound.
U - Compound was not detected at specified quantitation limit.
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.
PAHs - Polynuclear Aromatic Hydrocarbons.
PCBs - Polychlorinated Biphenyls.
(1) - MassDEP Method 1 standards for C9-C10 aromatic hydrocarbons used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.

Table 3
Summary of Detected Analytical Results for Indoor Air Samples -- 2010 and 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample Locatoin:	Mechanical Room B-114			Classroom B-116	Senior Honor Lounge Room B-109			Cafeteria Storage Room	Classroom A-112-3				Classroom A-115-4
		Sample ID:	TRC-IA-1	TRC-IA-1	IA-2	TRC-IA-2	TRC-IA-3	B109		TRC-IA-4	TRC-IA-5	TRC-IA-5	IA-1		TRC-IA-6
		Sample Date:	1/31/2010	4/20/2010	8/24/2010	1/31/2010	1/31/2010	4/8/2011	4/8/2011	1/31/2010	1/31/2010	4/20/2010	8/24/2010	8/24/2010	4/20/2010
		IATV							Field Dup					Field Dup	
TO-15															
(ug/m3)	Dichlorodifluoromethane	N/A	**2.00**	**2.27**	**3.11**	**2.02**	**2.08**	**2.34**	**2.24**	**2.13**	**3.36**	**2.55**	**2.52**	**2.92**	**3.09**
	Chloromethane	N/A	**1.11**	**1.04**	**1.10**	**1.03**	**0.92**	1.03 U	1.03 U	**1.16**	**1.29**	**1.29**	**1.04**	**1.09**	**1.54**
	Vinyl chloride	0.39	**0.562**	**0.853**	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	**0.531**	0.051 U	0.051 U	0.051 U	0.051 U
	Acetone	230	**3.40**	**2.58**	**7.86**	**3.57**	**29.6**	**4.57**	**5.31**	**3.68**	2.37 U	**4.83**	**7.52**	**8.21**	**6.81**
	Trichlorofluoromethane	N/A	1.12 U	**1.25**	**1.82**	1.12 U	1.12 U	**1.18**	**1.10**	1.12 U	**4.92**	**1.37**	**1.5**	**1.6**	**1.57**
	Methylene chloride	11	1.74 U	1.74 U	4.86 U	1.74 U	1.74 U	4.86 U	4.86 U	1.74 U	1.74 U	1.74 U	4.86 U	4.86 U	1.74 U
	trans-1,2-Dichloroethene	20	**2.38**	**5.62**	**0.23**	0.079 U	0.079 U	**0.083**	**0.095**	0.079 U	**1.72**	0.079 U	0.079 U	0.079 U	0.079 U
	Methyl tert butyl ether	880	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U	0.072 U	0.072 U	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U
	2-Butanone	1,500	**1.01**	**4.57**	**3.04**	0.589 U	0.589 U	**0.784**	**1.35**	0.589 U	**1.89**	0.589 U	0.589 U	**0.628**	0.589 U
	cis-1,2-Dichloroethene	10	**4.27**	**15.2**	**0.103**	**0.087**	0.079 U	**0.551**	**0.539**	0.079 U	**3.58**	0.079 U	0.079 U	0.079 U	**0.103**
	Chloroform	3	0.098 U	**0.161**	**2.34**	0.098 U	0.098 U	0.098 U	0.098 U	0.098 U	**0.283**	0.098 U	**1.31**	**0.146**	0.098 U
	1,2-Dichloroethane	0.13	0.081 U	**0.109**	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U
	1,1,1-Trichloroethane	1,500	1.09 U	1.09 U	**1.31**	1.09 U	1.09 U	**1.85**	**1.78**	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
	Benzene	11	**0.865**	**5.50**	**1.52**	**0.424**	**0.447**	**0.495**	**0.498**	**0.479**	**2.55**	**0.345**	0.319 U	0.319 U	**0.405**
	Carbon tetrachloride	0.86	**0.578**	**0.509**	**0.66**	**0.484**	**0.390**	**0.396**	**0.377**	**0.490**	**0.559**	**0.566**	**0.654**	**0.666**	**0.629**
	Bromodichloromethane	0.19	0.134 U	0.134 U	**0.355**	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U
	Trichloroethene	2	**2.20**	**10.9**	**0.204**	0.107 U	0.107 U	**17.5**	**17.2**	0.107 U	**1.12**	0.107 U	0.107 U	0.107 U	**0.172**
	4-Methyl-2-pentanone	880	0.819 U	0.819 U	**0.876**	0.819 U	0.819 U	0.819 U	0.819 U	0.819 U	**1.21**	0.819 U	0.819 U	0.819 U	0.819 U
	Toluene	1,500	**1.97**	**42.0**	**9.47**	0.753 U	**4.18**	**1.30**	**1.44**	0.753 U	**13.1**	0.753 U	**0.922**	**0.979**	**0.874**
	Tetrachloroethene	4.1	0.136 U	0.136 U	0.136 U	0.136 U	0.136 U	**0.142**	**0.142**	0.136 U	0.136 U	0.136 U	0.136 U	0.136 U	0.136 U
	Ethylbenzene	290	0.868 U	**5.99**	**1.43**	0.868 U	**3.06**	**0.160**	**0.212**	0.868 U	**1.80**	0.868 U	0.868 U	0.868 U	0.868 U
	p/m-Xylene	29	1.74 U	**24.4**	**6.13**	1.74 U	**9.61**	**0.408**	**0.616**	1.74 U	**7.55**	1.74 U	1.74 U	1.74 U	1.74 U
	o-Xylene	29	0.868 U	**7.49**	**1.90**	0.868 U	**2.03**	**0.148**	**0.226**	0.868 U	**2.44**	0.868 U	0.868 U	0.868 U	0.868 U
	Xylenes (total)	29	1.74 U	**31.89**	**8.03**	1.74 U	**11.64**	**0.556**	**0.842**	1.74 U	**9.99**	1.74 U	1.74 U	1.74 U	1.74 U
	Styrene	6	0.851 U	0.851 U	0.851 U	0.851 U	0.851 U	0.085 U	0.085 U	0.851 U	0.851 U	0.851 U	0.851 U	0.851 U	0.851 U
	n-Propylbenzene	44(a)	0.982 U	**1.49**	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U
	1,3,5-Trimethybenzene	44(a)	0.982 U	**2.54**	0.982 U	0.982 U	0.982 U	0.098 U	0.098 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U
	1,2,4-Trimethylbenzene	44(a)	0.982 U	**9.04**	**2.36**	0.982 U	0.982 U	0.098 U	**0.157**	0.982 U	**3.18**	0.982 U	0.982 U	0.982 U	0.982 U
	Naphthalene	2.7	0.262 U	**0.681**	0.262 U	0.262 U	**0.665**	0.262 U	0.262 U	0.262 U	**0.325**	0.262 U	0.262 U	0.262 U	0.262 U

Notes:
ug/m3 - micrograms per cubic meter.
N/A - No MassDEP criteria exist for this analyte.
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 IATV.
TO - Toxic organics.
IATV - MassDEP, Indoor Air Threshold Values (IATV), Commercial/ Industrial, Vapor Intrusion Guidance- Interim Draft, December 2010.
(a) - IATV criteria for C9-C10 aromatics used.

Table 3
Summary of Detected Analytical Results for Indoor Air Samples -- 2010 and 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample Locatoin:	Classroom A-105-4	Classroom A-115-3	Classroom A-105-3	Classroom A-115-2	Classroom A-105-2	Classroom A-116-1	Classroom A-112-2	Classroom A-110-1	Lecture Room D-120		Storage Room	Can Wash
		Sample ID:	TRC-IA-7	TRC-IA-8	TRC-IA-9	TRC-IA-10	TRC-IA-11	TRC-IA-12	TRC-IA-13	TRC-IA-14	TRC-IA-15	IA-3	B106	B147
		Sample Date:	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	4/20/2010	8/24/2010	4/8/2011	4/8/2011
		IATV												
TO-15														
(ug/m3)	Dichlorodifluoromethane	N/A	**2.16**	**2.31**	**1.95**	**2.21**	**2.20**	**2.85**	**2.56**	**2.23**	**2.28**	**3.06**	**2.33**	**2.21**
	Chloromethane	N/A	**1.11**	**1.09**	**1.08**	**1.19**	**1.07**	**1.33**	**1.42**	**1.01**	**1.12**	**1.23**	1.03 U	1.03 U
	Vinyl chloride	0.39	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U	0.051 U
	Acetone	230	**5.18**	**7.56**	**5.78**	**4.64**	**7.75**	**5.30**	**5.02**	**4.62**	**8.21**	**9.90**	**59.1**	**6.11**
	Trichlorofluoromethane	N/A	1.12 U	**1.25**	1.12 U	**1.20**	**1.18**	**1.48**	**1.36**	**1.21**	**1.58**	**2.03**	**1.16**	**1.14**
	Methylene chloride	11	1.74 U	1.74 U	**2.87**	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	4.86 U	4.86 U	4.86 U
	trans-1,2-Dichloroethene	20	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U
	Methyl tert butyl ether	880	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U	**4.74**	0.720 U	0.072 U	0.072 U
	2-Butanone	1,500	0.589 U	**0.922**	0.589 U	0.589 U	**0.746**	**0.648**	0.589 U	0.589 U	**2.44**	**1.79**	**0.996**	**1.16**
	cis-1,2-Dichloroethene	10	**0.246**	0.079 U	**0.119**	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	0.079 U	**0.226**	**0.254**
	Chloroform	3	0.098 U	0.098 U	0.098 U	0.098 U	0.098 U	0.098 U	0.098 U	0.098 U	**0.590**	**0.107**	**0.098**	**0.107**
	1,2-Dichloroethane	0.13	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U	0.081 U
	1,1,1-Trichloroethane	1,500	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	**7.14**	1.09 U	**1.10**	**1.07**
	Benzene	11	0.319 U	0.319 U	**0.354**	0.319 U	0.319 U	**0.358**	**0.322**	0.319 U	**4.48**	**0.348**	**0.447**	**0.492**
	Carbon tetrachloride	0.86	**0.478**	**0.484**	**0.541**	**0.490**	**0.509**	**0.610**	**0.578**	**0.484**	**0.478**	**0.679**	**0.390**	**0.383**
	Bromodichloromethane	0.19	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U	0.134 U
	Trichloroethene	2	**0.462**	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U	0.107 U	**0.107**	0.107 U	**7.25**	**7.42**
	4-Methyl-2-pentanone	880	0.819 U	0.819 U	0.819 U	0.819 U	0.819 U	0.819 U	0.819 U	0.819 U	0.819 U	0.819 U	0.819 U	0.819 U
	Toluene	1,500	**1.41**	0.753 U	**0.915**	0.753 U	**1.31**	0.753 U	0.753 U	0.753 U	**36.9**	**3.54**	**1.30**	**1.37**
	Tetrachloroethene	4.1	0.136 U	0.136 U	**0.196**	0.136 U	0.136 U	0.136 U	0.136 U	0.136 U	**1.76**	**0.136**	0.136 U	0.136 U
	Ethylbenzene	290	0.868 U	0.868 U	0.868 U	0.868 U	0.868 U	0.868 U	0.868 U	0.868 U	**6.00**	0.868 U	**0.260**	**0.252**
	p/m-Xylene	29	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	**18.8**	**2.41**	**0.720**	**0.781**
	o-Xylene	29	0.868 U	0.868 U	0.868 U	0.868 U	0.868 U	0.868 U	0.868 U	0.868 U	**6.69**	0.868 U	**0.317**	**0.321**
	Xylenes (total)	29	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	**25.49**	**2.41**	**1.037**	**1.102**
	Styrene	6	0.851 U	0.851 U	0.851 U	0.851 U	0.851 U	0.851 U	0.851 U	0.851 U	0.851 U	0.851 U	**0.294**	0.085 U
	n-Propylbenzene	44(a)	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	**1.48**	0.982 U	0.982 U	0.982 U
	1,3,5-Trimethybenzene	44(a)	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	**2.11**	0.982 U	0.098 U	0.098 U
	1,2,4-Trimethylbenzene	44(a)	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	**6.96**	0.982 U	**0.182**	**0.167**
	Naphthalene	2.7	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	0.262 U	**0.644**	0.262 U	0.262 U	0.262 U

Notes:
ug/m3 - micrograms per cubic meter.
N/A - No MassDEP criteria exist for this analyte.
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 IATV.
TO - Toxic organics.
IATV - MassDEP, Indoor Air Threshold Values (IATV), Commercial/ Industrial,
Vapor Intrusion Guidance- Interim Draft, December 2010.
(a) - IATV criteria for C9-C10 aromatics used.

Table 4
Summary of Analytical Results for Soil Gas Samples -- 2010
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample Location:	PVP-1		PVP-2		PVP-3		PVP-4		PVP-5			PVP-6		PVP-7		PVP-8		TVP-2	TVP-5	TVP-7	TVP-8
		Location Room:	Classroom A-115-4		Classroom A-115-3		Classroom A-112-3		Classroom A-115-2		Classroom A-105-1			Mechanical Room B-114		Wood Shop D-105		Auto Shop D-116		Classroom A-105-4	Classroom A-105-3	Classroom A-105-2	Classroom A-115-1
		Sample ID:	TVP-1	PVP-1	TVP-3	PVP-2	TVP-4	PVP-3	TVP-6	PVP-4	TVP-9		PVP-5	PVP-6		TVP-10	PVP-7	TVP-11	PVP-8	TVP-2	TVP-5	TVP-7	TVP-8
		Sample Date:	2/15/2010	4/20/2010	2/15/2010	4/20/2010	2/15/2010	4/20/2010	2/15/2010	4/20/2010	2/15/2010	2/15/2010	4/20/2010	4/9/2010	4/20/2010	2/15/2010	4/20/2010	2/15/2010	4/20/2010	2/15/2010	2/15/2010	2/15/2010	2/15/2010
		Screening Values*										Field Dup											
TO-15 (ug/m3)	1,1,1-Trichloroethane	150	10.9 U	1.09 U	2.72 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	12.8 U	12.3 U	**12.7**	**2.15**	10.9 U	2.18 U	1.09 U	1.09 U	1.09 U	1.09 U
	1,1,2,2-Tetrachloroethane	2.05	13.7 U	1.37 U	3.43 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	16.2 U	15.5 U	1.37 U	1.37 U	13.7 U	2.74 U	1.37 U	1.37 U	1.37 U	1.37 U
	1,1,2-Trichloroethane	7.5	10.9 U	1.09 U	2.72 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	12.8 U	12.3 U	1.09 U	1.09 U	10.9 U	2.18 U	1.09 U	1.09 U	1.09 U	1.09 U
	1,1-Dichloroethane	40	8.09 U	0.809 U	2.02 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	9.54 U	9.13 U	0.809 U	0.809 U	8.09 U	1.62 U	0.809 U	0.809 U	0.809 U	0.809 U
	1,1-Dichloroethene	40	7.92 U	0.792 U	1.98 U	0.792 U	0.792 U	0.792 U	0.792 U	0.792 U	0.792 U	0.792 U	0.792 U	**163**	**594**	**2.20**	0.792 U	7.92 U	1.58 U	0.792 U	0.792 U	0.792 U	0.792 U
	1,2,4-Trichlorobenzene	170	14.8 U	1.48 U	3.71 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	43.7 U	41.8 U	1.48 U	1.48 U	14.8 U	2.97 U	1.48 U	1.48 U	1.48 U	1.48 U
	1,2,4-Trimethylbenzene	500[1]	9.82 U	0.982 U	2.46 U	0.982 U	0.982 U	0.982 U	0.982 U	**1.92**	**7.24**	**1.86**	0.982 U	116 U	55.4 U	**16.1**	0.982 U	9.82 U	1.96 U	**1.78**	0.982 U	0.982 U	0.982 U
	1,2-Dibromoethane	0.55	15.4 U	1.54 U	3.84 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	18.1 U	17.3 U	1.54 U	1.54 U	15.4 U	3.07 U	1.54 U	1.54 U	1.54 U	1.54 U
	1,2-Dichlorobenzene	36	12.0 U	1.20 U	3.00 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	14.2 U	13.6 U	1.20 U	1.20 U	12.0 U	2.40 U	1.20 U	1.20 U	1.20 U	1.20 U
	1,2-Dichloroethane	4.5	8.09 U	0.809 U	2.02 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	9.54 U	9.13 U	0.809 U	0.809 U	8.09 U	1.62 U	0.809 U	0.809 U	0.809 U	0.809 U
	1,2-Dichloropropane	6.5	9.24 U	0.924 U	2.31 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	10.9 U	10.4 U	0.924 U	0.924 U	9.24 U	1.85 U	0.924 U	0.924 U	0.924 U	0.924 U
	1,3,5-Trimethybenzene	500[1]	9.82 U	0.982 U	2.46 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	**1.39**	0.982 U	0.982 U	116 U	55.4 U	**3.19**	0.982 U	9.82 U	1.96 U	0.982 U	0.982 U	0.982 U	0.982 U
	1,3-Dichlorobenzene	30	12.0 U	1.20 U	3.00 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	14.2 U	13.6 U	1.20 U	1.20 U	12.0 U	2.40 U	1.20 U	1.20 U	1.20 U	1.20 U
	1,4-Dichlorobenzene	25	12.0 U	1.20 U	3.00 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	14.2 U	13.6 U	1.20 U	1.20 U	12.0 U	2.40 U	1.20 U	1.20 U	1.20 U	1.20 U
	1,4-Dioxane	29.5	7.20 U	0.720 U	1.80 U	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U	42.4 U	40.6 U	0.720 U	0.720 U	7.20 U	1.44 U	0.720 U	0.720 U	0.720 U	0.720 U
	2-Butanone	600	**17.3**	0.589 U	**36.3**	**3.04**	**5.42**	**5.45**	**3.88**	**21.1**	**2.57**	**3.42**	**6.75**	174 U	166 U	**19.1**	**1.64**	5.89 U	**6.32**	**4.06**	**2.93**	**5.08**	**5.68**
	2-Hexanone	NS	8.19 U	0.819 U	2.05 U	0.819 U	0.819 U	0.819 U	0.819 U	**1.41**	0.819 U	0.819 U	0.819 U	96.5 U	46.2 U	0.819 U	0.819 U	8.19 U	1.64 U	0.819 U	0.819 U	0.819 U	0.819 U
	Acetone	4,550	**1,100**	**4.10**	**665**	**24.5**	**137**	**29.8**	**52.9**	**158**	**24.1**	**33.5**	**71.3**	560 U	536 U	**325**	**13.3**	**4,730**	**62.8**	**94.8**	**31.0**	**46.7**	**167**
	Benzene	115	**84.7**	0.638 U	**33.6**	0.638 U	**3.93**	0.638 U	**0.964**	**6.36**	**1.74**	**1.95**	**3.71**	37.6 U	36 U	**4.38**	**3.62**	6.38 U	**10.4**	**1.36**	**1.54**	**1.42**	**1.60**
	Bromodichloromethane	7	13.4 U	1.34 U	3.35 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	15.8 U	**67.3**	1.34 U	1.34 U	13.4 U	2.68 U	1.34 U	1.34 U	1.34 U	1.34 U
	Bromoform	110	20.6 U	2.06 U	5.16 U	2.06 U	2.06 U	2.06 U	2.06 U	2.06 U	2.06 U	2.06 U	2.06 U	24.4 U	23.3 U	2.06 U	2.06 U	20.6 U	4.13 U	2.06 U	2.06 U	2.06 U	2.06 U
	Bromomethane	30	7.76 U	0.776 U	1.94 U	0.776 U	0.776 U	0.776 U	0.776 U	0.776 U	0.776 U	0.776 U	0.776 U	9.15 U	8.76 U	0.776 U	0.776 U	7.76 U	1.55 U	0.776 U	0.776 U	0.776 U	0.776 U
	Carbon disulfide	NS	6.22 U	0.622 U	**3.04**	**1.09**	0.622 U	0.622 U	0.622 U	0.622 U	0.622 U	0.622 U	0.622 U	73.4 U	35.1 U	0.622 U	0.622 U	6.22 U	1.24 U	0.622 U	0.622 U	0.622 U	0.622 U
	Carbon tetrachloride	27	12.6 U	1.26 U	3.14 U	1.26 U	1.26 U	1.26 U	1.26 U	1.26 U	1.26 U	1.26 U	1.26 U	14.8 U	14.2 U	1.26 U	1.26 U	12.6 U	2.51 U	1.26 U	1.26 U	1.26 U	1.26 U
	Chlorobenzene	115	9.20 U	0.920 U	2.30 U	0.920 U	0.920 U	0.920 U	0.920 U	0.920 U	0.920 U	0.920 U	0.920 U	10.8 U	10.4 U	0.920 U	0.920 U	9.20 U	1.84 U	0.920 U	0.920 U	0.920 U	0.920 U
	Chloroethane	NS	5.27 U	0.527 U	**1.83**	0.527 U	0.527 U	0.527 U	0.527 U	0.527 U	0.527 U	0.527 U	0.527 U	62.2 U	29.8 U	**0.678**	0.527 U	5.27 U	1.05 U	0.527 U	0.527 U	0.527 U	0.527 U
	Chloroform	95	9.76 U	0.976 U	2.44 U	0.976 U	0.976 U	0.976 U	**2.28**	0.976 U	0.976 U	0.976 U	0.976 U	**12.6**	**33.6**	0.976 U	0.976 U	9.76 U	1.95 U	0.976 U	0.976 U	0.976 U	0.976 U
	Chloromethane	NS	4.13 U	0.413 U	**3.06**	0.413 U	**0.442**	0.413 U	0.413 U	**1.04**	0.413 U	0.413 U	**1.26**	48.6 U	23.3 U	**0.792**	**0.512**	4.13 U	**3.18**	0.413 U	0.413 U	0.413 U	**0.454**
	cis-1,2-Dichloroethene	40	7.92 U	0.792 U	1.98 U	0.792 U	0.792 U	0.792 U	0.792 U	0.792 U	0.792 U	0.792 U	0.792 U	**1,270**	**5,430**	0.792 U	0.792 U	7.92 U	1.58 U	0.792 U	0.792 U	0.792 U	0.792 U
	cis-1,3-Dichloropropene	30	9.07 U	0.907 U	2.27 U	0.907 U	0.907 U	0.907 U	0.907 U	0.907 U	0.907 U	0.907 U	0.907 U	10.7 U	10.2 U	0.907 U	0.907 U	9.07 U	1.81 U	0.907 U	0.907 U	0.907 U	0.907 U
	Dibromochloromethane	5	17.0 U	1.70 U	4.26 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	20.1 U	19.2 U	1.70 U	1.70 U	17.0 U	3.40 U	1.70 U	1.70 U	1.70 U	1.70 U
	Dichlorodifluoromethane	NS	9.88 U	**3.29**	2.47 U	**2.78**	**2.44**	**2.61**	**2.26**	**2.02**	**2.26**	**2.65**	**3.34**	116 U	55.8 U	**2.35**	**2.59**	9.88 U	**2.83**	**2.15**	**2.21**	**2.32**	**2.45**
	Ethylbenzene	370	8.68 U	0.868 U	**4.09**	0.868 U	0.868 U	0.868 U	0.868 U	**1.46**	**1.38**	**1.67**	0.868 U	10.2 U	9.8 U	**6.21**	0.868 U	8.68 U	1.74 U	0.868 U	0.868 U	0.868 U	0.868 U
	Hexachlorobutadiene	5.5	21.3 U	2.13 U	5.33 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	62.8 U	60.2 U	2.13 U	2.13 U	21.3 U	4.26 U	2.13 U	2.13 U	2.13 U	2.13 U
	Methylene chloride	250	17.4 U	1.74 U	4.34 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	409 U	392 U	1.74 U	1.74 U	17.4 U	3.47 U	1.74 U	1.74 U	1.74 U	1.74 U
	4-Methyl-2-pentanone	110	8.19 U	0.819 U	**9.43**	0.819 U	**5.19**	0.819 U	**1.44**	**2.96**	0.819 U	0.819 U	0.819 U	241 U	231 U	**24.2**	0.819 U	8.19 U	1.64 U	**1.31**	0.819 U	**2.04**	**2.83**
	Methyl tert butyl ether	1,950	7.20 U	0.720 U	1.80 U	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U	0.720 U	8.49 U	8.13 U	0.720 U	0.720 U	7.20 U	1.44 U	0.720 U	0.720 U	0.720 U	0.720 U
	p/m-Xylene	1,000	17.4 U	1.74 U	**7.83**	1.74 U	**2.03**	1.74 U	1.74 U	**4.67**	**5.22**	**5.55**	**2.63**	10.7 U	10.2 U	**39.8**	1.74 U	**23.7**	3.47 U	**1.91**	1.74 U	1.74 U	1.74 U
	o-Xylene	1,000	8.68 U	0.868 U	2.17 U	0.868 U	0.868 U	0.868 U	0.868 U	**1.72**	**2.54**	**2.35**	**0.985**	10.2 U	9.8 U	**12.8**	0.868 U	**13.5**	1.74 U	0.868 U	0.868 U	0.868 U	0.868 U
	Styrene	70	8.51 U	0.851 U	**3.33**	0.851 U	0.851 U	0.851 U	0.851 U	0.851 U	0.851 U	0.851 U	0.851 U	10.0 U	9.61 U	0.851 U	0.851 U	8.51 U	1.70 U	0.851 U	0.851 U	0.851 U	0.851 U
	Tetrachloroethene	70	13.6 U	**6.73**	3.39 U	**2.22**	1.36 U	**1.77**	**10.3**	1.36 U	**5.17**	**4.69**	**8.70**	**1,930**	**51.3**	**2.20**	**4.70**	**39.2**	**61.9**	**1.79**	**1.48**	**2.90**	**2.18**
	Tetrahydrofuran	NS	5.89 U	0.589 U	1.47 U	0.589 U	0.589 U	0.589 U	0.589 U	0.589 U	0.589 U	0.589 U	**0.919**	69.5 U	33.3 U	**30.7**	0.589 U	5.89 U	1.18 U	0.589 U	0.589 U	0.589 U	0.589 U
	Toluene	2,700	**21.6**	0.753 U	**21.3**	0.753 U	**2.97**	0.753 U	**0.764**	**4.95**	**3.12**	**3.92**	**2.49**	22.2 U	21.2 U	**17.6**	**0.764**	7.53 U	1.51 U	**2.57**	**1.19**	**0.761**	**3.67**
	trans-1,2-Dichloroethene	40	7.92 U	0.792 U	1.98 U	0.792 U	0.792 U	0.792 U	0.792 U	0.792 U	0.792 U	0.792 U	0.792 U	**33,400**	**73,100 E**	0.792 U	0.792 U	7.92 U	1.58 U	0.792 U	0.792 U	0.792 U	0.792 U
	trans-1,3-Dichloropropene	30	9.07 U	0.907 U	2.27 U	0.907 U	0.907 U	0.907 U	0.907 U	0.907 U	0.907 U	0.907 U	0.907 U	10.7 U	10.2 U	0.907 U	0.907 U	9.07 U	1.81 U	0.907 U	0.907 U	0.907 U	0.907 U
	Trichloroethene	40	**22.6**	**2.06**	**15.0**	1.07 U	1.07 U	1.07 U	1.07 U	**7.61**	1.07 U	1.07 U	**1.35**	**3,120**	**7,160**	1.07 U	1.07 U	10.7 U	2.15 U	1.07 U	1.07 U	1.07 U	1.07 U
	Trichlorofluoromethane	NS	11.2 U	**1.84**	2.81 U	**1.53**	**1.21**	**1.46**	1.12 U	**1.23**	1.12 U	**1.18**	**1.64**	132 U	63.4 U	**1.21**	**1.41**	11.2 U	2.24 U	**1.17**	1.12 U	1.12 U	**1.26**
	Vinyl chloride	13.5	5.11 U	0.511 U	1.28 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	**1,680**	**2,960**	0.511 U	0.511 U	5.11 U	1.02 U	0.511 U	0.511 U	0.511 U	0.511 U
	Naphthalene	30.5	10.5 U	1.05 U	**3.31**	1.05 U	1.05 U	1.05 U	1.05 U	1.05 U	**3.84**	1.05 U	1.05 U	30.9 U	29.6 U	**3.22**	1.05 U	10.5 U	2.10 U	1.05 U	1.05 U	1.05 U	1.05 U
	1,1,1,2-Tetrachloroethane	NS	13.7 U	1.37 U	3.43 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	162 U	77.4 U	1.37 U	1.37 U	13.7 U	2.74 U	1.37 U	1.37 U	1.37 U	1.37 U
	Isopropylbenzene	500[1]	**198**	0.982 U	**36.0**	0.982 U	**7.45**	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	116 U	55.4 U	0.982 U	0.982 U	9.82 U	1.96 U	0.982 U	0.982 U	0.982 U	**39.3**
	1,2,3-Trichloropropane	NS	12.0 U	1.20 U	3.01 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	142 U	68.0 U	1.20 U	1.20 U	12.0 U	2.41 U	1.20 U	1.20 U	1.20 U	1.20 U
	Bromobenzene	NS	12.8 U	1.28 U	3.21 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	1.28 U	151 U	72.4 U	1.28 U	1.28 U	12.8 U	2.57 U	1.28 U	1.28 U	1.28 U	1.28 U
	Dibromomethane	NS	14.2 U	1.42 U	3.55 U	1.42 U	1.42 U	1.42 U	1.42 U	1.42 U	1.42 U	1.42 U	1.42 U	168 U	80.2 U	1.42 U	1.42 U	14.2 U	2.84 U	1.42 U	1.42 U	1.42 U	1.42 U
	tert-Amyl Methyl Ether	NS	8.35 U	0.835 U	2.09 U	0.835 U	0.835 U	0.835 U	0.835 U	0.835 U	0.835 U	0.835 U	0.835 U	98.4 U	47.1 U	0.835 U	0.835 U	8.35 U	1.67 U	0.835 U	0.835 U	0.835 U	0.835 U
	2-Chlorotoluene	NS	10.3 U	1.03 U	2.59 U	1.03 U	1.03 U	1.03 U	1.03 U	1.03 U	1.03 U	1.03 U	1.03 U	122 U	58.4 U	1.03 U	1.03 U	10.3 U	2.07 U	1.03 U	1.03 U	1.03 U	1.03 U

Table 4
Summary of Analytical Results for Soil Gas Samples -- 2010
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample Location:	PVP-1		PVP-2		PVP-3		PVP-4		PVP-5			PVP-6		PVP-7		PVP-8		TVP-2	TVP-5	TVP-7	TVP-8
		Location Room:	Classroom A-115-4		Classroom A-115-3		Classroom A-112-3		Classroom A-115-2		Classroom A-105-1			Mechanical Room B-114		Wood Shop D-105		Auto Shop D-116		Classroom A-105-4	Classroom A-105-3	Classroom A-105-2	Classroom A-115-1
		Sample ID:	TVP-1	PVP-1	TVP-3	PVP-2	TVP-4	PVP-3	TVP-6	PVP-4	TVP-9		PVP-5	PVP-6		TVP-10	PVP-7	TVP-11	PVP-8	TVP-2	TVP-5	TVP-7	TVP-8
		Sample Date:	2/15/2010	4/20/2010	2/15/2010	4/20/2010	2/15/2010	4/20/2010	2/15/2010	4/20/2010	2/15/2010	2/15/2010	4/20/2010	4/9/2010	4/20/2010	2/15/2010	4/20/2010	2/15/2010	4/20/2010	2/15/2010	2/15/2010	2/15/2010	2/15/2010
		Screening Values*										Field Dup											
	4-Chlorotoluene	NS	10.3 U	1.03 U	2.59 U	1.03 U	1.03 U	1.03 U	1.03 U	1.03 U	1.03 U	1.03 U	1.03 U	122 U	58.4 U	1.03 U	1.03 U	10.3 U	2.07 U	1.03 U	1.03 U	1.03 U	1.03 U
	2,2-Dichloropropane	NS	9.23 U	0.923 U	2.31 U	0.923 U	0.923 U	0.923 U	0.923 U	0.923 U	0.923 U	0.923 U	0.923 U	109 U	52.1 U	0.923 U	0.923 U	9.23 U	1.85 U	0.923 U	0.923 U	0.923 U	0.923 U
	1,1-Dichloropropene	NS	9.07 U	0.907 U	2.27 U	0.907 U	0.907 U	0.907 U	0.907 U	0.907 U	0.907 U	0.907 U	0.907 U	107 U	51.2 U	0.907 U	0.907 U	9.07 U	1.81 U	0.907 U	0.907 U	0.907 U	0.907 U
	Diisopropyl ether	NS	8.35 U	0.835 U	2.09 U	0.835 U	0.835 U	0.835 U	0.835 U	0.835 U	0.835 U	0.835 U	0.835 U	98.4 U	47.1 U	0.835 U	0.835 U	8.35 U	1.67 U	0.835 U	0.835 U	0.835 U	0.835 U
	tert-Butyl Ethyl Ether	NS	8.35 U	0.835 U	2.09 U	0.835 U	0.835 U	0.835 U	0.835 U	0.835 U	0.835 U	0.835 U	0.835 U	98.5 U	47.2 U	0.835 U	0.835 U	8.35 U	1.67 U	0.835 U	0.835 U	0.835 U	0.835 U
	1,2,3-Trichlorobenzene	NS	14.8 U	1.48 U	3.71 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	175 U	83.7 U	1.48 U	1.48 U	14.8 U	2.97 U	1.48 U	1.48 U	1.48 U	1.48 U
	Ethyl ether	NS	6.06 U	0.606 U	1.51 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	0.606 U	71.4 U	34.2 U	0.606 U	0.606 U	6.06 U	1.21 U	0.606 U	0.606 U	0.606 U	0.606 U
	n-Butylbenzene	500(1)	11.0 U	1.10 U	2.74 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	129 U	61.9 U	**1.71**	1.10 U	11.0 U	2.19 U	1.10 U	1.10 U	1.10 U	1.10 U
	sec-Butylbenzene	500(1)	11.0 U	1.10 U	2.74 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	129 U	61.9 U	1.10 U	1.10 U	11.0 U	2.19 U	1.10 U	1.10 U	1.10 U	1.10 U
	tert-Butylbenzene	500(1)	11.0 U	1.10 U	2.74 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	129 U	61.9 U	**1.91**	1.10 U	11.0 U	2.19 U	1.10 U	1.10 U	1.10 U	**3.66**
	1,2-Dibromo-3-chloropropane	NS	19.3 U	1.93 U	4.83 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	1.93 U	228 U	109 U	1.93 U	1.93 U	19.3 U	3.86 U	1.93 U	1.93 U	1.93 U	1.93 U
	p-Isopropyltoluene	500(1)	11.0 U	1.10 U	2.74 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	1.10 U	129 U	61.9 U	1.10 U	1.10 U	11.0 U	2.19 U	1.10 U	1.10 U	1.10 U	1.10 U
	n-Propylbenzene	500(1)	9.82 U	0.982 U	2.46 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	0.982 U	116 U	55.4 U	**1.85**	0.982 U	9.82 U	1.96 U	0.982 U	0.982 U	0.982 U	0.982 U
	1,3-Dichloropropane	NS	9.23 U	0.923 U	2.31 U	0.923 U	0.923 U	0.923 U	0.923 U	0.923 U	0.923 U	0.923 U	0.923 U	109 U	52.1 U	0.923 U	0.923 U	9.23 U	1.85 U	0.923 U	0.923 U	0.923 U	0.923 U

Notes:
ug/m3 - micrograms per cubic meters.
E - Value exceeds calibration range.
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 the screening value.
TO - Toxic organics.
* - Soil Gas Screening Values are based on 50x the MassDEP Indoor Residential Air Threshold Values from Vapor Intrusion Guidance - Interim Draft, December 2010, which represents a conservative soil gas to indoor air dilution attenuation factor.
(1) - IATV for C9-C10 aromatics used.

Table 5
Summary of Analytical Results for Soil Samples -- 2010
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	MW-7D			MW-27	MW-28
						Sample Depth (ft.):	8-10	10-12	13-15	6-8	8-10
						Sample Date:	8/24/2010	8/24/2010	8/24/2010	8/30/2010	8/30/2010
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*					
VOCs											
(mg/kg)	Acetone	50	400	50	400	6	NA	NA	NA	0.072 U	0.10 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	NS	NS	NS	NA	NA	NA	0.00072 U	0.0010 U
	Benzene	30	30	200	200	2	NA	NA	NA	0.0014 U	0.0020 U
	Bromobenzene	NS	NS	NS	NS	100	NA	NA	NA	0.0014 U	0.0020 U
	Bromochloromethane	NS	NS	NS	NS	NS	NA	NA	NA	0.0014 U	0.0020 U
	Bromodichloromethane	0.1	20	0.1	100	0.1	NA	NA	NA	0.0014 U	0.0020 U
	Bromoform	1	200	1	800	0.1	NA	NA	NA	0.0014 U	0.0020 U
	Bromomethane	0.5	30	0.5	30	0.5	NA	NA	NA	0.0072 U	0.010 U
	2-Butanone (MEK)	50	400	50	400	4	NA	NA	NA	0.029 U	0.041 U
	n-Butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	NA	NA	NA	0.0014 U	0.0020 U
	sec-Butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	NA	NA	NA	0.0014 U	0.0020 U
	tert-Butylbenzene	100(1)	100(1)	500(1)	500(1)	100(1)	NA	NA	NA	0.0014 U	0.0020 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	NS	NS	NS	NA	NA	NA	0.00072 U	0.0010 U
	Carbon Disulfide	NS	NS	NS	NS	100	NA	NA	NA	0.0043 U	0.0061 U
	Carbon Tetrachloride	5	10	5	60	5	NA	NA	NA	0.0014 U	0.0020 U
	Chlorobenzene	3	100	3	100	1	NA	NA	NA	0.0014 U	0.0020 U
	Chlorodibromomethane	0.03	20	0.03	100	0.005	NA	NA	NA	0.00072 U	0.0010 U
	Chloroethane	NS	NS	NS	NS	100	NA	NA	NA	0.0072 U	0.010 U
	Chloroform	0.3	400	0.3	800	0.3	NA	NA	NA	0.0029 U	0.0041 U
	Chloromethane	NS	NS	NS	NS	100	NA	NA	NA	0.0072 U	0.010 U
	2-Chlorotoluene	NS	NS	NS	NS	100	NA	NA	NA	0.0014 U	0.0020 U
	4-Chlorotoluene	NS	NS	NS	NS	100	NA	NA	NA	0.0014 U	0.0020 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	10	NA	NA	NA	0.0029 U	0.0041 U
	1,2-Dibromoethane (EDB)	0.1	0.7	0.1	4	0.1	NA	NA	NA	0.00072 U	0.0010 U
	Dibromomethane	NS	NS	NS	NS	500	NA	NA	NA	0.0014 U	0.0020 U
	1,2-Dichlorobenzene	30	300	30	300	9	NA	NA	NA	0.0014 U	0.0020 U
	1,3-Dichlorobenzene	40	100	40	500	1	NA	NA	NA	0.0014 U	0.0020 U
	1,4-Dichlorobenzene	4	50	4	300	0.7	NA	NA	NA	0.0014 U	**0.0086**
	Dichlorodifluoromethane (Freon 12)	NS	NS	NS	NS	1,000	NA	NA	NA	0.0072 U	0.010 U
	1,1-Dichloroethane	5	500	5	1,000	0.4	NA	NA	NA	0.0014 U	0.0020 U
	1,2-Dichloroethane	0.1	10	0.1	90	0.1	NA	NA	NA	0.0014 U	0.0020 U
	1,1-Dichloroethylene	40	500	40	1,000	3	NA	NA	NA	0.0029 U	0.0041 U
	cis-1,2-Dichloroethylene	0.4	100	0.4	500	0.3	NA	NA	NA	**7.2**	**0.022**
	trans-1,2-Dichloroethylene	1	500	1	1,000	1	NA	NA	NA	**0.057**	**0.0025**
	1,2-Dichloropropane	0.1	10	0.1	100	0.1	NA	NA	NA	0.0014 U	0.0020 U
	1,3-Dichloropropane	NS	NS	NS	NS	500	NA	NA	NA	0.00072 U	0.0010 U
	2,2-Dichloropropane	NS	NS	NS	NS	0.1(2)	NA	NA	NA	0.0014 U	0.0020 U
	1,1-Dichloropropene	NS	NS	NS	NS	0.01(3)	NA	NA	NA	0.0014 U	0.0020 U
	cis-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	NA	NA	NA	0.00072 U	0.0010 U
	trans-1,3-Dichloropropene	0.4(4)	9(4)	0.4(4)	70(4)	0.01(4)	NA	NA	NA	0.00072 U	0.0010 U
	Diethyl Ether	NS	NS	NS	NS	100	NA	NA	NA	0.0072 U	0.010 U
	Diisopropyl Ether (DIPE)	NS	NS	NS	NS	100	NA	NA	NA	0.00072 U	0.0010 U

Table 5
Summary of Analytical Results for Soil Samples -- 2010
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	MW-7D			MW-27	MW-28
						Sample Depth (ft.):	8-10	10-12	13-15	6-8	8-10
						Sample Date:	8/24/2010	8/24/2010	8/24/2010	8/30/2010	8/30/2010
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*					
	1,4-Dioxane	6	70	6	500	0.2	NA	NA	NA	0.072 U	0.10 U
	Ethylbenzene	500	500	1000	1000	40	NA	NA	NA	**0.0015**	0.0020 U
	Hexachlorobutadiene	6	6	90	90	6	NA	NA	NA	0.0014 U	0.0020 U
	2-Hexanone (MBK)	NS	NS	NS	NS	100	NA	NA	NA	0.014 U	0.020 U
	Isopropylbenzene (Cumene)	100(1)	100(1)	500(1)	500(1)	1,000	NA	NA	NA	0.0014 U	0.0020 U
	p-Isopropyltoluene (p-Cymene)	100(1)	100(1)	500(1)	500(1)	100(1)	NA	NA	NA	0.0014 U	0.0020 U
	Methyl tert-Butyl Ether (MTBE)	100	100	100	500	0.1	NA	NA	NA	0.0029 U	0.0041 U
	Methylene Chloride	20	200	20	900	0.1	NA	NA	NA	0.0072 U	0.010 U
	4-Methyl-2-pentanone (MIBK)	50	400	50	400	0.4	NA	NA	NA	0.014 U	0.020 U
	Naphthalene	40	500	40	1000	4	NA	NA	NA	0.0029 U	0.0041 U
	n-Propylbenzene	100(1)	100(1)	500(1)	500(1)	100	NA	NA	NA	0.0014 U	0.0020 U
	Styrene	4	30	4	200	3	NA	NA	NA	0.0014 U	**0.0064**
	1,1,1,2-Tetrachloroethane	0.1	7	0.1	100	0.1	NA	NA	NA	0.0014 U	0.0020 U
	1,1,2,2-Tetrachloroethane	0.02	0.8	0.02	10	0.005	NA	NA	NA	0.00072 U	0.0010 U
	Tetrachloroethylene	10	30	10	200	1	NA	NA	NA	0.0014 U	0.0020 U
	Tetrahydrofuran	NS	NS	NS	NS	500	NA	NA	NA	0.0072 U	0.010 U
	Toluene	500	500	1,000	1,000	30	NA	NA	NA	0.0014 U	0.0020 U
	1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	NA	NA	NA	0.0029 U	**0.0075**
	1,2,4-Trichlorobenzene	70	500	70	900	2	NA	NA	NA	**0.0017**	**0.034**
	1,1,1-Trichloroethane	500	500	600	1,000	30	NA	NA	NA	0.0014 U	0.0020 U
	1,1,2-Trichloroethane	2	4	2	60	0.1	NA	NA	NA	0.0014 U	0.0020 U
	Trichloroethylene	2	90	2	700	0.3	NA	NA	NA	**110**	**2.4**
	Trichlorofluoromethane (Freon 11)	NS	NS	NS	NS	1,000	NA	NA	NA	0.0072 U	0.010 U
	1,2,3-Trichloropropane	NS	NS	NS	NS	100	NA	NA	NA	0.0014 U	0.0020 U
	1,2,4-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	NA	NA	NA	0.0014 U	0.0020 U
	1,3,5-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	10	NA	NA	NA	0.0014 U	0.0020 U
	Vinyl Chloride	0.6	0.6	0.7	4	0.6	NA	NA	NA	0.0072 U	0.010 U
	m+p Xylene	300	500	300	1000	300	NA	NA	NA	0.0029 U	0.0041 U
	o-Xylene	300	500	300	1000	300	NA	NA	NA	0.0014 U	0.0020 U
Total Organic Carbons											
(%)	Total Organic Carbon	N/A	N/A	N/A	N/A	N/A	**4.4**	**23.9**	**0.352**	NA	**0.101**

Notes:

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

NA - Sample not analyzed for the listed analyte.

N/A - Not applicable.

NS - No MassDEP standards exist for this analyte.

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.

RC - Reportable concentration.

* - For reference purposes only.

Table 6
Summary of Analytical Results for Groundwater Grab Samples -- April 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		MW-27R		VAC TRUCK
			Sample Date:	4/5/2011	4/25/2011	4/25/2011
		GW-2	GW-3			
VOCs						
(ug/L)	Methylene Chloride	10,000	50,000	1,000 U	800 U	50 U
	1,1-Dichloroethane	1,000	20,000	500 U	400 U	25 U
	Chloroform	50	20,000	500 U	400 U	25 U
	Carbon Tetrachloride	2	5,000	500 U	400 U	25 U
	1,2-Dichloropropane	3	50,000	500 U	400 U	25 U
	Chlorodibromomethane	20	50,000	500 U	400 U	25 U
	1,1,2-Trichloroethane	900	50,000	500 U	400 U	25 U
	Tetrachloroethylene	50	30,000	500 U	400 U	25 U
	Chlorobenzene	200	1,000	500 U	400 U	25 U
	Trichlorofluoromethane (Freon 11)	NS	NS	1,000 U	800 U	50 U
	1,2-Dichloroethane	5	20,000	500 U	400 U	25 U
	1,1,1-Trichloroethane	4,000	20,000	500 U	400 U	25 U
	Bromodichloromethane	6	50,000	500 U	400 U	25 U
	trans-1,3-Dichloropropene	10[(2)]	200[(2)]	250 U	200 U	12 U
	cis-1,3-Dichloropropene	10[(2)]	200[(2)]	250 U	200 U	12 U
	1,1-Dichloropropene	NS	NS	1,000 U	800 U	50 U
	Bromoform	700	50,000	1,000 U	800 U	50 U
	1,1,2,2-Tetrachloroethane	9	50,000	500 U	400 U	25 U
	Benzene	2,000	10,000	500 U	400 U	25 U
	Toluene	50,000	40,000	500 U	400 U	25 U
	Ethylbenzene	20,000	5,000	500 U	400 U	25 U
	Chloromethane	NS	NS	1,000 U	800 U	50 U
	Bromomethane	7	800	1,000 U	800 U	50 U
	Vinyl Chloride	2	50,000	500 U	400 U	25 U
	Chloroethane	NS	NS	1,000 U	800 U	50 U
	1,1-Dichloroethylene	80	30,000	500 U	400 U	25 U
	trans-1,2-Dichloroethylene	90	50,000	500 U	**910**	25 U
	Trichloroethylene	30	5,000	**35,000**	**29,000**	**1,600**
	1,2-Dichlorobenzene	2,000	2,000	500 U	400 U	25 U
	1,3-Dichlorobenzene	2,000	50,000	500 U	400 U	25 U
	1,4-Dichlorobenzene	200	8,000	500 U	400 U	25 U
	Methyl tert-Butyl Ether (MTBE)	50,000	50,000	1,000 U	800 U	50 U
	m+p Xylene	9,000	5,000	1,000 U	800 U	50 U
	o-Xylene	9,000	5,000	500 U	400 U	25 U
	cis-1,2-Dichloroethylene	100	50,000	**1,800**	**3,400**	**89**
	Dibromomethane	NS	NS	1,000 U	800 U	50 U
	1,2,3-Trichloropropane	NS	NS	1,000 U	800 U	50 U
	Styrene	100	6,000	500 U	400 U	25 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	1,000 U	800 U	50 U
	Acetone	50,000	50,000	2,500 U	2,000 U	120 U
	Carbon Disulfide	NS	NS	1,000 U	800 U	50 U
	2-Butanone (MEK)	50,000	50,000	2,500 U	2,000 U	120 U
	4-Methyl-2-pentanone (MIBK)	50,000	50,000	2,500 U	2,000 U	120 U
	2-Hexanone (MBK)	NS	NS	2,500 U	2,000 U	120 U
	Bromochloromethane	NS	NS	1,000 U	800 U	50 U

Table 6
Summary of Analytical Results for Groundwater Grab Samples -- April 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		MW-27R		VAC TRUCK
		Sample Date:		4/5/2011	4/25/2011	4/25/2011
		GW-2	GW-3			
	Tetrahydrofuran	NS	NS	2,500 U	2,000 U	120 U
	2,2-Dichloropropane	NS	NS	1,000 U	800 U	50 U
	1,2-Dibromoethane (EDB)	2	50,000	1,000 U	800 U	50 U
	1,3-Dichloropropane	NS	NS	1,000 U	800 U	50 U
	1,1,1,2-Tetrachloroethane	10	50,000	500 U	400 U	25 U
	Bromobenzene	NS	NS	1,000 U	800 U	50 U
	n-Butylbenzene	7,000(1)	50,000(1)	1,000 U	800 U	50 U
	sec-Butylbenzene	7,000(1)	50,000(1)	1,000 U	800 U	50 U
	tert-Butylbenzene	7,000(1)	50,000(1)	1,000 U	800 U	50 U
	2-Chlorotoluene	NS	NS	1,000 U	800 U	50 U
	4-Chlorotoluene	NS	NS	1,000 U	800 U	50 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	1,000 U	800 U	50 U
	Hexachlorobutadiene	1	3,000	300 U	240 U	15 U
	Isopropylbenzene (Cumene)	7,000(1)	50,000(1)	1,000 U	800 U	50 U
	p-Isopropyltoluene (p-Cymene)	7,000(1)	50,000(1)	1,000 U	800 U	50 U
	Naphthalene	1,000	20,000	1,000 U	800 U	50 U
	n-Propylbenzene	7,000(1)	50,000(1)	1,000 U	800 U	50 U
	1,2,3-Trichlorobenzene	NS	NS	1,000 U	800 U	50 U
	1,2,4-Trichlorobenzene	2,000	50,000	1,000 U	800 U	50 U
	1,3,5-Trimethylbenzene	7,000(1)	50,000(1)	1,000 U	800 U	50 U
	1,2,4-Trimethylbenzene	7,000(1)	50,000(1)	1,000 U	800 U	50 U
	Diethyl Ether	NS	NS	1,000 U	800 U	50 U
	Diisopropyl Ether (DIPE)	NS	NS	1,000 U	800 U	50 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	1,000 U	800 U	50 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	1,000 U	800 U	50 U
	1,4-Dioxane	6,000	50,000	120,000 U	100,000 U	6,200 U

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.

Table 7
Summary of Analytical Results for Sand Trap Samples -- February 2010 and April 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		HS-ST-1	SAND TRAP	
		Sample Date:		2/3/2010	4/11/2011	4/28/2011
		GW-2	GW-3			
VOCs						
(ug/L)	Methylene Chloride	10,000	50,000	5.0 U	2.0 U	2.0 U
	1,1-Dichloroethane	1,000	20,000	1.0 U	1.0 U	1.0 U
	Chloroform	50	20,000	2.0 U	1.0 U	1.0 U
	Carbon Tetrachloride	2	5,000	5.0 U	1.0 U	1.0 U
	1,2-Dichloropropane	3	50,000	1.0 U	1.0 U	1.0 U
	Chlorodibromomethane	20	50,000	5.0 U	1.0 U	1.0 U
	1,1,2-Trichloroethane	900	50,000	1.0 U	1.0 U	1.0 U
	Tetrachloroethylene	50	30,000	1.0 U	1.0 U	1.0 U
	Chlorobenzene	200	1,000	1.0 U	1.0 U	1.0 U
	Trichlorofluoromethane (Freon 11)	NS	NS	2.0 U	2.0 U	2.0 U
	1,2-Dichloroethane	5	20,000	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
	Bromodichloromethane	6	50,000	5.0 U	1.0 U	1.0 U
	trans-1,3-Dichloropropene	10(2)	200(2)	5.0 U	0.50 U	0.50 U
	cis-1,3-Dichloropropene	10(2)	200(2)	1.0 U	0.50 U	0.50 U
	1,1-Dichloropropene	NS	NS	2.0 U	2.0 U	2.0 U
	Bromoform	700	50,000	5.0 U	2.0 U	2.0 U
	1,1,2,2-Tetrachloroethane	9	50,000	0.50 U	1.0 U	1.0 U
	Benzene	2,000	10,000	1.0 U	1.0 U	1.0 U
	Toluene	50,000	40,000	1.0 U	1.0 U	1.0 U
	Ethylbenzene	20,000	5,000	1.0 U	1.0 U	1.0 U
	Chloromethane	NS	NS	2.0 U	2.0 U	2.0 U
	Bromomethane	7	800	2.0 U	2.0 U	2.0 U
	Vinyl Chloride	2	50,000	2.0 U	1.0 U	1.0 U
	Chloroethane	NS	NS	2.0 U	2.0 U	2.0 U
	1,1-Dichloroethylene	80	30,000	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
	Trichloroethylene	30	5,000	1.0 U	**14**	**22**
	1,2-Dichlorobenzene	2,000	2,000	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
	1,4-Dichlorobenzene	200	8,000	1.0 U	1.0 U	1.0 U
	Methyl tert-Butyl Ether (MTBE)	50,000	50,000	1.0 U	2.0 U	2.0 U
	m+p Xylene	9,000	5,000	2.0 U	2.0 U	2.0 U
	o-Xylene	9,000	5,000	1.0 U	1.0 U	1.0 U
	cis-1,2-Dichloroethylene	100	50,000	1.0 U	1.0 U	**1.2**
	Dibromomethane	NS	NS	1.0 U	2.0 U	2.0 U
	1,2,3-Trichloropropane	NS	NS	2.0 U	2.0 U	2.0 U
	Styrene	100	6,000	1.0 U	1.0 U	1.0 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	2.0 U	2.0 U	2.0 U
	Acetone	50,000	50,000	100 U	5.0 U	5.0 U
	Carbon Disulfide	NS	NS	50 U	2.0 U	2.0 U
	2-Butanone (MEK)	50,000	50,000	20 U	5.0 U	5.0 U
	4-Methyl-2-pentanone (MIBK)	50,000	50,000	10 U	5.0 U	5.0 U

Table 7
Summary of Analytical Results for Sand Trap Samples -- February 2010 and April 2011
New Bedford High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		HS-ST-1	SAND TRAP	
		Sample Date:		2/3/2010	4/11/2011	4/28/2011
		GW-2	GW-3			
	2-Hexanone (MBK)	NS	NS	10 U	5.0 U	5.0 U
	Bromochloromethane	NS	NS	1.0 U	2.0 U	2.0 U
	Tetrahydrofuran	NS	NS	10 U	5.0 U	5.0 U
	2,2-Dichloropropane	NS	NS	1.0 U	2.0 U	2.0 U
	1,2-Dibromoethane (EDB)	2	50,000	0.50 U	2.0 U	2.0 U
	1,3-Dichloropropane	NS	NS	0.50 U	2.0 U	2.0 U
	1,1,1,2-Tetrachloroethane	10	50,000	5.0 U	1.0 U	1.0 U
	Bromobenzene	NS	NS	1.0 U	2.0 U	2.0 U
	n-Butylbenzene	7,000(1)	50,000(1)	1.0 U	2.0 U	2.0 U
	sec-Butylbenzene	7,000(1)	50,000(1)	1.0 U	2.0 U	2.0 U
	tert-Butylbenzene	7,000(1)	50,000(1)	1.0 U	2.0 U	2.0 U
	2-Chlorotoluene	NS	NS	1.0 U	2.0 U	2.0 U
	4-Chlorotoluene	NS	NS	1.0 U	2.0 U	2.0 U
	1,2-Dibromo-3-chloropropane (DBCP	NS	NS	5.0 U	2.0 U	2.0 U
	Hexachlorobutadiene	1	3,000	1.0 U	0.60 U	0.60 U
	Isopropylbenzene (Cumene)	7,000(1)	50,000(1)	1.0 U	2.0 U	2.0 U
	p-Isopropyltoluene (p-Cymene)	7,000(1)	50,000(1)	1.0 U	2.0 U	2.0 U
	Naphthalene	1,000	20,000	5.0 U	2.0 U	2.0 U
	n-Propylbenzene	7,000(1)	50,000(1)	1.0 U	2.0 U	2.0 U
	1,2,3-Trichlorobenzene	NS	NS	5.0 U	2.0 U	2.0 U
	1,2,4-Trichlorobenzene	2,000	50,000	1.0 U	2.0 U	2.0 U
	1,3,5-Trimethylbenzene	7,000(1)	50,000(1)	1.0 U	2.0 U	2.0 U
	1,2,4-Trimethylbenzene	7,000(1)	50,000(1)	1.0 U	2.0 U	2.0 U
	Diethyl Ether	NS	NS	2.0 U	2.0 U	2.0 U
	Diisopropyl Ether (DIPE)	NS	NS	20 U	2.0 U	2.0 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	0.50 U	2.0 U	2.0 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	0.50 U	2.0 U	2.0 U
	1,4-Dioxane	6,000	50,000	50 U	250 U	250 U

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.

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.

Table 8
Groundwater Elevations
New Bedford High School
New Bedford, Massachusetts

Well Location	Ground/Floor Elevation	Reference Elevation [1]	February 2010			April 2010			May 2010			September 2010			January 2011		
			Gauging Date	Depth to Water [2]	Groundwater Elevation	Gauging Date	Depth to Water [2]	Groundwater Elevation	Gauging Date	Depth to Water [2]	Groundwater Elevation	Gauging Date	Depth to Water [2]	Groundwater Elevation	Gauging Date	Depth to Water [2]	Groundwater Elevation
MW-4 [4]	84.68	84.53	2/17/2010	1.97	82.56	4/9/2010	0.89	83.64	5/17/2010	2.20	82.33	9/7/2010	3.90	80.63	1/20/2011	2.42	82.11
MW-5 [4]	84.71	84.55	2/17/2010	1.95	82.60	4/7/2010	1.43	83.12	5/17/2010	2.02	82.53	9/7/2010	3.73	80.82	1/20/2011	2.23	82.32
MW-5D	84.26	83.98	NA	NA	NA	NA	NA	NA	NA	NA	NA	9/7/2010	3.15	80.83	NM	NM	NM
MW-6 [3]	84.74	84.52	2/17/2010	1.54	83.05	4/9/2010	0.67	83.92	5/17/2010	1.70	82.82	9/7/2010	3.47	81.12	1/20/2011	1.90	82.62
MW-7	91.38	91.10	2/17/2010	8.67	82.43	4/7/2010	7.14	83.96	5/17/2010	8.85	82.25	9/7/2010	10.64	80.46	1/20/2011	9.18	81.92
MW-7D	91.30	90.85	NA	NA	NA	NA	NA	NA	NA	NA	NA	9/7/2010	10.57	80.28	1/20/2011	NA	NM
MW-8A [4]	89.57	89.35	2/17/2010	4.11	85.24	4/7/2010	2.56	86.79	5/17/2010	4.48	84.87	9/7/2010	5.97	83.38	NM	NM	NM
MW-8B [4]	89.59	89.50	NM	NM	NM	4/7/2010	2.71	86.79	5/17/2010	4.60	84.90	9/7/2010	6.12	83.38	NM	NM	NM
MW-11	83.97	83.86	2/17/2010	0.29	83.57	4/7/2010	0.00	83.86	5/17/2010	1.47	82.39	9/7/2010	3.14	80.72	1/20/2011	1.62	82.24
MW-12	89.70	89.37	2/17/2010	6.39	82.98	4/7/2010	5.06	84.31	5/17/2010	6.56	82.81	9/7/2010	8.40	80.97	1/20/2011	6.95	82.42
MW-13	84.23	83.86	2/17/2010	0.90	82.97	4/7/2010	0.12	83.75	5/17/2010	1.10	82.76	9/7/2010	2.82	81.04	1/20/2011	1.17	82.69
MW-14	84.02	83.64	2/17/2010	0.48	83.16	4/7/2010	0.08	83.56	5/17/2010	0.67	82.97	9/7/2010	2.37	81.27	1/20/2011	0.81	82.83
MW-15	89.46	89.23	2/17/2010	5.94	83.29	4/7/2010	5.28	83.95	5/17/2010	6.11	83.12	9/7/2010	7.80	81.43	NM	NM	NM
MW-16	84.12	83.85	2/19/2010	1.00	82.85	4/7/2010	1.06	82.79	5/17/2010	0.86	82.99	9/7/2010	2.85	81.00	1/20/2011	1.18	82.67
MW-17	89.88	89.66	2/17/2010	6.71	82.96	4/7/2010	5.86	83.81	5/17/2010	6.88	82.78	9/7/2010	8.65	81.01	1/20/2011	7.17	82.49
MW-18	84.28	84.09	2/17/2010	0.36	83.73	4/7/2010	0.85	83.24	5/17/2010	1.50	82.59	9/7/2010	3.20	80.89	1/20/2011	1.55	82.54
MW-19	88.76	88.58	2/17/2010	6.26	82.32	4/7/2010	4.59	83.99	5/17/2010	6.50	82.08	9/7/2010	8.57	80.01	1/20/2011	6.94	81.64
MW-20	95.78	95.40	NA	NA	NA	4/7/2010	12.12	83.28	5/17/2010	13.52	81.88	9/7/2010	15.10	80.30	1/20/2011	13.73	81.67
MW-21	92.56	92.22	NA	NA	NA	4/7/2010	8.27	83.95	5/17/2010	9.71	82.51	9/7/2010	11.55	80.67	1/20/2011	10.19	82.03
MW-22	90.85	90.46	NA	NA	NA	4/7/2010	6.43	84.03	5/17/2010	8.03	82.43	9/7/2010	9.85	80.61	1/20/2011	5.42	85.04
MW-23	89.42	89.12	NA	NA	NA	4/7/2010	5.21	83.91	5/17/2010	7.21	81.91	9/7/2010	8.79	80.33	1/20/2011	7.30	81.82
MW-24	89.21	88.75	NA	NA	NA	4/7/2010	5.27	83.48	5/17/2010	7.91	80.84	9/7/2010	9.20	79.55	1/20/2011	7.88	80.87
MW-25	87.53	87.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	9/7/2010	8.11	79.17	1/20/2011	6.80	80.48
MW-26	86.47	86.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	9/7/2010	7.05	79.05	1/20/2011	5.67	80.43
MW-27	84.66	84.44	NA	NA	NA	NA	NA	NA	NA	NA	NA	9/7/2010	3.66	80.78	1/20/2011	2.20	82.24
MW-27D	84.66	84.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1/20/2011	2.06	82.34
MW-27R	84.68	84.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1/20/2011	2.02	82.27
MW-28 [4]	84.70	84.56	NA	NA	NA	NA	NA	NA	NA	NA	NA	9/7/2010	3.75	80.81	1/20/2011	2.24	82.32
MW-29 [4]	84.71	84.54	NA	NA	NA	NA	NA	NA	NA	NA	NA	9/7/2010	3.43	81.11	1/20/2011	2.72	81.82
MW-30	89.62	89.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1/20/2011	7.91	81.37
MW-31 [4]	84.70	84.55	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1/20/2011	2.30	82.25
MW-32 [4]	84.67	84.52	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1/20/2011	2.29	82.23
MW-33 [5]	84.73	84.59	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1/20/2011	2.32	82.27
MW-HH-13	88.17	87.85	2/18/2010	4.35	83.50	4/7/2010	3.52	84.33	5/17/2010	4.48	83.37	9/7/2010	6.16	81.69	1/20/2011	4.61	83.24
MW-HRC-33	86.26	86.09	2/17/2010	3.88	82.21	4/7/2010	2.65	83.44	5/17/2010	4.41	81.68	9/7/2010	4.71	81.38	1/20/2011	3.78	82.31

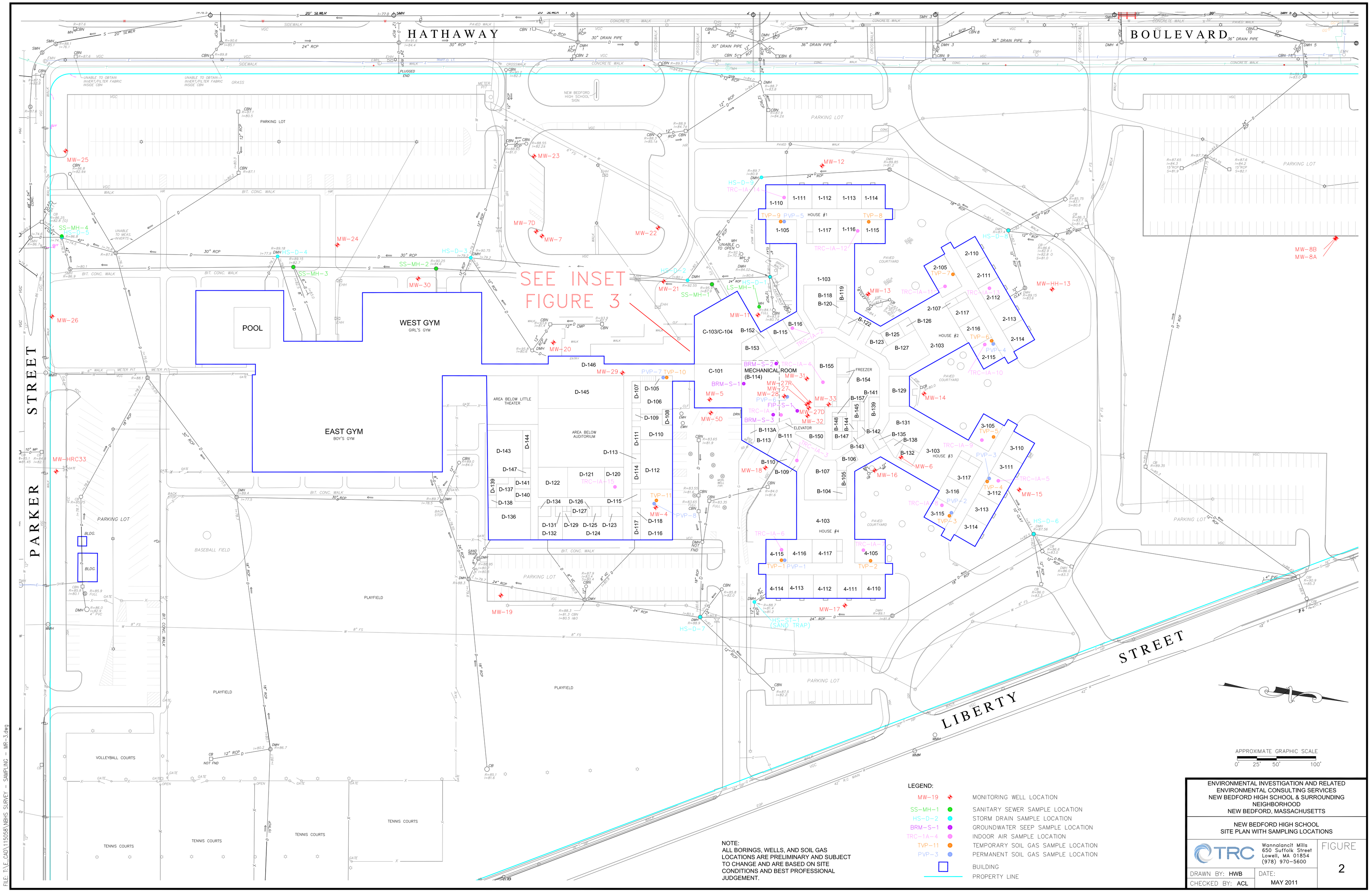
NOTES:
(1) - Survey of top of PVC riser.
(2) - Measure from top of PVC riser.
(3) - Approximate riser elevation (no survey data available) measured to be 0.22-feet below floor elevation.
(4) - 1-inch diameter monitoring well.
(5) - Approximate floor elevation based on nearby floor elevations and approximate riser elevation measured to be 0.14-feet below floor elevation (no survey data available for 1-inch diameter well).
NM - Not measured.
NA - Not available.

FIGURES

FIGURE 1

SITE AERIAL PHOTOGRAPH
New Bedford High School
NEW BEDFORD, MASSACHUSETTS

R:\Projects\GIS_2007\54634_NBedford\FIG1_NEWBEDHSCH_REV031710.mxd



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
TRC-1A-4	INDOOR AIR SAMPLE LOCATION
TVP-11	TEMPORARY SOIL GAS SAMPLE LOCATION
PVP-3	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

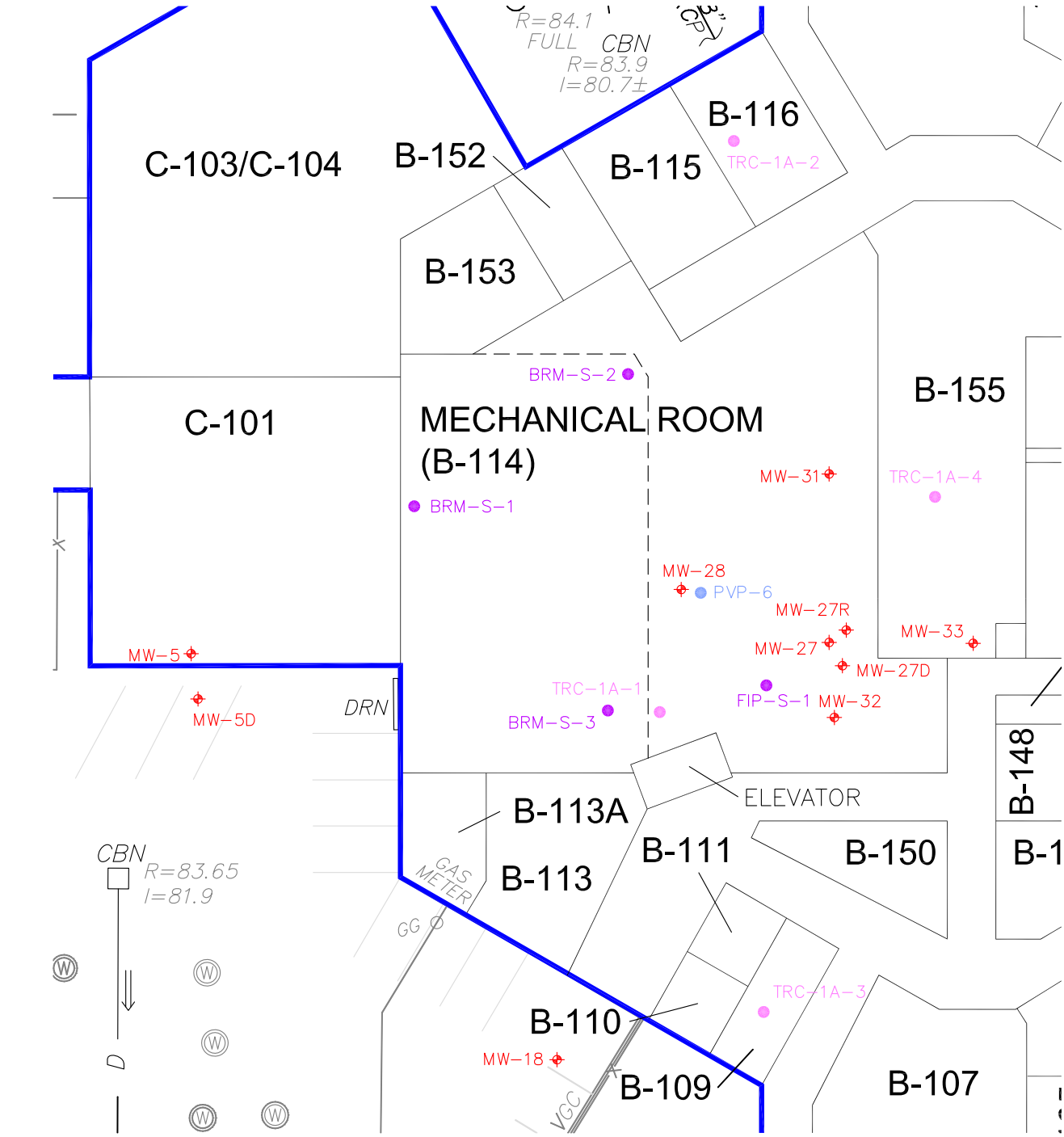
NEW BEDFORD HIGH SCHOOL
SITE PLAN WITH SAMPLING LOCATIONS

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

FIGURE 2

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

FILE: T:\E_CAD\115058\NBHS SURVEY - SAMPLING - MR-3.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

APPROXIMATE GRAPHIC SCALE

0' 30' 60'

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

NEW BEDFORD HIGH SCHOOL

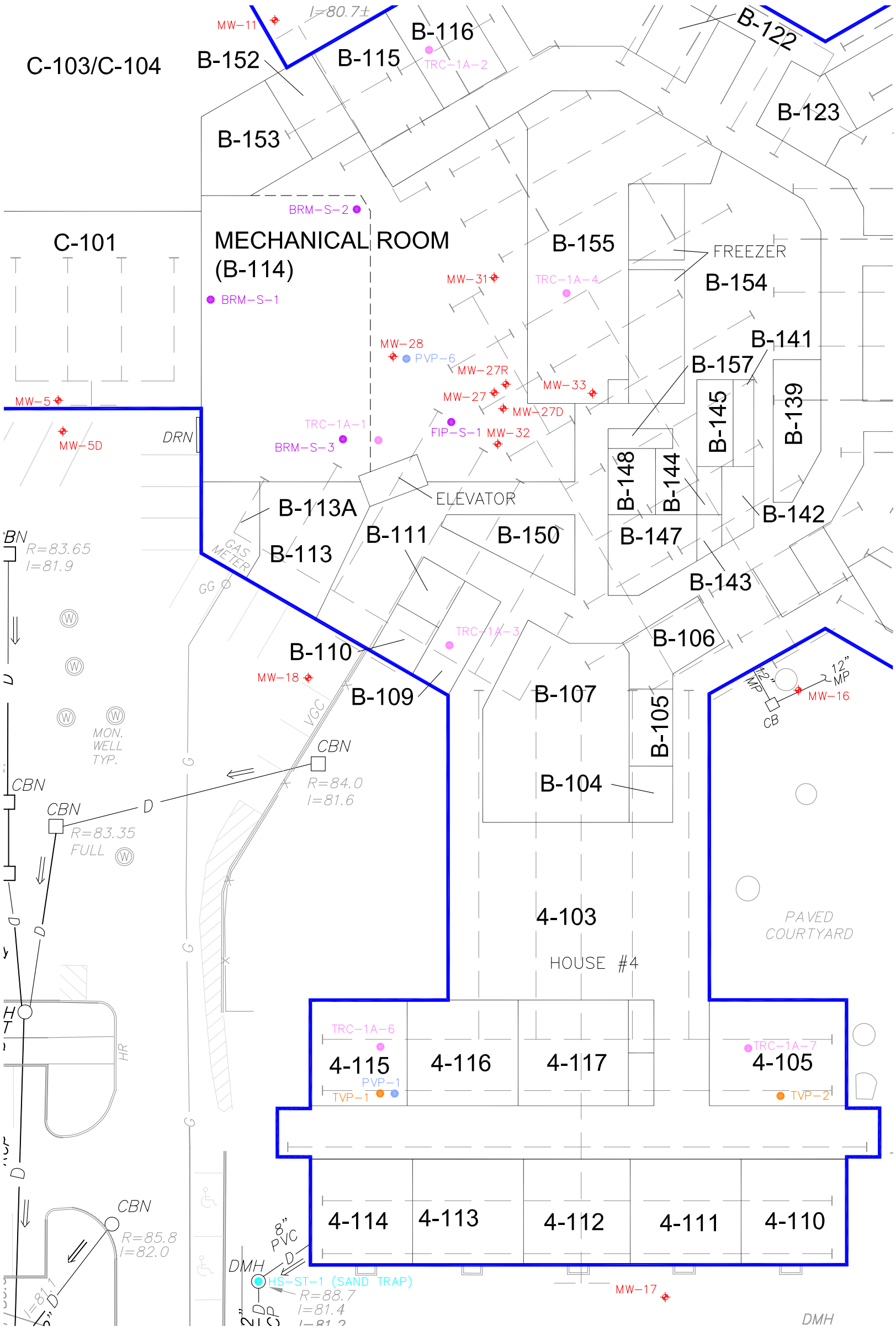
DETAIL OF SITE PLAN IN VICINITY OF MECHANICAL ROOM

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

FIGURE 3

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

FILE: T:\E_CAD\115058\NBHS SURVEY - SAMPLING - MR-3.dwg



LEGEND:

MW-19	MONITORING WELL LOCATION (SELECT INTERIOR LOCATIONS APPROXIMATE)
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
4-114	INTERIOR ROOM AND DESIGNATION
	APPROXIMATE UNDERDRAIN

NOTE:
UNDERDRAIN INFORMATION FROM "SITE UTILITIES PLAN, NEW BEDFORD HIGH SCHOOL" BY OWEN F. HACKETT, JR. ASSOCIATES ARCHITECTS.

APPROXIMATE GRAPHIC SCALE
0' 30' 60'

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

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

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

FIGURE 4

FILE: T:\E_CAD\115058\NBHS SURVEY - SAMPLING - MR-3.dwg

LEGEND:

82.5	GROUNDWATER CONTOUR, DASHED WHERE INFERRED
MW-5 (82.32)	MONITORING WELL (GROUNDWATER ELEVATION JANUARY 20,2011)
MW-22 (85.04)*	(ANOMALOUS WATER LEVEL ELEVATION NOT USED IN CONTOURING)
MW-15 NS	(WELL NOT SAMPLED)
	PROPERTY LINE

NOTE:
ALL MONITORING WELL LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE AND ARE BASED ON SITE CONDITIONS AND BEST PROFESSIONAL JUDGEMENT.

APPROXIMATE GRAPHIC SCALE
0' 50' 100' 200'

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

ESTIMATED GROUNDWATER CONTOUR MAP (JANUARY 20, 2011)

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

FIGURE 5

DRAWN BY: HWB
CHECKED BY: JBS
DATE: MARCH 2011

FILE: T:\E_CAD\115058\PROJECT GW NW 4-12-11.dwg

APPENDIX A

LABORATORY DATA REPORTS

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

April 8, 2011

David Sullivan
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: City of New Bedford
Client Job Number:
Project Number: 115058
Laboratory Work Order Number: 10I0004

Enclosed are results of analyses for samples received by the laboratory on August 31, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: David Sullivan

REPORT DATE: 4/8/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 115058

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10I0004

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: City of New Bedford

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-27 (6-8)	10I0004-01	Soil		SM 2540G	
				SW-846 8260B	
MW-28 (8-10)	10I0004-02	Soil		SM 2540G	
				SW 846 9060	MA M-MA-086/CT PH-0574/NY11148
				SW-846 8260B	
MW-27	10I0004-03	Product/Solid		SW-846 8260B	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

REVISED REPORT - 04/08/2011 - J flags and TICs reported for sample -03 per clients request.

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8260B

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Bromomethane, Chloroethane

10I0004-03[MW-27], B018744-BLK1, B018744-BS1, B018744-BSD1

Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.

Analyte & Samples(s) Qualified:

Bromomethane, Chloromethane, Dichlorodifluoromethane (Freon 12)

B018595-BS1, B018595-BSD1, B018666-BS1, B018666-BSD1, B018744-BS1, B018744-BSD1

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

Analyte & Samples(s) Qualified:

Chloroethane, Tetrahydrofuran

10I0004-03[MW-27], B018744-BLK1, B018744-BS1, B018744-BSD1, 10I0004-02[MW-28 (8-10)], B018666-BLK1, B018666-BS1, B018666-BSD1

Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

10I0004-03[MW-27]

Surrogate was diluted below its calibration range due to elevated levels of target analytes.

Analyte & Samples(s) Qualified:

1,2-Dichloroethane-d4, 4-Bromofluorobenzene, Toluene-d8

10I0004-01RE1[MW-27 (6-8)], 10I0004-03[MW-27], 10I0004-03RE1[MW-27]

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane (DBCP), 2-Butanone (MEK), 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Naphthalene, Tetrahydrofuran

10I0004-01[MW-27 (6-8)], 10I0004-03[MW-27], B018595-BLK1, B018595-BS1, B018595-BSD1, B018744-BLK1, B018744-BS1, B018744-BSD1

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

Bromomethane, Chloromethane, Trichlorofluoromethane (Freon 11)

B018595-BS1, B018595-BSD1, B018666-BS1, B018666-BSD1, B018744-BS1, B018744-BSD1

Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

Analyte & Samples(s) Qualified:

1,4-Dioxane, 2-Butanone (MEK), Acetone, Tetrahydrofuran

10I0004-01[MW-27 (6-8)], 10I0004-02[MW-28 (8-10)], 10I0004-03[MW-27], B018595-BLK1, B018595-BS1, B018595-BSD1, B018666-BLK1, B018666-BS1, B018666-BSD1, B018744-BLK1, B018744-BS1, B018744-BSD1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8260B

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for “difficult analytes” where recovery control limits of 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, chloromethane, dichlorodifluoromethane, 2-hexanone, and bromomethane.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City of New Bedford | Sample Description: | Work Order: 10I0004

Date Received: 8/31/2010

Field Sample #: MW-27 (6-8) | Sampled: 8/30/2010 13:40

Sample ID: 10I0004-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.072		mg/Kg dry	1	V-16	SW-846 8260B	9/1/10	9/1/10 14:56	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Benzene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Bromobenzene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Bromochloromethane	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Bromodichloromethane	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Bromoform	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Bromomethane	ND	0.0072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
2-Butanone (MEK)	ND	0.029		mg/Kg dry	1	V-16	SW-846 8260B	9/1/10	9/1/10 14:56	MFF
n-Butylbenzene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
sec-Butylbenzene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
tert-Butylbenzene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Carbon Disulfide	ND	0.0043		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Carbon Tetrachloride	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Chlorobenzene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Chlorodibromomethane	ND	0.00072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Chloroethane	ND	0.0072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Chloroform	ND	0.0029		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Chloromethane	ND	0.0072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
2-Chlorotoluene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
4-Chlorotoluene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0029		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,2-Dibromoethane (EDB)	ND	0.00072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Dibromomethane	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,2-Dichlorobenzene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,3-Dichlorobenzene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,4-Dichlorobenzene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.0072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,1-Dichloroethane	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,2-Dichloroethane	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,1-Dichloroethylene	ND	0.0029		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
cis-1,2-Dichloroethylene	7.2	0.049		mg/Kg dry	1		SW-846 8260B	9/3/10	9/3/10 15:25	LBD
trans-1,2-Dichloroethylene	0.057	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,2-Dichloropropane	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,3-Dichloropropane	ND	0.00072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
2,2-Dichloropropane	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,1-Dichloropropene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
cis-1,3-Dichloropropene	ND	0.00072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
trans-1,3-Dichloropropene	ND	0.00072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Diethyl Ether	ND	0.0072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Diisopropyl Ether (DIPE)	ND	0.00072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,4-Dioxane	ND	0.072		mg/Kg dry	1	V-16	SW-846 8260B	9/1/10	9/1/10 14:56	MFF

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City of New Bedford | Sample Description: | Work Order: 10I0004

Date Received: 8/31/2010

Field Sample #: MW-27 (6-8) | Sampled: 8/30/2010 13:40

Sample ID: 10I0004-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	0.0015	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Hexachlorobutadiene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
2-Hexanone (MBK)	ND	0.014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Isopropylbenzene (Cumene)	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0029		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Methylene Chloride	ND	0.0072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Naphthalene	ND	0.0029		mg/Kg dry	1	V-05	SW-846 8260B	9/1/10	9/1/10 14:56	MFF
n-Propylbenzene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Styrene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,1,1,2-Tetrachloroethane	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,1,2,2-Tetrachloroethane	ND	0.00072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Tetrachloroethylene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Tetrahydrofuran	ND	0.0072		mg/Kg dry	1	V-16	SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Toluene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,2,3-Trichlorobenzene	ND	0.0029		mg/Kg dry	1	V-05	SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,2,4-Trichlorobenzene	0.0017	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,1,1-Trichloroethane	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,1,2-Trichloroethane	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Trichloroethylene	110	4.9		mg/Kg dry	100		SW-846 8260B	9/7/10	9/7/10 13:49	LBD
Trichlorofluoromethane (Freon 11)	ND	0.0072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,2,3-Trichloropropane	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,2,4-Trimethylbenzene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
1,3,5-Trimethylbenzene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
Vinyl Chloride	ND	0.0072		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
m+p Xylene	ND	0.0029		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF
o-Xylene	ND	0.0014		mg/Kg dry	1		SW-846 8260B	9/1/10	9/1/10 14:56	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	*	70-130	S-21	9/7/10 13:49
1,2-Dichloroethane-d4	100	70-130		9/3/10 15:25
1,2-Dichloroethane-d4	103	70-130		9/1/10 14:56
Toluene-d8	96.6	70-130		9/1/10 14:56
Toluene-d8	*	70-130	S-21	9/7/10 13:49
Toluene-d8	94.7	70-130		9/3/10 15:25
4-Bromofluorobenzene	*	70-130	S-21	9/7/10 13:49
4-Bromofluorobenzene	87.2	70-130		9/3/10 15:25
4-Bromofluorobenzene	96.8	70-130		9/1/10 14:56

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City of New Bedford
Sample Description:
Work Order: 10I0004

Date Received: 8/31/2010

Field Sample #: MW-27 (6-8)
Sampled: 8/30/2010 13:40

Sample ID: 10I0004-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.9		% Wt	1		SM 2540G	9/2/10	9/2/10 14:54	FWD

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City of New Bedford | Sample Description: | Work Order: 10I0004

Date Received: 8/31/2010

Field Sample #: MW-28 (8-10) | Sampled: 8/30/2010 14:45

Sample ID: 10I0004-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10		mg/Kg dry	1	V-16	SW-846 8260B	9/2/10	9/2/10 19:18	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Benzene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Bromobenzene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Bromochloromethane	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Bromodichloromethane	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Bromoform	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Bromomethane	ND	0.010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
2-Butanone (MEK)	ND	0.041		mg/Kg dry	1	V-16	SW-846 8260B	9/2/10	9/2/10 19:18	MFF
n-Butylbenzene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
sec-Butylbenzene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
tert-Butylbenzene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Carbon Disulfide	ND	0.0061		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Carbon Tetrachloride	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Chlorobenzene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Chlorodibromomethane	ND	0.0010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Chloroethane	ND	0.010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Chloroform	ND	0.0041		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Chloromethane	ND	0.010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
2-Chlorotoluene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
4-Chlorotoluene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0041		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,2-Dibromoethane (EDB)	ND	0.0010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Dibromomethane	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,2-Dichlorobenzene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,3-Dichlorobenzene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,4-Dichlorobenzene	0.0086	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,1-Dichloroethane	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,2-Dichloroethane	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,1-Dichloroethylene	ND	0.0041		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
cis-1,2-Dichloroethylene	0.022	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
trans-1,2-Dichloroethylene	0.0025	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,2-Dichloropropane	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,3-Dichloropropane	ND	0.0010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
2,2-Dichloropropane	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,1-Dichloropropene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
cis-1,3-Dichloropropene	ND	0.0010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
trans-1,3-Dichloropropene	ND	0.0010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Diethyl Ether	ND	0.010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Diisopropyl Ether (DIPE)	ND	0.0010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,4-Dioxane	ND	0.10		mg/Kg dry	1	V-16	SW-846 8260B	9/2/10	9/2/10 19:18	MFF

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City of New Bedford | Sample Description: | Work Order: 10I0004

Date Received: 8/31/2010

Field Sample #: MW-28 (8-10) | Sampled: 8/30/2010 14:45

Sample ID: 10I0004-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Hexachlorobutadiene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
2-Hexanone (MBK)	ND	0.020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Isopropylbenzene (Cumene)	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0041		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Methylene Chloride	ND	0.010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Naphthalene	ND	0.0041		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
n-Propylbenzene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Styrene	0.0064	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Tetrachloroethylene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Tetrahydrofuran	ND	0.010		mg/Kg dry	1	R-05, V-16	SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Toluene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,2,3-Trichlorobenzene	0.0075	0.0041		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,2,4-Trichlorobenzene	0.034	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,1,1-Trichloroethane	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,1,2-Trichloroethane	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Trichloroethylene	2.4	0.65		mg/Kg dry	10		SW-846 8260B	9/3/10	9/3/10 14:24	LBD
Trichlorofluoromethane (Freon 11)	ND	0.010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,2,3-Trichloropropane	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,2,4-Trimethylbenzene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
1,3,5-Trimethylbenzene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
Vinyl Chloride	ND	0.010		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
m+p Xylene	ND	0.0041		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF
o-Xylene	ND	0.0020		mg/Kg dry	1		SW-846 8260B	9/2/10	9/2/10 19:18	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	95.7	70-130		9/3/10 14:24
1,2-Dichloroethane-d4	110	70-130		9/2/10 19:18
Toluene-d8	96.0	70-130		9/2/10 19:18
Toluene-d8	87.4	70-130		9/3/10 14:24
4-Bromofluorobenzene	78.3	70-130		9/3/10 14:24
4-Bromofluorobenzene	101	70-130		9/2/10 19:18

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City of New Bedford
Sample Description:
Work Order: 10I0004

Date Received: 8/31/2010

Field Sample #: MW-28 (8-10)
Sampled: 8/30/2010 14:45

Sample ID: 10I0004-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.6		% Wt	1		SM 2540G	9/2/10	9/2/10 14:54	FWD

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City of New Bedford
Sample Description:
Work Order: 10I0004

Date Received: 8/31/2010

Field Sample #: MW-28 (8-10)
Sampled: 8/30/2010 14:45

Sample ID: 10I0004-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-8

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	0.101	0.01	%	1		SW 846 9060		9/17/10 6:00	AAL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City of New Bedford | Sample Description: | Work Order: 10I0004

Date Received: 8/31/2010

Field Sample #: MW-27 | Sampled: 8/30/2010 17:00

Sample ID: 10I0004-03

Sample Matrix: Product/Solid

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	140	1100	12	mg/Kg wet	100	J	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
tert-Amyl Methyl Ether (TAME)	ND	45	2.5	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Benzene	ND	22	1.1	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Bromobenzene	ND	22	2.2	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Bromochloromethane	ND	22	2.2	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Bromodichloromethane	ND	45	1.8	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Bromoform	ND	220	5.6	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Bromomethane	14	45	8.5	mg/Kg wet	100	L-04, J	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
2-Butanone (MEK)	ND	450	9.2	mg/Kg wet	100	U, V-05	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
n-Butylbenzene	1.3	22	1.1	mg/Kg wet	100	J	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
sec-Butylbenzene	ND	22	1.1	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
tert-Butylbenzene	ND	22	1.1	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	45	1.6	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Carbon Disulfide	57	220	1.1	mg/Kg wet	100	J	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Carbon Tetrachloride	ND	220	2.0	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Chlorobenzene	ND	22	1.1	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Chlorodibromomethane	ND	90	2.7	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Chloroethane	ND	450	7.4	mg/Kg wet	100	L-04, R-05, U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Chloroform	ND	45	0.90	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Chloromethane	ND	45	2.9	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
2-Chlorotoluene	ND	22	1.1	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
4-Chlorotoluene	ND	22	1.1	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	220	11	mg/Kg wet	100	U, V-05	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,2-Dibromoethane (EDB)	ND	90	3.1	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Dibromomethane	ND	22	1.8	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,2-Dichlorobenzene	22	22	1.3	mg/Kg wet	100		SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,3-Dichlorobenzene	ND	22	1.3	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,4-Dichlorobenzene	29	22	2.5	mg/Kg wet	100		SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Dichlorodifluoromethane (Freon 12)	ND	45	0.90	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,1-Dichloroethane	ND	22	2.0	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,2-Dichloroethane	ND	22	2.0	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,1-Dichloroethylene	15	22	2.2	mg/Kg wet	100	J	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
cis-1,2-Dichloroethylene	990	22	1.1	mg/Kg wet	100		SW-846 8260B	9/3/10	9/3/10 16:57	LBD
trans-1,2-Dichloroethylene	87	22	1.6	mg/Kg wet	100		SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,2-Dichloropropane	ND	22	4.5	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,3-Dichloropropane	ND	11	1.8	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
2,2-Dichloropropane	ND	220	2.9	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,1-Dichloropropene	ND	45	2.2	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
cis-1,3-Dichloropropene	ND	45	1.6	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
trans-1,3-Dichloropropene	ND	45	2.7	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Diethyl Ether	ND	45	2.2	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Diisopropyl Ether (DIPE)	ND	11	0.67	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,4-Dioxane	ND	2200	78	mg/Kg wet	100	U, V-16	SW-846 8260B	9/3/10	9/3/10 16:57	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City of New Bedford | Sample Description: | Work Order: 10I0004

Date Received: 8/31/2010

Field Sample #: MW-27 | Sampled: 8/30/2010 17:00

Sample ID: 10I0004-03

Sample Matrix: Product/Solid

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Ethylbenzene	47	22	1.1	mg/Kg wet	100		SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Hexachlorobutadiene	ND	22	5.8	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
2-Hexanone (MBK)	ND	900	15	mg/Kg wet	100	U, V-05	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Isopropylbenzene (Cumene)	2.0	22	1.3	mg/Kg wet	100	J	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
p-Isopropyltoluene (p-Cymene)	7.0	22	1.3	mg/Kg wet	100	J	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Methyl tert-Butyl Ether (MTBE)	ND	90	1.1	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Methylene Chloride	ND	110	50	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
4-Methyl-2-pentanone (MIBK)	ND	450	4.9	mg/Kg wet	100	U, V-05	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Naphthalene	27	220	4.7	mg/Kg wet	100	V-05, J	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
n-Propylbenzene	ND	22	0.90	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Styrene	480	22	1.3	mg/Kg wet	100		SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,1,1,2-Tetrachloroethane	ND	90	1.8	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,1,2,2-Tetrachloroethane	ND	45	4.0	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Tetrachloroethylene	10	22	3.1	mg/Kg wet	100	J	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Tetrahydrofuran	ND	220	22	mg/Kg wet	100	V-05, U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Toluene	12	22	0.90	mg/Kg wet	100	J	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,2,3-Trichlorobenzene	230	110	4.9	mg/Kg wet	100	V-05	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,2,4-Trichlorobenzene	1000	22	2.5	mg/Kg wet	100		SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,1,1-Trichloroethane	ND	45	1.1	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,1,2-Trichloroethane	ND	22	1.8	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Trichloroethylene	220000	2200		mg/Kg wet	10000		SW-846 8260B	9/7/10	9/7/10 14:20	LBD
Trichlorofluoromethane (Freon 11)	ND	45	1.6	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,2,3-Trichloropropane	ND	45	4.7	mg/Kg wet	100	U, V-05	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,2,4-Trimethylbenzene	3.1	22	1.3	mg/Kg wet	100	J	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
1,3,5-Trimethylbenzene	1.3	22	1.3	mg/Kg wet	100	J	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
Vinyl Chloride	7.2	45	3.6	mg/Kg wet	100	J	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
m+p Xylene	13	45	1.6	mg/Kg wet	100	J	SW-846 8260B	9/3/10	9/3/10 16:57	LBD
o-Xylene	ND	22	1.1	mg/Kg wet	100	U	SW-846 8260B	9/3/10	9/3/10 16:57	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	*	70-130	U, S-21	9/3/10 16:57
1,2-Dichloroethane-d4	*	70-130	S-21	9/7/10 14:20
Toluene-d8	*	70-130	S-21, U	9/3/10 16:57
Toluene-d8	*	70-130	S-21	9/7/10 14:20
4-Bromofluorobenzene	*	70-130	U, S-21	9/3/10 16:57
4-Bromofluorobenzene	*	70-130	S-21	9/7/10 14:20

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Project Location: City of New Bedford
Sample Description:
Work Order: 10I0004

Date Received: 8/31/2010

Field Sample #: MW-27
Sampled: 8/30/2010 17:00

Sample ID: 10I0004-03

Sample Matrix: Product/Solid

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED)

Analyte	Results	Units	Response	RT	DF	CAS #	Method	Date Prepared	Date/Time Analyzed	Analyst
No TICs Found	0.0	mg/Kg wet			1		SW-846 8260B	9/3/10	4/8/11 12:18	TJR

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10I0004-01 [MW-27 (6-8)]	B018628	09/02/10
10I0004-02 [MW-28 (8-10)]	B018628	09/02/10

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
10I0004-03 [MW-27]	B018744	3.40	15.2	0.01	50	09/03/10

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10I0004-01 [MW-27 (6-8)]	B018595	7.90	10.0	09/01/10

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10I0004-02 [MW-28 (8-10)]	B018666	5.40	10.0	09/02/10

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
10I0004-01RE1 [MW-27 (6-8)]	B019237	20.6	17.7	0.01	50	09/07/10
10I0004-03RE1 [MW-27]	B019237	3.40	15.2	0.0001	50	09/07/10

Prep Method: SW-846 5035-SW-846 8260B

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
10I0004-01 [MW-27 (6-8)]	B019471	20.6	17.7	1	50	09/03/10
10I0004-02 [MW-28 (8-10)]	B019471	14.0	16.6	0.1	50	09/03/10

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B018595 - SW-846 5035										
Blank (B018595-BLK1)				Prepared & Analyzed: 09/01/10						
Acetone	ND	0.10	mg/Kg wet							V-16
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							V-16
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.010	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.010	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Diethyl Ether	ND	0.010	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							V-16
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.010	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							V-05

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B018595 - SW-846 5035											
Blank (B018595-BLK1)				Prepared & Analyzed: 09/01/10							
n-Propylbenzene	ND	0.0020	mg/Kg wet								
Styrene	ND	0.0020	mg/Kg wet								
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet								
Tetrachloroethylene	ND	0.0020	mg/Kg wet								
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16	
Toluene	ND	0.0020	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.0040	mg/Kg wet							V-05	
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet								
Trichloroethylene	ND	0.0020	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet								
Vinyl Chloride	ND	0.010	mg/Kg wet								
m+p Xylene	ND	0.0040	mg/Kg wet								
o-Xylene	ND	0.0020	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0515*		mg/Kg wet	0.0500		103	70-130				
Surrogate: Toluene-d8	*0.0492*		mg/Kg wet	0.0500		98.3	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0493*		mg/Kg wet	0.0500		98.7	70-130				
LCS (B018595-BS1)				Prepared & Analyzed: 09/01/10							
Acetone	0.216	0.10	mg/Kg wet	0.200		108	40-160			V-16	†
tert-Amyl Methyl Ether (TAME)	0.0171	0.0010	mg/Kg wet	0.0200		85.7	70-130				
Benzene	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130				
Bromobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.2	70-130				
Bromochloromethane	0.0199	0.0020	mg/Kg wet	0.0200		99.7	70-130				
Bromodichloromethane	0.0195	0.0020	mg/Kg wet	0.0200		97.5	70-130				
Bromoform	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130				
Bromomethane	0.0125	0.010	mg/Kg wet	0.0200		62.3	40-160			L-14, V-06	†
2-Butanone (MEK)	0.170	0.040	mg/Kg wet	0.200		84.8	40-160			V-16	†
n-Butylbenzene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130				
sec-Butylbenzene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130				
tert-Butylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130				
tert-Butyl Ethyl Ether (TBEE)	0.0178	0.0010	mg/Kg wet	0.0200		89.1	70-130				
Carbon Disulfide	0.0201	0.0060	mg/Kg wet	0.0200		101	70-130				
Carbon Tetrachloride	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130				
Chlorobenzene	0.0188	0.0020	mg/Kg wet	0.0200		94.2	70-130				
Chlorodibromomethane	0.0195	0.0010	mg/Kg wet	0.0200		97.6	70-130				
Chloroethane	0.0170	0.010	mg/Kg wet	0.0200		85.2	70-130				
Chloroform	0.0203	0.0040	mg/Kg wet	0.0200		102	70-130				
Chloromethane	0.0128	0.010	mg/Kg wet	0.0200		64.2	40-160			L-14	†
2-Chlorotoluene	0.0193	0.0020	mg/Kg wet	0.0200		96.7	70-130				
4-Chlorotoluene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0172	0.0040	mg/Kg wet	0.0200		85.9	70-130				
1,2-Dibromoethane (EDB)	0.0179	0.0010	mg/Kg wet	0.0200		89.5	70-130				
Dibromomethane	0.0180	0.0020	mg/Kg wet	0.0200		90.2	70-130				
1,2-Dichlorobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.7	70-130				
1,3-Dichlorobenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.6	70-130				
1,4-Dichlorobenzene	0.0180	0.0020	mg/Kg wet	0.0200		90.2	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B018595 - SW-846 5035											
LCS (B018595-BS1)				Prepared & Analyzed: 09/01/10							
Dichlorodifluoromethane (Freon 12)	0.00984	0.010	mg/Kg wet	0.0200		49.2	40-160			L-14	†
1,1-Dichloroethane	0.0199	0.0020	mg/Kg wet	0.0200		99.4	70-130				
1,2-Dichloroethane	0.0198	0.0020	mg/Kg wet	0.0200		99.2	70-130				
1,1-Dichloroethylene	0.0207	0.0040	mg/Kg wet	0.0200		104	70-130				
cis-1,2-Dichloroethylene	0.0198	0.0020	mg/Kg wet	0.0200		98.9	70-130				
trans-1,2-Dichloroethylene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130				
1,2-Dichloropropane	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-130				
1,3-Dichloropropane	0.0171	0.0010	mg/Kg wet	0.0200		85.4	70-130				
2,2-Dichloropropane	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130				
1,1-Dichloropropene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130				
cis-1,3-Dichloropropene	0.0189	0.0010	mg/Kg wet	0.0200		94.3	70-130				
trans-1,3-Dichloropropene	0.0229	0.0010	mg/Kg wet	0.0200		115	70-130				
Diethyl Ether	0.0182	0.010	mg/Kg wet	0.0200		91.2	70-130				
Diisopropyl Ether (DIPE)	0.0182	0.0010	mg/Kg wet	0.0200		90.9	70-130				
1,4-Dioxane	0.160	0.10	mg/Kg wet	0.200		80.2	40-160			V-16	†
Ethylbenzene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130				
Hexachlorobutadiene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130				
2-Hexanone (MBK)	0.154	0.020	mg/Kg wet	0.200		77.2	40-160				†
Isopropylbenzene (Cumene)	0.0241	0.0020	mg/Kg wet	0.0200		121	70-130				
p-Isopropyltoluene (p-Cymene)	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130				
Methyl tert-Butyl Ether (MTBE)	0.0180	0.0040	mg/Kg wet	0.0200		89.9	70-130				
Methylene Chloride	0.0183	0.010	mg/Kg wet	0.0200		91.6	70-130				
4-Methyl-2-pentanone (MIBK)	0.149	0.020	mg/Kg wet	0.200		74.3	40-160				†
Naphthalene	0.0165	0.0040	mg/Kg wet	0.0200		82.6	70-130			V-05	
n-Propylbenzene	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130				
Styrene	0.0198	0.0020	mg/Kg wet	0.0200		99.0	70-130				
1,1,1,2-Tetrachloroethane	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130				
1,1,2,2-Tetrachloroethane	0.0163	0.0010	mg/Kg wet	0.0200		81.7	70-130				
Tetrachloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130				
Tetrahydrofuran	0.0168	0.010	mg/Kg wet	0.0200		84.0	70-130			V-16	
Toluene	0.0189	0.0020	mg/Kg wet	0.0200		94.6	70-130				
1,2,3-Trichlorobenzene	0.0173	0.0040	mg/Kg wet	0.0200		86.7	70-130			V-05	
1,2,4-Trichlorobenzene	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130				
1,1,1-Trichloroethane	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130				
1,1,2-Trichloroethane	0.0172	0.0020	mg/Kg wet	0.0200		85.8	70-130				
Trichloroethylene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130				
Trichlorofluoromethane (Freon 11)	0.0234	0.010	mg/Kg wet	0.0200		117	70-130				
1,2,3-Trichloropropane	0.0146	0.0020	mg/Kg wet	0.0200		72.9	70-130				
1,2,4-Trimethylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130				
1,3,5-Trimethylbenzene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130				
Vinyl Chloride	0.0172	0.010	mg/Kg wet	0.0200		86.2	70-130				
m+p Xylene	0.0406	0.0040	mg/Kg wet	0.0400		101	70-130				
o-Xylene	0.0195	0.0020	mg/Kg wet	0.0200		97.3	70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0509*		mg/Kg wet	0.0500		102	70-130				
Surrogate: Toluene-d8	*0.0497*		mg/Kg wet	0.0500		99.4	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0509*		mg/Kg wet	0.0500		102	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B018595 - SW-846 5035											
LCS Dup (B018595-BSD1)				Prepared & Analyzed: 09/01/10							
Acetone	0.208	0.10	mg/Kg wet	0.200		104	40-160	3.97	20	V-16	†
tert-Amyl Methyl Ether (TAME)	0.0174	0.0010	mg/Kg wet	0.0200		87.0	70-130	1.51	20		
Benzene	0.0197	0.0020	mg/Kg wet	0.0200		98.3	70-130	2.78	20		
Bromobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-130	4.44	20		
Bromochloromethane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130	4.41	20		
Bromodichloromethane	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130	7.50	20		
Bromoform	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	2.29	20		
Bromomethane	0.0122	0.010	mg/Kg wet	0.0200		60.8	40-160	2.44	20	L-14, V-06	†
2-Butanone (MEK)	0.169	0.040	mg/Kg wet	0.200		84.6	40-160	0.213	20	V-16	†
n-Butylbenzene	0.0217	0.0020	mg/Kg wet	0.0200		109	70-130	0.459	20		
sec-Butylbenzene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130	0.569	20		
tert-Butylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	0.0966	20		
tert-Butyl Ethyl Ether (TBEE)	0.0181	0.0010	mg/Kg wet	0.0200		90.5	70-130	1.56	20		
Carbon Disulfide	0.0205	0.0060	mg/Kg wet	0.0200		102	70-130	1.67	20		
Carbon Tetrachloride	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130	1.71	20		
Chlorobenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.3	70-130	3.24	20		
Chlorodibromomethane	0.0205	0.0010	mg/Kg wet	0.0200		103	70-130	5.09	20		
Chloroethane	0.0170	0.010	mg/Kg wet	0.0200		85.1	70-130	0.117	20		
Chloroform	0.0209	0.0040	mg/Kg wet	0.0200		105	70-130	3.01	20		
Chloromethane	0.0131	0.010	mg/Kg wet	0.0200		65.6	40-160	2.16	20	L-14	†
2-Chlorotoluene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130	3.36	20		
4-Chlorotoluene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	2.75	20		
1,2-Dibromo-3-chloropropane (DBCP)	0.0165	0.0040	mg/Kg wet	0.0200		82.3	70-130	4.28	20		
1,2-Dibromoethane (EDB)	0.0191	0.0010	mg/Kg wet	0.0200		95.4	70-130	6.38	20		
Dibromomethane	0.0191	0.0020	mg/Kg wet	0.0200		95.4	70-130	5.60	20		
1,2-Dichlorobenzene	0.0184	0.0020	mg/Kg wet	0.0200		92.1	70-130	1.53	20		
1,3-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.7	70-130	1.17	20		
1,4-Dichlorobenzene	0.0181	0.0020	mg/Kg wet	0.0200		90.7	70-130	0.553	20		
Dichlorodifluoromethane (Freon 12)	0.00942	0.010	mg/Kg wet	0.0200		47.1	40-160	4.36	20	L-14	†
1,1-Dichloroethane	0.0198	0.0020	mg/Kg wet	0.0200		98.8	70-130	0.605	20		
1,2-Dichloroethane	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130	3.47	20		
1,1-Dichloroethylene	0.0210	0.0040	mg/Kg wet	0.0200		105	70-130	1.34	20		
cis-1,2-Dichloroethylene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130	5.22	20		
trans-1,2-Dichloroethylene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130	0.596	20		
1,2-Dichloropropane	0.0195	0.0020	mg/Kg wet	0.0200		97.7	70-130	5.90	20		
1,3-Dichloropropane	0.0185	0.0010	mg/Kg wet	0.0200		92.4	70-130	7.87	20		
2,2-Dichloropropane	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130	0.180	20		
1,1-Dichloropropene	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130	3.04	20		
cis-1,3-Dichloropropene	0.0199	0.0010	mg/Kg wet	0.0200		99.4	70-130	5.27	20		
trans-1,3-Dichloropropene	0.0244	0.0010	mg/Kg wet	0.0200		122	70-130	6.09	20		
Diethyl Ether	0.0181	0.010	mg/Kg wet	0.0200		90.3	70-130	0.992	20		
Diisopropyl Ether (DIPE)	0.0183	0.0010	mg/Kg wet	0.0200		91.3	70-130	0.439	20		
1,4-Dioxane	0.161	0.10	mg/Kg wet	0.200		80.7	40-160	0.684	20	V-16	†
Ethylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130	0.889	20		
Hexachlorobutadiene	0.0217	0.0020	mg/Kg wet	0.0200		108	70-130	2.14	20		
2-Hexanone (MBK)	0.163	0.020	mg/Kg wet	0.200		81.5	40-160	5.39	20		†
Isopropylbenzene (Cumene)	0.0245	0.0020	mg/Kg wet	0.0200		122	70-130	1.48	20		
p-Isopropyltoluene (p-Cymene)	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130	0.382	20		
Methyl tert-Butyl Ether (MTBE)	0.0185	0.0040	mg/Kg wet	0.0200		92.6	70-130	2.96	20		
Methylene Chloride	0.0189	0.010	mg/Kg wet	0.0200		94.5	70-130	3.12	20		
4-Methyl-2-pentanone (MIBK)	0.159	0.020	mg/Kg wet	0.200		79.7	40-160	6.91	20		†
Naphthalene	0.0161	0.0040	mg/Kg wet	0.0200		80.5	70-130	2.58	20	V-05	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B018595 - SW-846 5035										
LCS Dup (B018595-BSD1)				Prepared & Analyzed: 09/01/10						
n-Propylbenzene	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130	2.03	20	
Styrene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130	2.40	20	
1,1,1,2-Tetrachloroethane	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	2.06	20	
1,1,2,2-Tetrachloroethane	0.0175	0.0010	mg/Kg wet	0.0200		87.7	70-130	7.08	20	
Tetrachloroethylene	0.0221	0.0020	mg/Kg wet	0.0200		111	70-130	4.15	20	
Tetrahydrofuran	0.0186	0.010	mg/Kg wet	0.0200		93.0	70-130	10.2	20	V-16
Toluene	0.0197	0.0020	mg/Kg wet	0.0200		98.4	70-130	3.94	20	
1,2,3-Trichlorobenzene	0.0171	0.0040	mg/Kg wet	0.0200		85.6	70-130	1.28	20	V-05
1,2,4-Trichlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	3.98	20	
1,1,1-Trichloroethane	0.0227	0.0020	mg/Kg wet	0.0200		114	70-130	2.95	20	
1,1,2-Trichloroethane	0.0188	0.0020	mg/Kg wet	0.0200		93.9	70-130	9.02	20	
Trichloroethylene	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130	4.86	20	
Trichlorofluoromethane (Freon 11)	0.0239	0.010	mg/Kg wet	0.0200		119	70-130	1.78	20	
1,2,3-Trichloropropane	0.0161	0.0020	mg/Kg wet	0.0200		80.5	70-130	9.91	20	
1,2,4-Trimethylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130	0.197	20	
1,3,5-Trimethylbenzene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130	3.78	20	
Vinyl Chloride	0.0174	0.010	mg/Kg wet	0.0200		87.2	70-130	1.15	20	
m+p Xylene	0.0410	0.0040	mg/Kg wet	0.0400		102	70-130	0.981	20	
o-Xylene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130	2.94	20	
Surrogate: 1,2-Dichloroethane-d4	*0.0511*		mg/Kg wet	0.0500		102	70-130			
Surrogate: Toluene-d8	*0.0507*		mg/Kg wet	0.0500		101	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0506*		mg/Kg wet	0.0500		101	70-130			
Batch B018666 - SW-846 5035										
Blank (B018666-BLK1)				Prepared & Analyzed: 09/02/10						
Acetone	ND	0.10	mg/Kg wet							V-16
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0020	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							V-16
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.010	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B018666 - SW-846 5035										
Blank (B018666-BLK1)				Prepared & Analyzed: 09/02/10						
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.010	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Diethyl Ether	ND	0.010	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							V-16
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.010	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							
n-Propylbenzene	ND	0.0020	mg/Kg wet							
Styrene	ND	0.0020	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet							
Tetrachloroethylene	ND	0.0020	mg/Kg wet							
Tetrahydrofuran	ND	0.010	mg/Kg wet							R-05, V-16
Toluene	ND	0.0020	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	0.0040	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet							
Trichloroethylene	ND	0.0020	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet							
Vinyl Chloride	ND	0.010	mg/Kg wet							
m+p Xylene	ND	0.0040	mg/Kg wet							
o-Xylene	ND	0.0020	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*0.0560*		mg/Kg wet	0.0500		112	70-130			
Surrogate: Toluene-d8	*0.0480*		mg/Kg wet	0.0500		96.0	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0484*		mg/Kg wet	0.0500		96.8	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B018666 - SW-846 5035											
LCS (B018666-BS1)				Prepared & Analyzed: 09/02/10							
Acetone	0.220	0.10	mg/Kg wet	0.200		110	40-160			V-16	†
tert-Amyl Methyl Ether (TAME)	0.0188	0.0010	mg/Kg wet	0.0200		94.1	70-130				
Benzene	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130				
Bromobenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.1	70-130				
Bromochloromethane	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130				
Bromodichloromethane	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130				
Bromoform	0.0240	0.0020	mg/Kg wet	0.0200		120	70-130				
Bromomethane	0.0104	0.010	mg/Kg wet	0.0200		52.1	40-160			L-14, V-06	†
2-Butanone (MEK)	0.185	0.040	mg/Kg wet	0.200		92.7	40-160			V-16	†
n-Butylbenzene	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130				
sec-Butylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130				
tert-Butylbenzene	0.0196	0.0020	mg/Kg wet	0.0200		98.2	70-130				
tert-Butyl Ethyl Ether (TBEE)	0.0191	0.0010	mg/Kg wet	0.0200		95.5	70-130				
Carbon Disulfide	0.0195	0.0060	mg/Kg wet	0.0200		97.3	70-130				
Carbon Tetrachloride	0.0219	0.0020	mg/Kg wet	0.0200		109	70-130				
Chlorobenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.5	70-130				
Chlorodibromomethane	0.0214	0.0010	mg/Kg wet	0.0200		107	70-130				
Chloroethane	0.0156	0.010	mg/Kg wet	0.0200		78.2	70-130				
Chloroform	0.0206	0.0040	mg/Kg wet	0.0200		103	70-130				
Chloromethane	0.0116	0.010	mg/Kg wet	0.0200		58.1	40-160			L-14, V-06	†
2-Chlorotoluene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130				
4-Chlorotoluene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0193	0.0040	mg/Kg wet	0.0200		96.3	70-130				
1,2-Dibromoethane (EDB)	0.0198	0.0010	mg/Kg wet	0.0200		98.9	70-130				
Dibromomethane	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130				
1,2-Dichlorobenzene	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130				
1,3-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.5	70-130				
1,4-Dichlorobenzene	0.0182	0.0020	mg/Kg wet	0.0200		91.1	70-130				
Dichlorodifluoromethane (Freon 12)	0.00840	0.010	mg/Kg wet	0.0200		42.0	40-160			L-14	†
1,1-Dichloroethane	0.0192	0.0020	mg/Kg wet	0.0200		95.8	70-130				
1,2-Dichloroethane	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130				
1,1-Dichloroethylene	0.0199	0.0040	mg/Kg wet	0.0200		99.4	70-130				
cis-1,2-Dichloroethylene	0.0195	0.0020	mg/Kg wet	0.0200		97.4	70-130				
trans-1,2-Dichloroethylene	0.0193	0.0020	mg/Kg wet	0.0200		96.7	70-130				
1,2-Dichloropropane	0.0187	0.0020	mg/Kg wet	0.0200		93.4	70-130				
1,3-Dichloropropane	0.0187	0.0010	mg/Kg wet	0.0200		93.5	70-130				
2,2-Dichloropropane	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130				
1,1-Dichloropropene	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130				
cis-1,3-Dichloropropene	0.0192	0.0010	mg/Kg wet	0.0200		95.8	70-130				
trans-1,3-Dichloropropene	0.0241	0.0010	mg/Kg wet	0.0200		120	70-130				
Diethyl Ether	0.0186	0.010	mg/Kg wet	0.0200		93.0	70-130				
Diisopropyl Ether (DIPE)	0.0187	0.0010	mg/Kg wet	0.0200		93.6	70-130				
1,4-Dioxane	0.181	0.10	mg/Kg wet	0.200		90.3	40-160			V-16	†
Ethylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130				
Hexachlorobutadiene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130				
2-Hexanone (MBK)	0.184	0.020	mg/Kg wet	0.200		91.9	40-160				†
Isopropylbenzene (Cumene)	0.0246	0.0020	mg/Kg wet	0.0200		123	70-130				
p-Isopropyltoluene (p-Cymene)	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130				
Methyl tert-Butyl Ether (MTBE)	0.0201	0.0040	mg/Kg wet	0.0200		100	70-130				
Methylene Chloride	0.0187	0.010	mg/Kg wet	0.0200		93.6	70-130				
4-Methyl-2-pentanone (MIBK)	0.179	0.020	mg/Kg wet	0.200		89.5	40-160				†
Naphthalene	0.0173	0.0040	mg/Kg wet	0.0200		86.5	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B018666 - SW-846 5035											
LCS (B018666-BS1)				Prepared & Analyzed: 09/02/10							
n-Propylbenzene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130				
Styrene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130				
1,1,1,2-Tetrachloroethane	0.0217	0.0020	mg/Kg wet	0.0200		108	70-130				
1,1,2,2-Tetrachloroethane	0.0198	0.0010	mg/Kg wet	0.0200		98.9	70-130				
Tetrachloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130				
Tetrahydrofuran	0.0188	0.010	mg/Kg wet	0.0200		94.1	70-130			R-05, V-16	
Toluene	0.0186	0.0020	mg/Kg wet	0.0200		93.2	70-130				
1,2,3-Trichlorobenzene	0.0182	0.0040	mg/Kg wet	0.0200		91.2	70-130				
1,2,4-Trichlorobenzene	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130				
1,1,1-Trichloroethane	0.0223	0.0020	mg/Kg wet	0.0200		112	70-130				
1,1,2-Trichloroethane	0.0193	0.0020	mg/Kg wet	0.0200		96.6	70-130				
Trichloroethylene	0.0199	0.0020	mg/Kg wet	0.0200		99.5	70-130				
Trichlorofluoromethane (Freon 11)	0.0220	0.010	mg/Kg wet	0.0200		110	70-130				
1,2,3-Trichloropropane	0.0187	0.0020	mg/Kg wet	0.0200		93.3	70-130				
1,2,4-Trimethylbenzene	0.0196	0.0020	mg/Kg wet	0.0200		97.8	70-130				
1,3,5-Trimethylbenzene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130				
Vinyl Chloride	0.0155	0.010	mg/Kg wet	0.0200		77.7	70-130				
m+p Xylene	0.0404	0.0040	mg/Kg wet	0.0400		101	70-130				
o-Xylene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0551*		mg/Kg wet	0.0500		110	70-130				
Surrogate: Toluene-d8	*0.0485*		mg/Kg wet	0.0500		97.0	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0509*		mg/Kg wet	0.0500		102	70-130				
LCS Dup (B018666-BSD1)				Prepared & Analyzed: 09/02/10							
Acetone	0.220	0.10	mg/Kg wet	0.200		110	40-160	0.136	20	V-16	†
tert-Amyl Methyl Ether (TAME)	0.0194	0.0010	mg/Kg wet	0.0200		97.1	70-130	3.14	20		
Benzene	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130	1.90	20		
Bromobenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.0	70-130	0.103	20		
Bromochloromethane	0.0215	0.0020	mg/Kg wet	0.0200		107	70-130	3.12	20		
Bromodichloromethane	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130	3.14	20		
Bromoform	0.0245	0.0020	mg/Kg wet	0.0200		122	70-130	2.06	20		
Bromomethane	0.0123	0.010	mg/Kg wet	0.0200		61.5	40-160	16.5	20	L-14, V-06	†
2-Butanone (MEK)	0.194	0.040	mg/Kg wet	0.200		97.0	40-160	4.55	20	V-16	†
n-Butylbenzene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130	2.46	20		
sec-Butylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		104	70-130	2.24	20		
tert-Butylbenzene	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130	4.09	20		
tert-Butyl Ethyl Ether (TBEE)	0.0197	0.0010	mg/Kg wet	0.0200		98.5	70-130	3.09	20		
Carbon Disulfide	0.0193	0.0060	mg/Kg wet	0.0200		96.3	70-130	1.03	20		
Carbon Tetrachloride	0.0219	0.0020	mg/Kg wet	0.0200		110	70-130	0.365	20		
Chlorobenzene	0.0196	0.0020	mg/Kg wet	0.0200		98.2	70-130	0.305	20		
Chlorodibromomethane	0.0221	0.0010	mg/Kg wet	0.0200		111	70-130	3.40	20		
Chloroethane	0.0158	0.010	mg/Kg wet	0.0200		79.0	70-130	1.02	20		
Chloroform	0.0215	0.0040	mg/Kg wet	0.0200		107	70-130	3.99	20		
Chloromethane	0.0119	0.010	mg/Kg wet	0.0200		59.3	40-160	2.04	20	L-14, V-06	†
2-Chlorotoluene	0.0200	0.0020	mg/Kg wet	0.0200		99.8	70-130	0.997	20		
4-Chlorotoluene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130	0.00	20		
1,2-Dibromo-3-chloropropane (DBCP)	0.0196	0.0040	mg/Kg wet	0.0200		98.1	70-130	1.85	20		
1,2-Dibromoethane (EDB)	0.0208	0.0010	mg/Kg wet	0.0200		104	70-130	4.93	20		
Dibromomethane	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130	0.982	20		
1,2-Dichlorobenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.2	70-130	4.20	20		
1,3-Dichlorobenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.7	70-130	1.26	20		
1,4-Dichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.3	70-130	3.45	20		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes	
Batch B018666 - SW-846 5035												
LCS Dup (B018666-BSD1)				Prepared & Analyzed: 09/02/10								
Dichlorodifluoromethane (Freon 12)	0.00826	0.010	mg/Kg wet	0.0200		41.3	40-160	1.68		20	L-14	†
1,1-Dichloroethane	0.0198	0.0020	mg/Kg wet	0.0200		99.1	70-130	3.39		20		
1,2-Dichloroethane	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130	3.86		20		
1,1-Dichloroethylene	0.0205	0.0040	mg/Kg wet	0.0200		102	70-130	3.07		20		
cis-1,2-Dichloroethylene	0.0202	0.0020	mg/Kg wet	0.0200		101	70-130	3.73		20		
trans-1,2-Dichloroethylene	0.0197	0.0020	mg/Kg wet	0.0200		98.4	70-130	1.74		20		
1,2-Dichloropropane	0.0191	0.0020	mg/Kg wet	0.0200		95.5	70-130	2.22		20		
1,3-Dichloropropane	0.0192	0.0010	mg/Kg wet	0.0200		95.9	70-130	2.53		20		
2,2-Dichloropropane	0.0217	0.0020	mg/Kg wet	0.0200		108	70-130	1.21		20		
1,1-Dichloropropene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	0.389		20		
cis-1,3-Dichloropropene	0.0205	0.0010	mg/Kg wet	0.0200		103	70-130	6.85		20		
trans-1,3-Dichloropropene	0.0253	0.0010	mg/Kg wet	0.0200		126	70-130	4.95		20		
Diethyl Ether	0.0195	0.010	mg/Kg wet	0.0200		97.7	70-130	4.93		20		
Diisopropyl Ether (DIPE)	0.0194	0.0010	mg/Kg wet	0.0200		96.8	70-130	3.36		20		
1,4-Dioxane	0.186	0.10	mg/Kg wet	0.200		92.8	40-160	2.77		20	V-16	†
Ethylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130	0.295		20		
Hexachlorobutadiene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130	1.73		20		
2-Hexanone (MBK)	0.191	0.020	mg/Kg wet	0.200		95.6	40-160	3.87		20		†
Isopropylbenzene (Cumene)	0.0241	0.0020	mg/Kg wet	0.0200		120	70-130	1.97		20		
p-Isopropyltoluene (p-Cymene)	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	0.194		20		
Methyl tert-Butyl Ether (MTBE)	0.0209	0.0040	mg/Kg wet	0.0200		104	70-130	3.71		20		
Methylene Chloride	0.0190	0.010	mg/Kg wet	0.0200		95.2	70-130	1.69		20		
4-Methyl-2-pentanone (MIBK)	0.187	0.020	mg/Kg wet	0.200		93.7	40-160	4.59		20		†
Naphthalene	0.0186	0.0040	mg/Kg wet	0.0200		92.8	70-130	7.03		20		
n-Propylbenzene	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130	1.24		20		
Styrene	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130	1.36		20		
1,1,1,2-Tetrachloroethane	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130	3.17		20		
1,1,2,2-Tetrachloroethane	0.0205	0.0010	mg/Kg wet	0.0200		103	70-130	3.67		20		
Tetrachloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	0.283		20		
Tetrahydrofuran	0.0150	0.010	mg/Kg wet	0.0200		74.9	70-130	**22.7**	*	20	R-05, V-16	
Toluene	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130	2.54		20		
1,2,3-Trichlorobenzene	0.0187	0.0040	mg/Kg wet	0.0200		93.5	70-130	2.49		20		
1,2,4-Trichlorobenzene	0.0233	0.0020	mg/Kg wet	0.0200		116	70-130	3.32		20		
1,1,1-Trichloroethane	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130	0.179		20		
1,1,2-Trichloroethane	0.0198	0.0020	mg/Kg wet	0.0200		99.1	70-130	2.55		20		
Trichloroethylene	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130	2.97		20		
Trichlorofluoromethane (Freon 11)	0.0227	0.010	mg/Kg wet	0.0200		114	70-130	3.22		20		
1,2,3-Trichloropropane	0.0183	0.0020	mg/Kg wet	0.0200		91.7	70-130	1.73		20		
1,2,4-Trimethylbenzene	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130	4.50		20		
1,3,5-Trimethylbenzene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130	1.12		20		
Vinyl Chloride	0.0160	0.010	mg/Kg wet	0.0200		80.1	70-130	3.04		20		
m+p Xylene	0.0408	0.0040	mg/Kg wet	0.0400		102	70-130	1.08		20		
o-Xylene	0.0198	0.0020	mg/Kg wet	0.0200		99.1	70-130	2.39		20		
Surrogate: 1,2-Dichloroethane-d4	*0.0558*		mg/Kg wet	0.0500		112	70-130					
Surrogate: Toluene-d8	*0.0491*		mg/Kg wet	0.0500		98.2	70-130					
Surrogate: 4-Bromofluorobenzene	*0.0503*		mg/Kg wet	0.0500		101	70-130					

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B018744 - SW-846 5035										
Blank (B018744-BLK1)				Prepared & Analyzed: 09/03/10						
Acetone	0.97	2.5	mg/Kg wet							J
tert-Amyl Methyl Ether (TAME)	ND	0.025	mg/Kg wet							U
Benzene	ND	0.051	mg/Kg wet							U
Bromobenzene	ND	0.051	mg/Kg wet							U
Bromochloromethane	ND	0.051	mg/Kg wet							U
Bromodichloromethane	ND	0.051	mg/Kg wet							U
Bromoform	ND	0.051	mg/Kg wet							U
Bromomethane	ND	0.10	mg/Kg wet							L-04, U
2-Butanone (MEK)	ND	1.0	mg/Kg wet							V-05, U
n-Butylbenzene	ND	0.051	mg/Kg wet							U
sec-Butylbenzene	ND	0.051	mg/Kg wet							U
tert-Butylbenzene	ND	0.051	mg/Kg wet							U
tert-Butyl Ethyl Ether (TBEE)	ND	0.025	mg/Kg wet							U
Carbon Disulfide	ND	0.51	mg/Kg wet							U
Carbon Tetrachloride	ND	0.051	mg/Kg wet							U
Chlorobenzene	ND	0.051	mg/Kg wet							U
Chlorodibromomethane	ND	0.025	mg/Kg wet							U
Chloroethane	ND	0.10	mg/Kg wet							L-04, R-05, U
Chloroform	ND	0.10	mg/Kg wet							U
Chloromethane	ND	0.10	mg/Kg wet							U
2-Chlorotoluene	ND	0.051	mg/Kg wet							U
4-Chlorotoluene	ND	0.051	mg/Kg wet							U
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.25	mg/Kg wet							V-05, U
1,2-Dibromoethane (EDB)	ND	0.025	mg/Kg wet							U
Dibromomethane	ND	0.051	mg/Kg wet							U
1,2-Dichlorobenzene	ND	0.051	mg/Kg wet							U
1,3-Dichlorobenzene	ND	0.051	mg/Kg wet							U
1,4-Dichlorobenzene	ND	0.051	mg/Kg wet							U
Dichlorodifluoromethane (Freon 12)	ND	0.10	mg/Kg wet							U
1,1-Dichloroethane	ND	0.051	mg/Kg wet							U
1,2-Dichloroethane	ND	0.051	mg/Kg wet							U
1,1-Dichloroethylene	ND	0.051	mg/Kg wet							U
cis-1,2-Dichloroethylene	ND	0.051	mg/Kg wet							U
trans-1,2-Dichloroethylene	ND	0.051	mg/Kg wet							U
1,2-Dichloropropane	ND	0.051	mg/Kg wet							U
1,3-Dichloropropane	ND	0.025	mg/Kg wet							U
2,2-Dichloropropane	ND	0.051	mg/Kg wet							U
1,1-Dichloropropene	ND	0.10	mg/Kg wet							U
cis-1,3-Dichloropropene	ND	0.025	mg/Kg wet							U
trans-1,3-Dichloropropene	ND	0.025	mg/Kg wet							U
Diethyl Ether	ND	0.10	mg/Kg wet							U
Diisopropyl Ether (DIPE)	ND	0.025	mg/Kg wet							U
1,4-Dioxane	ND	2.5	mg/Kg wet							V-16, U
Ethylbenzene	ND	0.051	mg/Kg wet							U
Hexachlorobutadiene	ND	0.051	mg/Kg wet							U
2-Hexanone (MBK)	ND	0.51	mg/Kg wet							V-05, U
Isopropylbenzene (Cumene)	ND	0.051	mg/Kg wet							U
p-Isopropyltoluene (p-Cymene)	ND	0.051	mg/Kg wet							U
Methyl tert-Butyl Ether (MTBE)	ND	0.051	mg/Kg wet							U
Methylene Chloride	ND	0.25	mg/Kg wet							U
4-Methyl-2-pentanone (MIBK)	ND	0.51	mg/Kg wet							V-05, U
Naphthalene	ND	0.10	mg/Kg wet							V-05, U

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B018744 - SW-846 5035												
Blank (B018744-BLK1)				Prepared & Analyzed: 09/03/10								
n-Propylbenzene	ND	0.051	mg/Kg wet								U	
Styrene	ND	0.051	mg/Kg wet								U	
1,1,1,2-Tetrachloroethane	ND	0.051	mg/Kg wet								U	
1,1,2,2-Tetrachloroethane	ND	0.025	mg/Kg wet								U	
Tetrachloroethylene	ND	0.051	mg/Kg wet								U	
Tetrahydrofuran	ND	0.51	mg/Kg wet								V-05, U	
Toluene	ND	0.051	mg/Kg wet								U	
1,2,3-Trichlorobenzene	ND	0.25	mg/Kg wet								V-05, U	
1,2,4-Trichlorobenzene	ND	0.051	mg/Kg wet								U	
1,1,1-Trichloroethane	ND	0.051	mg/Kg wet								U	
1,1,2-Trichloroethane	ND	0.051	mg/Kg wet								U	
Trichloroethylene	ND	0.051	mg/Kg wet								U	
Trichlorofluoromethane (Freon 11)	ND	0.10	mg/Kg wet								U	
1,2,3-Trichloropropane	ND	0.10	mg/Kg wet								V-05, U	
1,2,4-Trimethylbenzene	ND	0.051	mg/Kg wet								U	
1,3,5-Trimethylbenzene	ND	0.051	mg/Kg wet								U	
Vinyl Chloride	ND	0.10	mg/Kg wet								U	
m+p Xylene	ND	0.10	mg/Kg wet								U	
o-Xylene	ND	0.051	mg/Kg wet								U	
Surrogate: 1,2-Dichloroethane-d4	*1.15*		mg/Kg wet	1.33		86.4		70-130				
Surrogate: Toluene-d8	*1.07*		mg/Kg wet	1.33		80.5		70-130				
Surrogate: 4-Bromofluorobenzene	*0.975*		mg/Kg wet	1.33		73.2		70-130				
LCS (B018744-BS1)				Prepared & Analyzed: 09/03/10								
Acetone	26.7	11	mg/Kg wet	22.7		118		40-160		20		†
tert-Amyl Methyl Ether (TAME)	2.01	0.11	mg/Kg wet	2.27		88.7		70-130		20		
Benzene	2.26	0.23	mg/Kg wet	2.27		99.7		70-130		20		
Bromobenzene	2.25	0.23	mg/Kg wet	2.27		99.2		70-130		20		
Bromochloromethane	2.46	0.23	mg/Kg wet	2.27		108		70-130		20		
Bromodichloromethane	2.33	0.23	mg/Kg wet	2.27		103		70-130		20		
Bromoform	1.94	0.23	mg/Kg wet	2.27		85.6		70-130		20		
Bromomethane	0.734	0.45	mg/Kg wet	2.27		**32.4**	*	40-160		20	L-04, V-06	†
2-Butanone (MEK)	18.4	4.5	mg/Kg wet	22.7		81.3		40-160		20	V-05	†
n-Butylbenzene	2.50	0.23	mg/Kg wet	2.27		110		70-130		20		
sec-Butylbenzene	2.53	0.23	mg/Kg wet	2.27		112		70-130		20		
tert-Butylbenzene	2.46	0.23	mg/Kg wet	2.27		109		70-130		20		
tert-Butyl Ethyl Ether (TBEE)	2.22	0.11	mg/Kg wet	2.27		98.1		70-130		20		
Carbon Disulfide	2.78	2.3	mg/Kg wet	2.27		123		70-130		20		
Carbon Tetrachloride	2.33	0.23	mg/Kg wet	2.27		103		70-130		20		
Chlorobenzene	2.22	0.23	mg/Kg wet	2.27		97.8		70-130		20		
Chlorodibromomethane	2.07	0.11	mg/Kg wet	2.27		91.5		70-130		20		
Chloroethane	1.51	0.45	mg/Kg wet	2.27		**66.6**	*	70-130		20	L-04, R-05	
Chloroform	2.54	0.45	mg/Kg wet	2.27		112		70-130		20		
Chloromethane	1.70	0.45	mg/Kg wet	2.27		74.9		40-160		20		†
2-Chlorotoluene	2.34	0.23	mg/Kg wet	2.27		103		70-130		20		
4-Chlorotoluene	2.44	0.23	mg/Kg wet	2.27		108		70-130		20		
1,2-Dibromo-3-chloropropane (DBCP)	2.11	1.1	mg/Kg wet	2.27		92.9		70-130		20	V-05	
1,2-Dibromoethane (EDB)	2.09	0.11	mg/Kg wet	2.27		92.0		70-130		20		
Dibromomethane	2.46	0.23	mg/Kg wet	2.27		109		70-130		20		
1,2-Dichlorobenzene	2.36	0.23	mg/Kg wet	2.27		104		70-130		20		
1,3-Dichlorobenzene	2.36	0.23	mg/Kg wet	2.27		104		70-130		20		
1,4-Dichlorobenzene	2.33	0.23	mg/Kg wet	2.27		103		70-130		20		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B018744 - SW-846 5035											
LCS (B018744-BS1)				Prepared & Analyzed: 09/03/10							
Dichlorodifluoromethane (Freon 12)	1.57	0.45	mg/Kg wet	2.27		69.4	40-160		20	L-14	†
1,1-Dichloroethane	2.36	0.23	mg/Kg wet	2.27		104	70-130		20		
1,2-Dichloroethane	2.49	0.23	mg/Kg wet	2.27		110	70-130		20		
1,1-Dichloroethylene	2.60	0.23	mg/Kg wet	2.27		115	70-130		20		
cis-1,2-Dichloroethylene	2.39	0.23	mg/Kg wet	2.27		106	70-130		20		
trans-1,2-Dichloroethylene	2.59	0.23	mg/Kg wet	2.27		114	70-130		20		
1,2-Dichloropropane	2.20	0.23	mg/Kg wet	2.27		97.0	70-130		20		
1,3-Dichloropropane	2.20	0.11	mg/Kg wet	2.27		96.9	70-130		20		
2,2-Dichloropropane	2.63	0.23	mg/Kg wet	2.27		116	70-130		20		
1,1-Dichloropropene	2.37	0.45	mg/Kg wet	2.27		104	70-130		20		
cis-1,3-Dichloropropene	2.09	0.11	mg/Kg wet	2.27		92.0	70-130		20		
trans-1,3-Dichloropropene	2.24	0.11	mg/Kg wet	2.27		98.9	70-130		20		
Diethyl Ether	2.33	0.45	mg/Kg wet	2.27		103	70-130		20		
Diisopropyl Ether (DIPE)	2.22	0.11	mg/Kg wet	2.27		97.9	70-130		20		
1,4-Dioxane	19.7	11	mg/Kg wet	22.7		86.8	40-160		20	V-16	†
Ethylbenzene	2.35	0.23	mg/Kg wet	2.27		104	70-130		20		
Hexachlorobutadiene	2.53	0.23	mg/Kg wet	2.27		112	70-130		20		
2-Hexanone (MBK)	18.3	2.3	mg/Kg wet	22.7		80.7	40-160		20	V-05	†
Isopropylbenzene (Cumene)	2.77	0.23	mg/Kg wet	2.27		122	70-130		20		
p-Isopropyltoluene (p-Cymene)	2.50	0.23	mg/Kg wet	2.27		110	70-130		20		
Methyl tert-Butyl Ether (MTBE)	2.26	0.23	mg/Kg wet	2.27		99.9	70-130		20		
Methylene Chloride	2.32	1.1	mg/Kg wet	2.27		102	70-130		20		†
4-Methyl-2-pentanone (MIBK)	17.4	2.3	mg/Kg wet	22.7		76.6	40-160		20	V-05	†
Naphthalene	1.62	0.45	mg/Kg wet	2.27		71.4	70-130		20	V-05	†
n-Propylbenzene	2.34	0.23	mg/Kg wet	2.27		103	70-130		20		
Styrene	2.23	0.23	mg/Kg wet	2.27		98.3	70-130		20		
1,1,1,2-Tetrachloroethane	2.09	0.23	mg/Kg wet	2.27		92.1	70-130		20		
1,1,2,2-Tetrachloroethane	1.99	0.11	mg/Kg wet	2.27		87.9	70-130		20		
Tetrachloroethylene	2.30	0.23	mg/Kg wet	2.27		102	70-130		20		
Tetrahydrofuran	2.01	2.3	mg/Kg wet	2.27		88.6	70-130		20	V-05, J	
Toluene	2.30	0.23	mg/Kg wet	2.27		101	70-130		20		
1,2,3-Trichlorobenzene	2.03	1.1	mg/Kg wet	2.27		89.4	70-130		20	V-05	
1,2,4-Trichlorobenzene	2.13	0.23	mg/Kg wet	2.27		93.9	70-130		20		
1,1,1-Trichloroethane	2.58	0.23	mg/Kg wet	2.27		114	70-130		20		
1,1,2-Trichloroethane	2.15	0.23	mg/Kg wet	2.27		95.0	70-130		20		
Trichloroethylene	2.36	0.23	mg/Kg wet	2.27		104	70-130		20		
Trichlorofluoromethane (Freon 11)	2.67	0.45	mg/Kg wet	2.27		118	70-130		20	V-06	
1,2,3-Trichloropropane	1.96	0.45	mg/Kg wet	2.27		86.5	70-130		20	V-05	
1,2,4-Trimethylbenzene	2.46	0.23	mg/Kg wet	2.27		109	70-130		20		
1,3,5-Trimethylbenzene	2.33	0.23	mg/Kg wet	2.27		103	70-130		20		
Vinyl Chloride	2.38	0.45	mg/Kg wet	2.27		105	70-130		20		†
m+p Xylene	4.73	0.45	mg/Kg wet	4.53		104	70-130		20		
o-Xylene	2.38	0.23	mg/Kg wet	2.27		105	70-130		20		
Surrogate: 1,2-Dichloroethane-d4	*6.14*		mg/Kg wet	5.33		115	70-130				
Surrogate: Toluene-d8	*5.80*		mg/Kg wet	5.33		109	70-130				
Surrogate: 4-Bromofluorobenzene	*5.54*		mg/Kg wet	5.33		104	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B018744 - SW-846 5035													
LCS Dup (B018744-BSD1)				Prepared & Analyzed: 09/03/10									
Acetone	24.5	11	mg/Kg wet	22.7		108		40-160	8.82		20		†
tert-Amyl Methyl Ether (TAME)	1.96	0.11	mg/Kg wet	2.27		86.5		70-130	2.51		20		
Benzene	2.16	0.23	mg/Kg wet	2.27		95.3		70-130	4.51		20		
Bromobenzene	2.24	0.23	mg/Kg wet	2.27		98.8		70-130	0.404		20		
Bromochloromethane	2.32	0.23	mg/Kg wet	2.27		102		70-130	5.98		20		
Bromodichloromethane	2.36	0.23	mg/Kg wet	2.27		104		70-130	1.45		20		
Bromoform	1.98	0.23	mg/Kg wet	2.27		87.5		70-130	2.20		20		
Bromomethane	0.626	0.45	mg/Kg wet	2.27		**27.6**	*	40-160	16.0		20	L-04, V-06	†
2-Butanone (MEK)	17.7	4.5	mg/Kg wet	22.7		78.2		40-160	3.94		20	V-05	†
n-Butylbenzene	2.41	0.23	mg/Kg wet	2.27		106		70-130	3.88		20		
sec-Butylbenzene	2.48	0.23	mg/Kg wet	2.27		109		70-130	2.17		20		
tert-Butylbenzene	2.36	0.23	mg/Kg wet	2.27		104		70-130	4.23		20		
tert-Butyl Ethyl Ether (TBEE)	2.17	0.11	mg/Kg wet	2.27		95.7		70-130	2.48		20		
Carbon Disulfide	2.62	2.3	mg/Kg wet	2.27		116		70-130	5.79		20		
Carbon Tetrachloride	2.23	0.23	mg/Kg wet	2.27		98.2		70-130	4.77		20		
Chlorobenzene	2.16	0.23	mg/Kg wet	2.27		95.1		70-130	2.80		20		
Chlorodibromomethane	2.08	0.11	mg/Kg wet	2.27		91.9		70-130	0.436		20		
Chloroethane	1.16	0.45	mg/Kg wet	2.27		**51.3**	*	70-130	**26.0**	*	20	L-04, R-05	
Chloroform	2.46	0.45	mg/Kg wet	2.27		108		70-130	3.35		20		
Chloromethane	1.65	0.45	mg/Kg wet	2.27		72.6		40-160	3.12		20		†
2-Chlorotoluene	2.26	0.23	mg/Kg wet	2.27		99.6		70-130	3.74		20		
4-Chlorotoluene	2.36	0.23	mg/Kg wet	2.27		104		70-130	3.59		20		
1,2-Dibromo-3-chloropropane (DBCP)	2.04	1.1	mg/Kg wet	2.27		90.0		70-130	3.17		20	V-05	
1,2-Dibromoethane (EDB)	2.14	0.11	mg/Kg wet	2.27		94.5		70-130	2.68		20		
Dibromomethane	2.26	0.23	mg/Kg wet	2.27		99.6		70-130	8.65		20		
1,2-Dichlorobenzene	2.29	0.23	mg/Kg wet	2.27		101		70-130	2.73		20		
1,3-Dichlorobenzene	2.22	0.23	mg/Kg wet	2.27		98.0		70-130	6.04		20		
1,4-Dichlorobenzene	2.28	0.23	mg/Kg wet	2.27		101		70-130	2.16		20		
Dichlorodifluoromethane (Freon 12)	1.50	0.45	mg/Kg wet	2.27		66.3		40-160	4.57		20	L-14	†
1,1-Dichloroethane	2.24	0.23	mg/Kg wet	2.27		98.9		70-130	5.12		20		
1,2-Dichloroethane	2.51	0.23	mg/Kg wet	2.27		111		70-130	0.635		20		
1,1-Dichloroethylene	2.61	0.23	mg/Kg wet	2.27		115		70-130	0.435		20		
cis-1,2-Dichloroethylene	2.42	0.23	mg/Kg wet	2.27		107		70-130	1.13		20		
trans-1,2-Dichloroethylene	2.53	0.23	mg/Kg wet	2.27		112		70-130	2.30		20		
1,2-Dichloropropane	2.23	0.23	mg/Kg wet	2.27		98.2		70-130	1.23		20		
1,3-Dichloropropane	2.21	0.11	mg/Kg wet	2.27		97.3		70-130	0.412		20		
2,2-Dichloropropane	2.38	0.23	mg/Kg wet	2.27		105		70-130	10.1		20		
1,1-Dichloropropene	2.28	0.45	mg/Kg wet	2.27		101		70-130	3.61		20		
cis-1,3-Dichloropropene	2.02	0.11	mg/Kg wet	2.27		89.3		70-130	2.98		20		
trans-1,3-Dichloropropene	2.23	0.11	mg/Kg wet	2.27		98.3		70-130	0.609		20		
Diethyl Ether	2.48	0.45	mg/Kg wet	2.27		109		70-130	6.22		20		
Diisopropyl Ether (DIPE)	2.19	0.11	mg/Kg wet	2.27		96.4		70-130	1.54		20		
1,4-Dioxane	23.0	11	mg/Kg wet	22.7		101		40-160	15.6		20	V-16	† ‡
Ethylbenzene	2.26	0.23	mg/Kg wet	2.27		99.7		70-130	4.03		20		
Hexachlorobutadiene	2.50	0.23	mg/Kg wet	2.27		110		70-130	1.08		20		
2-Hexanone (MBK)	18.5	2.3	mg/Kg wet	22.7		81.6		40-160	1.08		20	V-05	†
Isopropylbenzene (Cumene)	2.60	0.23	mg/Kg wet	2.27		115		70-130	6.08		20		
p-Isopropyltoluene (p-Cymene)	2.44	0.23	mg/Kg wet	2.27		108		70-130	2.39		20		
Methyl tert-Butyl Ether (MTBE)	2.24	0.23	mg/Kg wet	2.27		99.0		70-130	0.905		20		
Methylene Chloride	2.17	1.1	mg/Kg wet	2.27		95.6		70-130	6.77		20		†
4-Methyl-2-pentanone (MIBK)	18.1	2.3	mg/Kg wet	22.7		79.8		40-160	4.03		20	V-05	†
Naphthalene	1.63	0.45	mg/Kg wet	2.27		72.0		70-130	0.837		20	V-05	†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B018744 - SW-846 5035										
LCS Dup (B018744-BSD1)				Prepared & Analyzed: 09/03/10						
n-Propylbenzene	2.26	0.23	mg/Kg wet	2.27		99.8	70-130	3.25	20	
Styrene	2.09	0.23	mg/Kg wet	2.27		92.1	70-130	6.51	20	
1,1,1,2-Tetrachloroethane	2.09	0.23	mg/Kg wet	2.27		92.3	70-130	0.217	20	
1,1,2,2-Tetrachloroethane	2.02	0.11	mg/Kg wet	2.27		89.3	70-130	1.58	20	
Tetrachloroethylene	2.33	0.23	mg/Kg wet	2.27		103	70-130	1.37	20	
Tetrahydrofuran	1.84	2.3	mg/Kg wet	2.27		81.0	70-130	8.96	20	V-05, J
Toluene	2.18	0.23	mg/Kg wet	2.27		96.0	70-130	5.47	20	
1,2,3-Trichlorobenzene	2.00	1.1	mg/Kg wet	2.27		88.4	70-130	1.12	20	V-05
1,2,4-Trichlorobenzene	2.05	0.23	mg/Kg wet	2.27		90.6	70-130	3.58	20	
1,1,1-Trichloroethane	2.45	0.23	mg/Kg wet	2.27		108	70-130	5.31	20	
1,1,2-Trichloroethane	2.21	0.23	mg/Kg wet	2.27		97.3	70-130	2.39	20	
Trichloroethylene	2.26	0.23	mg/Kg wet	2.27		99.6	70-130	4.23	20	
Trichlorofluoromethane (Freon 11)	2.68	0.45	mg/Kg wet	2.27		118	70-130	0.169	20	V-06
1,2,3-Trichloropropane	1.82	0.45	mg/Kg wet	2.27		80.2	70-130	7.56	20	V-05
1,2,4-Trimethylbenzene	2.33	0.23	mg/Kg wet	2.27		103	70-130	5.39	20	
1,3,5-Trimethylbenzene	2.24	0.23	mg/Kg wet	2.27		98.8	70-130	3.87	20	
Vinyl Chloride	2.33	0.45	mg/Kg wet	2.27		103	70-130	2.12	20	†
m+p Xylene	4.49	0.45	mg/Kg wet	4.53		99.1	70-130	5.11	20	
o-Xylene	2.23	0.23	mg/Kg wet	2.27		98.4	70-130	6.39	20	
Surrogate: 1,2-Dichloroethane-d4	*5.95*		mg/Kg wet	5.33		112	70-130			
Surrogate: Toluene-d8	*5.73*		mg/Kg wet	5.33		108	70-130			
Surrogate: 4-Bromofluorobenzene	*5.67*		mg/Kg wet	5.33		106	70-130			
Batch B019237 - SW-846 5035										
Blank (B019237-BLK1)				Prepared & Analyzed: 09/07/10						
Trichloroethylene	ND	0.051	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*1.22*		mg/Kg wet	1.33		91.2	70-130			
Surrogate: Toluene-d8	*1.07*		mg/Kg wet	1.33		80.1	70-130			
Surrogate: 4-Bromofluorobenzene	*1.01*		mg/Kg wet	1.33		75.4	70-130			
LCS (B019237-BS1)				Prepared & Analyzed: 09/07/10						
Trichloroethylene	2.26	0.23	mg/Kg wet	2.27		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	*5.62*		mg/Kg wet	5.33		105	70-130			
Surrogate: Toluene-d8	*5.55*		mg/Kg wet	5.33		104	70-130			
Surrogate: 4-Bromofluorobenzene	*5.62*		mg/Kg wet	5.33		105	70-130			
LCS Dup (B019237-BSD1)				Prepared & Analyzed: 09/07/10						
Trichloroethylene	2.41	0.23	mg/Kg wet	2.27		106	70-130	6.50	20	
Surrogate: 1,2-Dichloroethane-d4	*5.68*		mg/Kg wet	5.33		107	70-130			
Surrogate: Toluene-d8	*5.72*		mg/Kg wet	5.33		107	70-130			
Surrogate: 4-Bromofluorobenzene	*5.71*		mg/Kg wet	5.33		107	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B019471 - SW-846 5035										
Blank (B019471-BLK1)				Prepared & Analyzed: 09/03/10						
cis-1,2-Dichloroethylene	ND	0.051	mg/Kg wet							
Trichloroethylene	ND	0.051	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*1.15*		mg/Kg wet	1.33		86.4	70-130			
Surrogate: Toluene-d8	*1.07*		mg/Kg wet	1.33		80.5	70-130			
Surrogate: 4-Bromofluorobenzene	*0.975*		mg/Kg wet	1.33		73.2	70-130			
LCS (B019471-BS1)				Prepared & Analyzed: 09/03/10						
cis-1,2-Dichloroethylene	2.39	0.23	mg/Kg wet	2.27		106	70-130			
Trichloroethylene	2.36	0.23	mg/Kg wet	2.27		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	*6.14*		mg/Kg wet	5.33		115	70-130			
Surrogate: Toluene-d8	*5.80*		mg/Kg wet	5.33		109	70-130			
Surrogate: 4-Bromofluorobenzene	*5.54*		mg/Kg wet	5.33		104	70-130			
LCS Dup (B019471-BSD1)				Prepared & Analyzed: 09/03/10						
cis-1,2-Dichloroethylene	2.42	0.23	mg/Kg wet	2.27		107	70-130	1.13	20	
Trichloroethylene	2.26	0.23	mg/Kg wet	2.27		99.6	70-130	4.23	20	
Surrogate: 1,2-Dichloroethane-d4	*5.95*		mg/Kg wet	5.33		112	70-130			
Surrogate: Toluene-d8	*5.73*		mg/Kg wet	5.33		108	70-130			
Surrogate: 4-Bromofluorobenzene	*5.67*		mg/Kg wet	5.33		106	70-130			

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QUALITY CONTROL

Tentatively Identified Compounds - Volatile Compounds (ESTIMATED VALUES REPORTED) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B018744 - SW-846 5035										
Blank (B018744-BLK1)				Prepared: 09/03/10 Analyzed: 04/08/11						
No TICs Found	0.0		mg/Kg wet							

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-05	Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.
S-21	Surrogate was diluted below its calibration range due to elevated levels of target analytes.
U	Analyte included in the analysis, but not detected
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
Acetone	CT,NH,NY,NC
Acetone	CT,NH,NY,NC
Acetone	CT,NH,NY,NC
tert-Amyl Methyl Ether (TAME)	NC
tert-Amyl Methyl Ether (TAME)	NC
tert-Amyl Methyl Ether (TAME)	NC
Benzene	CT,NH,NY,NC
Benzene	CT,NH,NY,NC
Benzene	CT,NH,NY,NC
Bromobenzene	NH,NY,NC
Bromobenzene	NH,NY,NC
Bromobenzene	NH,NY,NC
Bromochloromethane	NH,NY,NC
Bromochloromethane	NH,NY,NC
Bromochloromethane	NH,NY,NC
Bromodichloromethane	CT,NH,NY,NC
Bromodichloromethane	CT,NH,NY,NC
Bromodichloromethane	CT,NH,NY,NC
Bromoform	CT,NH,NY,NC
Bromoform	CT,NH,NY,NC
Bromoform	CT,NH,NY,NC
Bromomethane	CT,NH,NY,NC
Bromomethane	CT,NH,NY,NC
Bromomethane	CT,NH,NY,NC
2-Butanone (MEK)	CT,NH,NY,NC
2-Butanone (MEK)	CT,NH,NY,NC
2-Butanone (MEK)	CT,NH,NY,NC
n-Butylbenzene	CT,NH,NY,NC
n-Butylbenzene	CT,NH,NY,NC
n-Butylbenzene	CT,NH,NY,NC
sec-Butylbenzene	CT,NH,NY,NC
sec-Butylbenzene	CT,NH,NY,NC
sec-Butylbenzene	CT,NH,NY,NC
tert-Butylbenzene	CT,NH,NY,NC
tert-Butylbenzene	CT,NH,NY,NC
tert-Butylbenzene	CT,NH,NY,NC
tert-Butyl Ethyl Ether (TBEE)	NC
tert-Butyl Ethyl Ether (TBEE)	NC
tert-Butyl Ethyl Ether (TBEE)	NC
Carbon Disulfide	CT,NH,NY,NC
Carbon Disulfide	CT,NH,NY,NC
Carbon Disulfide	CT,NH,NY,NC
Carbon Tetrachloride	CT,NH,NY,NC
Carbon Tetrachloride	CT,NH,NY,NC
Carbon Tetrachloride	CT,NH,NY,NC
Chlorobenzene	CT,NH,NY,NC
Chlorobenzene	CT,NH,NY,NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
Chlorobenzene	CT,NH,NY,NC
Chlorodibromomethane	CT,NH,NY,NC
Chlorodibromomethane	CT,NH,NY,NC
Chlorodibromomethane	CT,NH,NY,NC
Chloroethane	CT,NH,NY,NC
Chloroethane	CT,NH,NY,NC
Chloroethane	CT,NH,NY,NC
Chloroform	CT,NH,NY,NC
Chloroform	CT,NH,NY,NC
Chloroform	CT,NH,NY,NC
Chloromethane	CT,NH,NY,NC
Chloromethane	CT,NH,NY,NC
Chloromethane	CT,NH,NY,NC
2-Chlorotoluene	CT,NH,NY,NC
2-Chlorotoluene	CT,NH,NY,NC
2-Chlorotoluene	CT,NH,NY,NC
4-Chlorotoluene	CT,NH,NY,NC
4-Chlorotoluene	CT,NH,NY,NC
4-Chlorotoluene	CT,NH,NY,NC
1,2-Dibromo-3-chloropropane (DBCP)	NC
1,2-Dibromo-3-chloropropane (DBCP)	NC
1,2-Dibromo-3-chloropropane (DBCP)	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dibromoethane (EDB)	NC
1,2-Dibromoethane (EDB)	NC
Dibromomethane	NH,NY,NC
Dibromomethane	NH,NY,NC
Dibromomethane	NH,NY,NC
1,2-Dichlorobenzene	CT,NH,NY,NC
1,2-Dichlorobenzene	CT,NH,NY,NC
1,2-Dichlorobenzene	CT,NH,NY,NC
1,3-Dichlorobenzene	CT,NH,NY,NC
1,3-Dichlorobenzene	CT,NH,NY,NC
1,3-Dichlorobenzene	CT,NH,NY,NC
1,4-Dichlorobenzene	CT,NH,NY,NC
1,4-Dichlorobenzene	CT,NH,NY,NC
1,4-Dichlorobenzene	CT,NH,NY,NC
Dichlorodifluoromethane (Freon 12)	NY,NC
Dichlorodifluoromethane (Freon 12)	NY,NC
Dichlorodifluoromethane (Freon 12)	NY,NC
1,1-Dichloroethane	CT,NH,NY,NC
1,1-Dichloroethane	CT,NH,NY,NC
1,1-Dichloroethane	CT,NH,NY,NC
1,2-Dichloroethane	CT,NH,NY,NC
1,2-Dichloroethane	CT,NH,NY,NC
1,2-Dichloroethane	CT,NH,NY,NC
1,1-Dichloroethylene	CT,NH,NY,NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
1,1-Dichloroethylene	CT,NH,NY,NC
1,1-Dichloroethylene	CT,NH,NY,NC
cis-1,2-Dichloroethylene	CT,NH,NY,NC
cis-1,2-Dichloroethylene	CT,NH,NY,NC
cis-1,2-Dichloroethylene	CT,NH,NY,NC
trans-1,2-Dichloroethylene	CT,NH,NY,NC
trans-1,2-Dichloroethylene	CT,NH,NY,NC
trans-1,2-Dichloroethylene	CT,NH,NY,NC
1,2-Dichloropropane	CT,NH,NY,NC
1,2-Dichloropropane	CT,NH,NY,NC
1,2-Dichloropropane	CT,NH,NY,NC
1,3-Dichloropropane	NH,NY,NC
1,3-Dichloropropane	NH,NY,NC
1,3-Dichloropropane	NH,NY,NC
2,2-Dichloropropane	NH,NY,NC
2,2-Dichloropropane	NH,NY,NC
2,2-Dichloropropane	NH,NY,NC
1,1-Dichloropropene	NH,NY,NC
1,1-Dichloropropene	NH,NY,NC
1,1-Dichloropropene	NH,NY,NC
cis-1,3-Dichloropropene	CT,NH,NY,NC
cis-1,3-Dichloropropene	CT,NH,NY,NC
cis-1,3-Dichloropropene	CT,NH,NY,NC
trans-1,3-Dichloropropene	CT,NH,NY,NC
trans-1,3-Dichloropropene	CT,NH,NY,NC
trans-1,3-Dichloropropene	CT,NH,NY,NC
Diethyl Ether	NC
Diethyl Ether	NC
Diethyl Ether	NC
Diisopropyl Ether (DIPE)	NC
Diisopropyl Ether (DIPE)	NC
Diisopropyl Ether (DIPE)	NC
1,4-Dioxane	NC
1,4-Dioxane	NC
1,4-Dioxane	NC
Ethylbenzene	CT,NH,NY,NC
Ethylbenzene	CT,NH,NY,NC
Ethylbenzene	CT,NH,NY,NC
Hexachlorobutadiene	NH,NY,NC
Hexachlorobutadiene	NH,NY,NC
Hexachlorobutadiene	NH,NY,NC
2-Hexanone (MBK)	CT,NH,NY,NC
2-Hexanone (MBK)	CT,NH,NY,NC
2-Hexanone (MBK)	CT,NH,NY,NC
Isopropylbenzene (Cumene)	CT,NH,NY,NC
Isopropylbenzene (Cumene)	CT,NH,NY,NC
Isopropylbenzene (Cumene)	CT,NH,NY,NC

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
p-Isopropyltoluene (p-Cymene)	NC
p-Isopropyltoluene (p-Cymene)	NC
p-Isopropyltoluene (p-Cymene)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	CT,NH,NY,NC
Methylene Chloride	CT,NH,NY,NC
Methylene Chloride	CT,NH,NY,NC
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,NC
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,NC
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,NC
Naphthalene	NH,NY,NC
Naphthalene	NH,NY,NC
Naphthalene	NH,NY,NC
n-Propylbenzene	NC
n-Propylbenzene	NC
n-Propylbenzene	NC
Styrene	CT,NH,NY,NC
Styrene	CT,NH,NY,NC
Styrene	CT,NH,NY,NC
1,1,1,2-Tetrachloroethane	CT,NH,NY,NC
1,1,1,2-Tetrachloroethane	CT,NH,NY,NC
1,1,1,2-Tetrachloroethane	CT,NH,NY,NC
1,1,2,2-Tetrachloroethane	CT,NH,NY,NC
1,1,2,2-Tetrachloroethane	CT,NH,NY,NC
1,1,2,2-Tetrachloroethane	CT,NH,NY,NC
Tetrachloroethylene	CT,NH,NY,NC
Tetrachloroethylene	CT,NH,NY,NC
Tetrachloroethylene	CT,NH,NY,NC
Tetrahydrofuran	NC
Tetrahydrofuran	NC
Tetrahydrofuran	NC
Toluene	CT,NH,NY,NC
Toluene	CT,NH,NY,NC
Toluene	CT,NH,NY,NC
1,2,3-Trichlorobenzene	NC
1,2,3-Trichlorobenzene	NC
1,2,3-Trichlorobenzene	NC
1,2,4-Trichlorobenzene	NH,NY,NC
1,2,4-Trichlorobenzene	NH,NY,NC
1,2,4-Trichlorobenzene	NH,NY,NC
1,1,1-Trichloroethane	CT,NH,NY,NC
1,1,1-Trichloroethane	CT,NH,NY,NC
1,1,1-Trichloroethane	CT,NH,NY,NC
1,1,2-Trichloroethane	CT,NH,NY,NC
1,1,2-Trichloroethane	CT,NH,NY,NC

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
1,1,2-Trichloroethane	CT,NH,NY,NC
Trichloroethylene	CT,NH,NY,NC
Trichloroethylene	CT,NH,NY,NC
Trichloroethylene	CT,NH,NY,NC
Trichlorofluoromethane (Freon 11)	CT,NH,NY,NC
Trichlorofluoromethane (Freon 11)	CT,NH,NY,NC
Trichlorofluoromethane (Freon 11)	CT,NH,NY,NC
1,2,3-Trichloropropane	NH,NY,NC
1,2,3-Trichloropropane	NH,NY,NC
1,2,3-Trichloropropane	NH,NY,NC
1,2,4-Trimethylbenzene	CT,NH,NY,NC
1,2,4-Trimethylbenzene	CT,NH,NY,NC
1,2,4-Trimethylbenzene	CT,NH,NY,NC
1,3,5-Trimethylbenzene	CT,NH,NY,NC
1,3,5-Trimethylbenzene	CT,NH,NY,NC
1,3,5-Trimethylbenzene	CT,NH,NY,NC
Vinyl Chloride	CT,NH,NY,NC
Vinyl Chloride	CT,NH,NY,NC
Vinyl Chloride	CT,NH,NY,NC
m+p Xylene	CT,NH,NY,NC
m+p Xylene	CT,NH,NY,NC
m+p Xylene	CT,NH,NY,NC
o-Xylene	CT,NH,NY,NC
o-Xylene	CT,NH,NY,NC
o-Xylene	CT,NH,NY,NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2012

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
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Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

10I 0004

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page 1 of 1

Company Name: TRC
Address: 650 Suffolk St.
Lowell MA 01854
Attention: David Sullivan
Project Location: City of New Bedford
Sampled By: J. Saunders

Telephone: (978) 656-3565
Project # 115058
Client PO # 26827

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: dsullivan@trcsolutions.com
Format: ☒ EXCEL ☐ PDF ☒ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☒ yes 2007 proposal date

State Form Required? ☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix	Conc. Code	VOCs (8260)	TOC	Oil Fingerprint	8260									# of containers	**Preservation	~Cont. Code
									4	1													
									M/O	Ice													
									G/V	G													
	MW-27 (6-8)	-01	8/30/10	1340		X	S	U	X														
	MW-28 (8-10)	02	8/30/10	1445		X	S	U	X	X													
	MW-27	03	8/30/10	1700		X	W	H			X	(*)											
	0-41-10 22:53 IN																						
	(*) Per attached email, analyze MW-27 for a full 8260 and analyze DNAPL layer (MK) 9/2/10																						

Client Comments:

Laboratory Comments: ~~(*) analyze oil layer for MW-27 for fingerprint per Dave S (HB) 9/2/10~~

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in **Matrix/Conc.** Code Box:
H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

Relinquished by: (signature)	Date/Time: 8/31/10 1200
Received by: (signature)	Date/Time: 8/31 1700
Relinquished by: (signature)	Date/Time: 8/31 2000
Received by: (signature) Paula Blakeborough	Date/Time: 8/31/10 2000

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 5 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? MCP
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's: See Quote

***Matrix Code:**
GW = groundwater
WW = wastewater
DW = drinking water
A = air
S = soil/solid
SL = sludge
O = other

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

~Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V=vial
S=summa can
T=tedlar bag
O=Other

* TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

www.contestlabs.com

con-test® ANALYTICAL LABORATORY

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

Sample Receipt Checklist

CLIENT NAME: TRC RECEIVED BY: PB DATE: 8/31/10

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5°

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes (No) Stored where: _____

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature:

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	2
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	2
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below	6	SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 2

Bisulfate _____ # DI Water 4

Thiosulfate _____ Unpreserved _____

Time and Date Frozen: 08-31-10 [illegible]

Do all samples have the proper Acid pH: Yes No N/A _____

Do all samples have the proper Base pH: Yes No N/A _____

June 2010

Meghan Kelley

From: Sullivan, Dave (Lowell,MA-US) [DSullivan@trcsolutions.com]
Sent: Thursday, September 02, 2010 2:14 PM
To: Meghan Kelley
Cc: Leonard, Alfred (Lowell,MA-US)
Subject: RE: City of New Bedford

Non-aqueous

David M. Sullivan, LSP, CHMM
Senior Project Manager

TRC

TRC
Wannalancit Mills
650 Suffolk Street
Lowell, Massachusetts 01854

978-656-3565 phone
978-453-1995 fax
978-758-2809 cell
dsullivan@trcsolutions.com

From: Meghan Kelley [mailto:mkelley@contestlabs.com]
Sent: Thursday, September 02, 2010 2:09 PM
To: Sullivan, Dave (Lowell,MA-US)
Cc: Leonard, Alfred (Lowell,MA-US)
Subject: RE: City of New Bedford

Hi Dave,

We can analyze the aqueous layer and/or the non aqueous phase liquid which is heavier than the aqueous layer for 8260.

-Meghan

From: Sullivan, Dave (Lowell,MA-US) [mailto:DSullivan@trcsolutions.com]
Sent: Thursday, September 02, 2010 11:31 AM
To: Meghan Kelley
Cc: Leonard, Alfred (Lowell,MA-US)
Subject: RE: City of New Bedford

Full 8260. I only mentioned chlorinated solvents because that's what we think it is.

Do you have a third phase (i.e., water, floater, sinker)?

David M. Sullivan, LSP, CHMM
Senior Project Manager

TRC
Wannalancit Mills
650 Suffolk Street
Lowell, Massachusetts 01854

978-656-3565 phone
978-453-1995 fax
978-758-2809 cell
dsullivan@trcsolutions.com

From: Meghan Kelley [mailto:mkelley@contestlabs.com]
Sent: Thursday, September 02, 2010 10:40 AM
To: Sullivan, Dave (Lowell,MA-US)
Subject: City of New Bedford

Hi Dave,

The lab wanted me to confirm if you wanted us to analyze for just chlorinated solvents or a full 8260 on either the DNAPL or the oil layer??

-Meghan

Meghan Kelley
Con-Test Analytical Laboratory
39 Spruce Street
East Longmeadow, MA 01028
Tel: (413) 525-2332 x55
Fax: (413) 525-6405
mkelley@contestlabs.com

ANALYTICAL REPORT

Lab Number:	L1013586
Client:	Con-Test Laboratory PO Box 591 39 Spruce Street East Longmeadow, MA 01028
ATTN:	Meghan Kelley
Phone:	(413) 525-2332
Project Name:	Not Specified
Project Number:	Not Specified
Report Date:	09/17/10

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

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

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1013586
Report Date: 09/17/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1013586-01	10I0004-02	Not Specified	08/30/10 14:45

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1013586
Report Date: 09/17/10

Case Narrative

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

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

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

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

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: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/17/10

INORGANICS
&
MISCELLANEOUS

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1013586
Report Date: 09/17/10

SAMPLE RESULTS

Lab ID: L1013586-01
Client ID: 10I0004-02
Sample Location: Not Specified
Matrix: Soil

Date Collected: 08/30/10 14:45
Date Received: 09/02/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.101		%	0.010	--	1	-	09/17/10 06:00	1,9060	NR
General Chemistry - Mansfield Lab										
Solids, Total	93.0		%	0.100	--	1	-	09/08/10 14:32	30,2540G	KB

Project Name:

Project Number: Not Specified

Lab Number: L1013586

Report Date: 09/17/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 01 Batch: WG431378-1									
Total Organic Carbon	ND		%	0.010	1	-	09/17/10 06:00	1,9060	NR

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1013586
Report Date: 09/17/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG431437-1 QC Sample: L1013586-01 Client ID: 10I0004-02						
Solids, Total	93	92.1	%	1		20

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1013586
Report Date: 09/17/10

S.R.M. Standard Quality Control

Standard Reference Material (SRM): WG431378-2

Parameter	% Recovery	Qual	QC Criteria
Total Organic Carbon	113		75-125

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1013586
Report Date: 09/17/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1013586-01A	Glass 250ml unpreserved	A	N/A	4	Y	Absent	A2-TS(7),A2-TOC-9060(28)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L1013586
Report Date: 09/17/10

GLOSSARY

Acronyms

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

Terms

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
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: Not Specified
Project Number: Not Specified
Lab Number: L1013586
Report Date: 09/17/10

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.

Report Format: Data Usability Report

Project Name: Not Specified **Lab Number:** L1013586
Project Number: Not Specified **Report Date:** 09/17/10

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

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, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, 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, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

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

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

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

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

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

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

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

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

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

Certificate/Approval Program Summary

Last revised July 19, 2010 – Mansfield Facility

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

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

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

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312,3051, 6020, 747A, 7474, 9045C,9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl.

SUBCONTRACT ORDER ALPHA Job # L1013586

Con-Test Analytical Laboratory

10I0004

SENDING LABORATORY:

Con-Test Analytical Laboratory
39 Spruce Street
East Longmeadow, MA 01028
Phone: 413.525.2332
Fax: 413.525.6405
Project Manager: Meghan E. Kelley

RECEIVING LABORATORY:

Alpha Analytical Laboratory
8 Walkup Drive
Westborough, MA 01581
Phone :(508) 898-9220
Fax: (508) 898-9193

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 10I0004-02	**Soil**	**Sampled:08/30/10 14:45**		
Total Organic Carbon Soil	09/07/10 23:59	09/13/10 14:45		
Containers Supplied:				
8 oz clear glass (E)				

Released By	Date	Received By	Date
[signature]	9-2-10 0901	[signature]	9/2/10 0901

SUBCONTRACT ORDER ALPHA Job # L1013586

Con-Test Analytical Laboratory

10I0004

SENDING LABORATORY:

Con-Test Analytical Laboratory
39 Spruce Street
East Longmeadow, MA 01028
Phone: 413.525.2332
Fax: 413.525.6405
Project Manager: Meghan E. Kelley

RECEIVING LABORATORY:

Alpha Analytical Laboratory
8 Walkup Drive
Westborough, MA 01581
Phone :(508) 898-9220
Fax: (508) 898-9193

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 10I0004-02	**Soil**	**Sampled:08/30/10 14:45**	[redacted]	
Total Organic Carbon Soil	09/07/10 23:59	09/13/10 14:45		
Containers Supplied:				
8 oz clear glass (E)				

Released By	Date	Received By	Date
[signature]	9-2-10 0901	[signature]	9/2/10 0901
[signature]	9/	P. Gilbert	9-2-10 17:30
P. Gilbert	9/2/10 18:20	[signature]	9/2/10 19:00

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 10I0004
Project Location: City of New Bedford	RTN:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

10I0004-01 thru 10I0004-03

Matrices: Product/Solid Soil

CAM Protocol (check all that below)

8260 VOC CAM II A (X)	7470/7471 Hg CAM IIIB ( )	MassDEP VPH CAM IV A ( )	8081 Pesticides CAM V B ( )	7196 Hex Cr CAM VI B ( )	MassDEP APH CAM IX A ( )
8270 SVOC CAM II B ( )	7010 Metals CAM III C ( )	MassDEP EPH CAM IV A ( )	8151 Herbicides CAM V C ( )	8330 Explosives CAM VIII A ( )	TO-15 VOC CAM IX B ( )
6010 Metals CAM III A ( )	6020 Metals CAM III D ( )	8082 PCB CAM V A ( )	9014 Total Cyanide/PAC CAM VI A ( )	6860 Perchlorate CAM VIII B ( )	

Affirmative response to Questions A throughF 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	☐ No[1]
B	Were the analytical method(s) and all associated QC requirements specificed in the selected CAM protocol(s) followed?	☑ Yes	☐ No[1]
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	☐ No[1]
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidlines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☐ Yes	☐ No[1]
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes	☐ No[1]
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Qestions A through E)?	☑ Yes	☐ No[1]

A response to questions G, H and I below is required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	☐ Yes	☑ No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.**

H	Were all QC perfomance standards specified in the CAM protocol(s) achieved?	☐ Yes	☑ No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	☑ Yes	☐ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ Position: Laboratory Manager

Printed Name: Daren J. Damboragian Date: 04/08/11

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 17, 2010

David Sullivan
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: City of New Bedford - NBHS
Client Job Number:
Project Number: 115058
Laboratory Work Order Number: 10H0837

Enclosed are results of analyses for samples received by the laboratory on August 27, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: David Sullivan

REPORT DATE: 9/17/2010

PURCHASE ORDER NUMBER: 26827

PROJECT NUMBER: 115058

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10H0837

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: City of New Bedford - NBHS

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MW-7D (8-10)	10H0837-02	Soil		SW 846 9060	MA M-MA-086/CT PH-0574/NY11148
MW-7D (10-12)	10H0837-03	Soil		SW 846 9060	MA M-MA-086/CT PH-0574/NY11148
MW-7D (13-15)	10H0837-04	Soil		SW 846 9060	MA M-MA-086/CT PH-0574/NY11148

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City of New Bedford - NBHS
Sample Description:
Work Order: 10H0837

Date Received: 8/27/2010

Field Sample #: MW-7D (8-10)
Sampled: 8/24/2010 13:00

Sample ID: 10H0837-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-8

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	4.4	0.01	%	1		SW 846 9060		9/17/10 6:00	AAL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City of New Bedford - NBHS
Sample Description:
Work Order: 10H0837

Date Received: 8/27/2010

Field Sample #: MW-7D (10-12)
Sampled: 8/24/2010 13:20

Sample ID: 10H0837-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-8

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	23.9	0.01	%	1		SW 846 9060		9/17/10 6:00	AAL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: City of New Bedford - NBHS
Sample Description:
Work Order: 10H0837

Date Received: 8/27/2010

Field Sample #: MW-7D (13-15)
Sampled: 8/24/2010 13:30

Sample ID: 10H0837-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-8

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Total Organic Carbon	0.352	0.01	%	1		SW 846 9060		9/17/10 6:00	AAL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

10H0837

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page 1 of 1

Company Name: TRC
Address: 650 Suffolk St.
Lowell MA 01854
Attention: David Sullivan
Project Location: City of New Bedford - NBHS
Sampled By: J. Ficco / J. Saunders

Telephone: (978) 656-3565
Project # 115058
Client PO # 76827

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: dsullivan@trcsolutions.com
Format: ☒ EXCEL ☐ PDF ☒ GIS KEY ☐ OTHER

Proposal Provided? (For Billing purposes) ☒ yes 2007 proposal date

State Form Required? ☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	TOC										# of containers / **Preservation / ~Container Code
									I										
									Iu										
									b										
	MW-5D (15-16.75)	-01	8/24/10	1000		X	S	U	X									(HOLD)	
	MW-7D (8-10)	02		1300		X	S	U	X										
	MW-7D (10-12)	03		1320		X	S	U	X										
	MW-7D (13-15)	04		1330		X	S	U	X										
	~~MW-7D (15-17)~~		~~8/24/10~~	~~1350~~		~~X~~	~~S~~	~~U~~	~~X~~		JS	8/27/10							
	MW-7D (20-22)	05	8/24/10	1400		X	S	U	X									(HOLD)	

Client Comments:

~Cont. Code: A=amber glass, G=glass, P=plastic, ST=sterile, V=vial, S=summa can, T=tedlar bag, O=Other

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 8/27/10 1300
Received by: (signature)	Date/Time: 8/27/10 1310
Relinquished by: (signature)	Date/Time: 8/27/10 1755
Received by: (signature)	Date/Time: 8-27 1755

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 5 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? MCP
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's: Per Quote

***Matrix Code:**
GW = groundwater
WW = wastewater
DW = drinking water
A = air
S = soil/solid
SL = sludge
O = other

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

** TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAC & WBE/DBE Certified

www.contestlabs.com

con-test ANALYTICAL LABORATORY

Sample Receipt Checklist

39 Spruce St.
East Longmeadow, MA.
01028
P: 413-525-2332
F: 413-525-6405

CLIENT NAME: TRC RECEIVED BY: RB DATE: 8-27

1) Was the chain(s) of custody relinquished and signed? (Yes) No

2) Does the chain agree with the samples? (Yes) No

If not, explain:

3) Are all the samples in good condition? (Yes) No

If not, explain:

4) How were the samples received:

On Ice [1] Direct from Sampling [ ] Ambient [ ] In Cooler(s) [1]

Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.0

5) Are there Dissolved samples for the lab to filter? Yes (No)

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes (No) Stored where: [ ]

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	5
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

aboratory Comments:

) mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

) all samples have the proper Acid pH: Yes No N/A _____

) all samples have the proper Base pH: Yes No N/A _____

ANALYTICAL REPORT

Lab Number:	L1013604
Client:	Con-Test Laboratory PO Box 591 39 Spruce Street East Longmeadow, MA 01028
ATTN:	Meghan Kelley
Phone:	(413) 525-2332
Project Name:	Not Specified
Project Number:	Not Specified
Report Date:	09/17/10

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

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

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1013604
Report Date: 09/17/10

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1013604-01	10H0837-02	Not Specified	08/24/10 13:00
L1013604-02	10H0837-03	Not Specified	08/24/10 13:20
L1013604-03	10H0837-04	Not Specified	08/24/10 13:30

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1013604
Report Date: 09/17/10

Case Narrative

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

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

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

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

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: Cynthia McQueen

Title: Technical Director/Representative

Date: 09/17/10

INORGANICS
&
MISCELLANEOUS

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1013604
Report Date: 09/17/10

SAMPLE RESULTS

Lab ID: L1013604-01
Client ID: 10H0837-02
Sample Location: Not Specified
Matrix: Soil

Date Collected: 08/24/10 13:00
Date Received: 09/02/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	4.40		%	0.010	--	1	-	09/17/10 06:00	1,9060	NR
General Chemistry - Mansfield Lab										
Solids, Total	72.3		%	0.100	--	1	-	09/06/10 14:15	30,2540G	NR

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1013604
Report Date: 09/17/10

SAMPLE RESULTS

Lab ID: L1013604-02
Client ID: 10H0837-03
Sample Location: Not Specified
Matrix: Soil

Date Collected: 08/24/10 13:20
Date Received: 09/02/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	23.9		%	0.010	--	1	-	09/17/10 06:00	1,9060	NR
General Chemistry - Mansfield Lab										
Solids, Total	27.8		%	0.100	--	1	-	09/06/10 14:15	30,2540G	NR

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1013604
Report Date: 09/17/10

SAMPLE RESULTS

Lab ID: L1013604-03
Client ID: 10H0837-04
Sample Location: Not Specified
Matrix: Soil

Date Collected: 08/24/10 13:30
Date Received: 09/02/10
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon	0.352		%	0.010	--	1	-	09/17/10 06:00	1,9060	NR
General Chemistry - Mansfield Lab										
Solids, Total	79.2		%	0.100	--	1	-	09/06/10 14:15	30,2540G	NR

Project Name:

Project Number: Not Specified

Lab Number: L1013604

Report Date: 09/17/10

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab for sample(s): 01-03 Batch: WG431375-1									
Total Organic Carbon	ND		%	0.010	1	-	09/17/10 06:00	1,9060	NR

Lab Duplicate Analysis
Batch Quality Control

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1013604
Report Date: 09/17/10

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG431136-1 QC Sample: L1013268-01 Client ID: DUP Sample						
Solids, Total	70.5	71.0	%	1		20

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1013604
Report Date: 09/17/10

S.R.M. Standard Quality Control

Standard Reference Material (SRM): WG431375-2

Parameter	% Recovery	Qual	QC Criteria
Total Organic Carbon	113		75-125

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L1013604
Report Date: 09/17/10

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1013604-01A	Glass 250ml unpreserved	A	N/A	4	Y	Absent	A2-TS(7),A2-TOC-9060(28)
L1013604-02A	Glass 250ml unpreserved	A	N/A	4	Y	Absent	A2-TS(7),A2-TOC-9060(28)
L1013604-03A	Glass 250ml unpreserved	A	N/A	4	Y	Absent	A2-TS(7),A2-TOC-9060(28)

*Values in parentheses indicate holding time in days

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L1013604
Report Date: 09/17/10

GLOSSARY

Acronyms

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

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

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

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:	Not Specified	**Lab Number:**	L1013604
Project Number:	Not Specified	**Report Date:**	09/17/10

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.

Report Format: Data Usability Report

Project Name: Not Specified
Project Number: Not Specified
Lab Number: L1013604
Report Date: 09/17/10

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

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, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, 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, SM4500Cl-D, 2320B, SM2540C, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), 314.0, 332.
Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; MF-SM9222D
Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Ti,Tl, V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)

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

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 120.1, 300.0, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 420.1, 1664A, SW-846 9010, 9030, 9040B, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, SM2120B, 2510B, 5310C, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, LACHAT 10-117-07-1A or B, SM4500Cl-E, 4500F-C, SM15 426C, EPA 350.1, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, SM4500-CN-E LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

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

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Non-Potable Water (Organic Parameters: EPA 3510C, 5030B, 625, 624. 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)
Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, 1311, 3050B, 3051, 6010B, EPA 7.3.3.2, EPA 7.3.4.2, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065. Organic Parameters: 3540C, 3545, 3580A, 5035, 8021B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2¯D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

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

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

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

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

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

Certificate/Approval Program Summary

Last revised July 19, 2010 – Mansfield Facility

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

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

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

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312,3051, 6020, 747A, 7474, 9045C,9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl.

SUBCONTRACT ORDER

Con-Test Analytical Laboratory ALPHA Job # L1013604

10H0837

SENDING LABORATORY:

Con-Test Analytical Laboratory
39 Spruce Street
East Longmeadow, MA 01028
Phone: 413.525.2332
Fax: 413.525.6405
Project Manager: Meghan E. Kelley

RECEIVING LABORATORY:

Alpha Analytical Laboratory
8 Walkup Drive
Westborough, MA 01581
Phone :(508) 898-9220
Fax: (508) 898-9193

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 10H0837-02	**Soil**	**Sampled:08/24/10 13:00**		
Total Organic Carbon Soil	09/03/10 23:59	09/07/10 13:00		
Containers Supplied:				
Sample ID: 10H0837-03	**Soil**	**Sampled:08/24/10 13:20**		
Total Organic Carbon Soil	09/03/10 23:59	09/07/10 13:20		
Containers Supplied:				
Sample ID: 10H0837-04	**Soil**	**Sampled:08/24/10 13:30**		
Total Organic Carbon Soil	09/03/10 23:59	09/07/10 13:30		
Containers Supplied:				

Released By	Date	Received By	Date
[signature]	9-2-10	[signature]	9-2-10 09:01
Released By	Date	Received By	Date

Serial No:09171016:17

SUBCONTRACT ORDE

Con-Test Analytical Laboratory ALPHA Job # L1013604

10H0837

SENDING LABORATORY:

Con-Test Analytical Laboratory
39 Spruce Street
East Longmeadow, MA 01028
Phone: 413.525.2332
Fax: 413.525.6405
Project Manager: Meghan E. Kelley

RECEIVING LABORATORY:

Alpha Analytical Laboratory
8 Walkup Drive
Westborough, MA 01581
Phone :(508) 898-9220
Fax: (508) 898-9193

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: 10H0837-02	**Soil**	**Sampled:08/24/10 13:00**	[redacted]	
Total Organic Carbon Soil	09/03/10 23:59	09/07/10 13:00		
Containers Supplied:				
Sample ID: 10H0837-03	**Soil**	**Sampled:08/24/10 13:20**	[redacted]	
Total Organic Carbon Soil	09/03/10 23:59	09/07/10 13:20		
Containers Supplied:				
Sample ID: 10H0837-04	**Soil**	**Sampled:08/24/10 13:30**	[redacted]	
Total Organic Carbon Soil	09/03/10 23:59	09/07/10 13:30		
Containers Supplied:				

Released By	Date	Received By	Date
[signature]	9-2-10	[signature]	9-2-10 09:01
[signature]		P. Gilbert	9-2-10 17:30
P. Gilbert	9/2/10 18:20	[signature]	9/2/10 19:00

Page 1 of 1

ANALYTICAL REPORT

Lab Number:	L1103089
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	David Sullivan
Phone:	(978) 656-3565
Project Name:	CITY OF NB
Project Number:	115058
Report Date:	03/14/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY 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: CITY OF NB
Project Number: 115058

Lab Number: L1103089
Report Date: 03/14/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1103089-01	MW-32	NBHS	03/08/11 16:55
L1103089-02	MW-28	NBHS	03/08/11 17:00
L1103089-03	MW-31	NBHS	03/08/11 18:30
L1103089-04	MW-27D	NBHS	03/08/11 19:15
L1103089-05	MW-33	NBHS	03/08/11 20:25
L1103089-06	MW-27R	NBHS	03/08/11 21:05
L1103089-07	DUP-1	NBHS	03/08/11 00:00
L1103089-08	MW-5	NBHS	03/08/11 21:25
L1103089-09	TRIP BLANK	NBHS	03/08/11 00:00

Project Name: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

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: CITY OF NB **Lab Number:** L1103089
Project Number: 115058 **Report Date:** 03/14/11

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

L1103089-01, -06 and -07 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

In reference to question G:

L1103089-01: Methylene chloride, 1,1-Dichloroethane, Chloroform, Carbon tetrachloride, 1,2-Dichloropropane, Dibromochloromethane, 1,1,2-Trichloroethane, Tetrachloroethene, Chlorobenzene, Trichlorofluoromethane, 1,2-Dichloroethane, 1,1,1-Trichloroethane, Bromodichloromethane, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1-Dichloropropene, Bromoform, 1,1,2,2-Tetrachloroethane, Benzene, Toluene, Ethylbenzene, Chloromethane, Bromomethane, Vinyl chloride, Chloroethane, 1,1-Dichloroethene, trans-1,2-Dichloroethene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene,

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Case Narrative (continued)

Methyl tert butyl ether, p/m-Xylene, o-Xylene, Dibromomethane, 1,2,3-Trichloropropane, Styrene, Dichlorodifluoromethane, Acetone, Carbon disulfide, 2-Butanone, 4-Methyl-2-pentanone, 2-Hexanone, Bromochloromethane, Tetrahydrofuran, 2,2-Dichloropropane, 1,2-Dibromoethane, 1,3-Dichloropropane, 1,1,1,2-Tetrachloroethane, Bromobenzene, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, o-Chlorotoluene, p-Chlorotoluene, 1,2-Dibromo-3-chloropropane, Hexachlorobutadiene, Isopropylbenzene, p-Isopropyltoluene, Naphthalene, n-Propylbenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, Ethyl ether, Isopropyl Ether, Ethyl-Tert-Butyl-Ether, Tertiary-Amyl Methyl Ether and 1,4-Dioxane did not achieve the requested CAM reporting limits.
L1103089-02 through -05, -08 and -09: Tetrahydrofuran did not achieve the requested CAM reporting limits.
L1103089-06 and -07: Methylene chloride, 1,1-Dichloroethane, Chloroform, Carbon tetrachloride, 1,2-Dichloropropane, Dibromochloromethane, 1,1,2-Trichloroethane, Tetrachloroethene, Chlorobenzene, Trichlorofluoromethane, 1,2-Dichloroethane, 1,1,1-Trichloroethane, Bromodichloromethane, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1-Dichloropropene, Bromoform, 1,1,2,2-Tetrachloroethane, Benzene, Toluene, Ethylbenzene, Chloromethane, Bromomethane, Vinyl chloride, Chloroethane, 1,1-Dichloroethene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Methyl tert butyl ether, p/m-Xylene, o-Xylene, Dibromomethane, 1,2,3-Trichloropropane, Styrene, Dichlorodifluoromethane, Acetone, Carbon disulfide, 2-Butanone, 4-Methyl-2-pentanone, 2-Hexanone, Bromochloromethane, Tetrahydrofuran, 2,2-Dichloropropane, 1,2-Dibromoethane, 1,3-Dichloropropane, 1,1,1,2-Tetrachloroethane, Bromobenzene, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, o-Chlorotoluene, p-Chlorotoluene, 1,2-Dibromo-3-chloropropane, Hexachlorobutadiene, Isopropylbenzene, p-Isopropyltoluene, Naphthalene, n-Propylbenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, Ethyl ether, Isopropyl Ether, Ethyl-Tert-Butyl-Ether, Tertiary-Amyl Methyl Ether and 1,4-Dioxane did not achieve the requested CAM reporting limits.
In reference to question H:
The initial calibration, associated with L1103089-01 through -09, did not meet the method required minimum response factors on the lowest calibration standards for 2-Butanone (0.06976), 4-Methyl-2-pentanone (0.05668) and 1,4-Dioxane (0.00134), as well as the average response factor for 2-Butanone, 4-Methyl-2-pentanone and 1,4-Dioxane. In addition, a quadratic fit was utilized for Tetrahydrofuran and Acetone.

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Case Narrative (continued)

The continuing calibration standard, associated with L1103089-01 through -09, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 03/14/11

ORGANICS

VOLATILES

Project Name: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-01	D	Date Collected:	03/08/11 16:55
Client ID:	MW-32		Date Received:	03/09/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	03/11/11 17:27			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	1000	--	500
1,1-Dichloroethane	ND		ug/l	500	--	500
Chloroform	ND		ug/l	500	--	500
Carbon tetrachloride	ND		ug/l	500	--	500
1,2-Dichloropropane	ND		ug/l	500	--	500
Dibromochloromethane	ND		ug/l	500	--	500
1,1,2-Trichloroethane	ND		ug/l	500	--	500
Tetrachloroethene	ND		ug/l	500	--	500
Chlorobenzene	ND		ug/l	500	--	500
Trichlorofluoromethane	ND		ug/l	1000	--	500
1,2-Dichloroethane	ND		ug/l	500	--	500
1,1,1-Trichloroethane	ND		ug/l	500	--	500
Bromodichloromethane	ND		ug/l	500	--	500
trans-1,3-Dichloropropene	ND		ug/l	250	--	500
cis-1,3-Dichloropropene	ND		ug/l	250	--	500
1,1-Dichloropropene	ND		ug/l	1000	--	500
Bromoform	ND		ug/l	1000	--	500
1,1,2,2-Tetrachloroethane	ND		ug/l	500	--	500
Benzene	ND		ug/l	500	--	500
Toluene	ND		ug/l	500	--	500
Ethylbenzene	ND		ug/l	500	--	500
Chloromethane	ND		ug/l	1000	--	500
Bromomethane	ND		ug/l	1000	--	500
Vinyl chloride	ND		ug/l	500	--	500
Chloroethane	ND		ug/l	1000	--	500
1,1-Dichloroethene	ND		ug/l	500	--	500
trans-1,2-Dichloroethene	ND		ug/l	500	--	500
Trichloroethene	17000		ug/l	500	--	500
1,2-Dichlorobenzene	ND		ug/l	500	--	500
1,3-Dichlorobenzene	ND		ug/l	500	--	500

Project Name: CITY OF NB **Lab Number:** L1103089

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SAMPLE RESULTS

Lab ID: L1103089-01 D Date Collected: 03/08/11 16:55

Client ID: MW-32 Date Received: 03/09/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	500	--	500
Methyl tert butyl ether	ND		ug/l	1000	--	500
p/m-Xylene	ND		ug/l	1000	--	500
o-Xylene	ND		ug/l	500	--	500
cis-1,2-Dichloroethene	910		ug/l	500	--	500
Dibromomethane	ND		ug/l	1000	--	500
1,2,3-Trichloropropane	ND		ug/l	1000	--	500
Styrene	ND		ug/l	500	--	500
Dichlorodifluoromethane	ND		ug/l	1000	--	500
Acetone	ND		ug/l	2500	--	500
Carbon disulfide	ND		ug/l	1000	--	500
2-Butanone	ND		ug/l	2500	--	500
4-Methyl-2-pentanone	ND		ug/l	2500	--	500
2-Hexanone	ND		ug/l	2500	--	500
Bromochloromethane	ND		ug/l	1000	--	500
Tetrahydrofuran	ND		ug/l	2500	--	500
2,2-Dichloropropane	ND		ug/l	1000	--	500
1,2-Dibromoethane	ND		ug/l	1000	--	500
1,3-Dichloropropane	ND		ug/l	1000	--	500
1,1,1,2-Tetrachloroethane	ND		ug/l	500	--	500
Bromobenzene	ND		ug/l	1000	--	500
n-Butylbenzene	ND		ug/l	1000	--	500
sec-Butylbenzene	ND		ug/l	1000	--	500
tert-Butylbenzene	ND		ug/l	1000	--	500
o-Chlorotoluene	ND		ug/l	1000	--	500
p-Chlorotoluene	ND		ug/l	1000	--	500
1,2-Dibromo-3-chloropropane	ND		ug/l	1000	--	500
Hexachlorobutadiene	ND		ug/l	300	--	500
Isopropylbenzene	ND		ug/l	1000	--	500
p-Isopropyltoluene	ND		ug/l	1000	--	500
Naphthalene	ND		ug/l	1000	--	500
n-Propylbenzene	ND		ug/l	1000	--	500
1,2,3-Trichlorobenzene	ND		ug/l	1000	--	500
1,2,4-Trichlorobenzene	ND		ug/l	1000	--	500
1,3,5-Trimethylbenzene	ND		ug/l	1000	--	500
1,2,4-Trimethylbenzene	ND		ug/l	1000	--	500
Ethyl ether	ND		ug/l	1000	--	500

Project Name: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-01	D	Date Collected:	03/08/11 16:55
Client ID:	MW-32		Date Received:	03/09/11
Sample Location:	NBHS		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Isopropyl Ether	ND		ug/l	1000	--	500
Ethyl-Tert-Butyl-Ether	ND		ug/l	1000	--	500
Tertiary-Amyl Methyl Ether	ND		ug/l	1000	--	500
1,4-Dioxane	ND		ug/l	120000	--	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: CITY OF NB
Project Number: 115058

Lab Number: L1103089
Report Date: 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-02	Date Collected:	03/08/11 17:00
Client ID:	MW-28	Date Received:	03/09/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	03/11/11 14:49		
Analyst:	MM		

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	10		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	15		ug/l	1.0	--	1
Trichloroethene	110		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: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID: L1103089-02 Date Collected: 03/08/11 17:00

Client ID: MW-28 Date Received: 03/09/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dichlorobenzene	2.7		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	70		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	5.0	--	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

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SAMPLE RESULTS

Lab ID:	L1103089-02	Date Collected:	03/08/11 17:00
Client ID:	MW-28	Date Received:	03/09/11
Sample Location:	NBHS	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	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	102		70-130

Project Name: CITY OF NB
Project Number: 115058

Lab Number: L1103089
Report Date: 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-03	Date Collected:	03/08/11 18:30
Client ID:	MW-31	Date Received:	03/09/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	03/11/11 15:20		
Analyst:	MM		

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: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID: L1103089-03 Date Collected: 03/08/11 18:30

Client ID: MW-31 Date Received: 03/09/11

Sample Location: NBHS 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	5.0	--	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: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-03	Date Collected:	03/08/11 18:30
Client ID:	MW-31	Date Received:	03/09/11
Sample Location:	NBHS	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	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: CITY OF NB
Project Number: 115058
Lab Number: L1103089
Report Date: 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-04	Date Collected:	03/08/11 19:15
Client ID:	MW-27D	Date Received:	03/09/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	03/11/11 15:52		
Analyst:	MM		

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	1.4		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: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID: L1103089-04 Date Collected: 03/08/11 19:15

Client ID: MW-27D Date Received: 03/09/11

Sample Location: NBHS 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	5.0	--	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: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-04	Date Collected:	03/08/11 19:15
Client ID:	MW-27D	Date Received:	03/09/11
Sample Location:	NBHS	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	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: CITY OF NB
Project Number: 115058

Lab Number: L1103089
Report Date: 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-05	Date Collected:	03/08/11 20:25
Client ID:	MW-33	Date Received:	03/09/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	03/11/11 16:24		
Analyst:	MM		

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: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID: L1103089-05 Date Collected: 03/08/11 20:25

Client ID: MW-33 Date Received: 03/09/11

Sample Location: NBHS 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	5.0	--	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: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-05	Date Collected:	03/08/11 20:25
Client ID:	MW-33	Date Received:	03/09/11
Sample Location:	NBHS	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	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: CITY OF NB
Project Number: 115058
Lab Number: L1103089
Report Date: 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-06	D	Date Collected:	03/08/11 21:05
Client ID:	MW-27R		Date Received:	03/09/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	03/11/11 17:58			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	4000	--	2000
1,1-Dichloroethane	ND		ug/l	2000	--	2000
Chloroform	ND		ug/l	2000	--	2000
Carbon tetrachloride	ND		ug/l	2000	--	2000
1,2-Dichloropropane	ND		ug/l	2000	--	2000
Dibromochloromethane	ND		ug/l	2000	--	2000
1,1,2-Trichloroethane	ND		ug/l	2000	--	2000
Tetrachloroethene	ND		ug/l	2000	--	2000
Chlorobenzene	ND		ug/l	2000	--	2000
Trichlorofluoromethane	ND		ug/l	4000	--	2000
1,2-Dichloroethane	ND		ug/l	2000	--	2000
1,1,1-Trichloroethane	ND		ug/l	2000	--	2000
Bromodichloromethane	ND		ug/l	2000	--	2000
trans-1,3-Dichloropropene	ND		ug/l	1000	--	2000
cis-1,3-Dichloropropene	ND		ug/l	1000	--	2000
1,1-Dichloropropene	ND		ug/l	4000	--	2000
Bromoform	ND		ug/l	4000	--	2000
1,1,2,2-Tetrachloroethane	ND		ug/l	2000	--	2000
Benzene	ND		ug/l	2000	--	2000
Toluene	ND		ug/l	2000	--	2000
Ethylbenzene	ND		ug/l	2000	--	2000
Chloromethane	ND		ug/l	4000	--	2000
Bromomethane	ND		ug/l	4000	--	2000
Vinyl chloride	ND		ug/l	2000	--	2000
Chloroethane	ND		ug/l	4000	--	2000
1,1-Dichloroethene	ND		ug/l	2000	--	2000
trans-1,2-Dichloroethene	2500		ug/l	2000	--	2000
Trichloroethene	210000		ug/l	2000	--	2000
1,2-Dichlorobenzene	ND		ug/l	2000	--	2000
1,3-Dichlorobenzene	ND		ug/l	2000	--	2000

Project Name: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID: L1103089-06 D Date Collected: 03/08/11 21:05

Client ID: MW-27R Date Received: 03/09/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2000	--	2000
Methyl tert butyl ether	ND		ug/l	4000	--	2000
p/m-Xylene	ND		ug/l	4000	--	2000
o-Xylene	ND		ug/l	2000	--	2000
cis-1,2-Dichloroethene	11000		ug/l	2000	--	2000
Dibromomethane	ND		ug/l	4000	--	2000
1,2,3-Trichloropropane	ND		ug/l	4000	--	2000
Styrene	ND		ug/l	2000	--	2000
Dichlorodifluoromethane	ND		ug/l	4000	--	2000
Acetone	ND		ug/l	10000	--	2000
Carbon disulfide	ND		ug/l	4000	--	2000
2-Butanone	ND		ug/l	10000	--	2000
4-Methyl-2-pentanone	ND		ug/l	10000	--	2000
2-Hexanone	ND		ug/l	10000	--	2000
Bromochloromethane	ND		ug/l	4000	--	2000
Tetrahydrofuran	ND		ug/l	10000	--	2000
2,2-Dichloropropane	ND		ug/l	4000	--	2000
1,2-Dibromoethane	ND		ug/l	4000	--	2000
1,3-Dichloropropane	ND		ug/l	4000	--	2000
1,1,1,2-Tetrachloroethane	ND		ug/l	2000	--	2000
Bromobenzene	ND		ug/l	4000	--	2000
n-Butylbenzene	ND		ug/l	4000	--	2000
sec-Butylbenzene	ND		ug/l	4000	--	2000
tert-Butylbenzene	ND		ug/l	4000	--	2000
o-Chlorotoluene	ND		ug/l	4000	--	2000
p-Chlorotoluene	ND		ug/l	4000	--	2000
1,2-Dibromo-3-chloropropane	ND		ug/l	4000	--	2000
Hexachlorobutadiene	ND		ug/l	1200	--	2000
Isopropylbenzene	ND		ug/l	4000	--	2000
p-Isopropyltoluene	ND		ug/l	4000	--	2000
Naphthalene	ND		ug/l	4000	--	2000
n-Propylbenzene	ND		ug/l	4000	--	2000
1,2,3-Trichlorobenzene	ND		ug/l	4000	--	2000
1,2,4-Trichlorobenzene	ND		ug/l	4000	--	2000
1,3,5-Trimethylbenzene	ND		ug/l	4000	--	2000
1,2,4-Trimethylbenzene	ND		ug/l	4000	--	2000
Ethyl ether	ND		ug/l	4000	--	2000

Project Name: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-06	D	Date Collected:	03/08/11 21:05
Client ID:	MW-27R		Date Received:	03/09/11
Sample Location:	NBHS		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Isopropyl Ether	ND		ug/l	4000	--	2000
Ethyl-Tert-Butyl-Ether	ND		ug/l	4000	--	2000
Tertiary-Amyl Methyl Ether	ND		ug/l	4000	--	2000
1,4-Dioxane	ND		ug/l	500000	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-07	D	Date Collected:	03/08/11 00:00
Client ID:	DUP-1		Date Received:	03/09/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	03/11/11 18:30			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	4000	--	2000
1,1-Dichloroethane	ND		ug/l	2000	--	2000
Chloroform	ND		ug/l	2000	--	2000
Carbon tetrachloride	ND		ug/l	2000	--	2000
1,2-Dichloropropane	ND		ug/l	2000	--	2000
Dibromochloromethane	ND		ug/l	2000	--	2000
1,1,2-Trichloroethane	ND		ug/l	2000	--	2000
Tetrachloroethene	ND		ug/l	2000	--	2000
Chlorobenzene	ND		ug/l	2000	--	2000
Trichlorofluoromethane	ND		ug/l	4000	--	2000
1,2-Dichloroethane	ND		ug/l	2000	--	2000
1,1,1-Trichloroethane	ND		ug/l	2000	--	2000
Bromodichloromethane	ND		ug/l	2000	--	2000
trans-1,3-Dichloropropene	ND		ug/l	1000	--	2000
cis-1,3-Dichloropropene	ND		ug/l	1000	--	2000
1,1-Dichloropropene	ND		ug/l	4000	--	2000
Bromoform	ND		ug/l	4000	--	2000
1,1,2,2-Tetrachloroethane	ND		ug/l	2000	--	2000
Benzene	ND		ug/l	2000	--	2000
Toluene	ND		ug/l	2000	--	2000
Ethylbenzene	ND		ug/l	2000	--	2000
Chloromethane	ND		ug/l	4000	--	2000
Bromomethane	ND		ug/l	4000	--	2000
Vinyl chloride	ND		ug/l	2000	--	2000
Chloroethane	ND		ug/l	4000	--	2000
1,1-Dichloroethene	ND		ug/l	2000	--	2000
trans-1,2-Dichloroethene	2500		ug/l	2000	--	2000
Trichloroethene	180000		ug/l	2000	--	2000
1,2-Dichlorobenzene	ND		ug/l	2000	--	2000
1,3-Dichlorobenzene	ND		ug/l	2000	--	2000

Project Name: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID: L1103089-07 D Date Collected: 03/08/11 00:00

Client ID: DUP-1 Date Received: 03/09/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/l	2000	--	2000
Methyl tert butyl ether	ND		ug/l	4000	--	2000
p/m-Xylene	ND		ug/l	4000	--	2000
o-Xylene	ND		ug/l	2000	--	2000
cis-1,2-Dichloroethene	12000		ug/l	2000	--	2000
Dibromomethane	ND		ug/l	4000	--	2000
1,2,3-Trichloropropane	ND		ug/l	4000	--	2000
Styrene	ND		ug/l	2000	--	2000
Dichlorodifluoromethane	ND		ug/l	4000	--	2000
Acetone	ND		ug/l	10000	--	2000
Carbon disulfide	ND		ug/l	4000	--	2000
2-Butanone	ND		ug/l	10000	--	2000
4-Methyl-2-pentanone	ND		ug/l	10000	--	2000
2-Hexanone	ND		ug/l	10000	--	2000
Bromochloromethane	ND		ug/l	4000	--	2000
Tetrahydrofuran	ND		ug/l	10000	--	2000
2,2-Dichloropropane	ND		ug/l	4000	--	2000
1,2-Dibromoethane	ND		ug/l	4000	--	2000
1,3-Dichloropropane	ND		ug/l	4000	--	2000
1,1,1,2-Tetrachloroethane	ND		ug/l	2000	--	2000
Bromobenzene	ND		ug/l	4000	--	2000
n-Butylbenzene	ND		ug/l	4000	--	2000
sec-Butylbenzene	ND		ug/l	4000	--	2000
tert-Butylbenzene	ND		ug/l	4000	--	2000
o-Chlorotoluene	ND		ug/l	4000	--	2000
p-Chlorotoluene	ND		ug/l	4000	--	2000
1,2-Dibromo-3-chloropropane	ND		ug/l	4000	--	2000
Hexachlorobutadiene	ND		ug/l	1200	--	2000
Isopropylbenzene	ND		ug/l	4000	--	2000
p-Isopropyltoluene	ND		ug/l	4000	--	2000
Naphthalene	ND		ug/l	4000	--	2000
n-Propylbenzene	ND		ug/l	4000	--	2000
1,2,3-Trichlorobenzene	ND		ug/l	4000	--	2000
1,2,4-Trichlorobenzene	ND		ug/l	4000	--	2000
1,3,5-Trimethylbenzene	ND		ug/l	4000	--	2000
1,2,4-Trimethylbenzene	ND		ug/l	4000	--	2000
Ethyl ether	ND		ug/l	4000	--	2000

Project Name: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-07	D	Date Collected:	03/08/11 00:00
Client ID:	DUP-1		Date Received:	03/09/11
Sample Location:	NBHS		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Isopropyl Ether	ND		ug/l	4000	--	2000
Ethyl-Tert-Butyl-Ether	ND		ug/l	4000	--	2000
Tertiary-Amyl Methyl Ether	ND		ug/l	4000	--	2000
1,4-Dioxane	ND		ug/l	500000	--	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: CITY OF NB
Project Number: 115058

Lab Number: L1103089
Report Date: 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-08	Date Collected:	03/08/11 21:25
Client ID:	MW-5	Date Received:	03/09/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	03/11/11 16:55		
Analyst:	MM		

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	2.8		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: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID: L1103089-08 Date Collected: 03/08/11 21:25

Client ID: MW-5 Date Received: 03/09/11

Sample Location: NBHS 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	3.8		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	5.0	--	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: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-08	Date Collected:	03/08/11 21:25
Client ID:	MW-5	Date Received:	03/09/11
Sample Location:	NBHS	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	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: CITY OF NB
Project Number: 115058

Lab Number: L1103089
Report Date: 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-09	Date Collected:	03/08/11 00:00
Client ID:	TRIP BLANK	Date Received:	03/09/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	03/11/11 13:46		
Analyst:	MM		

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: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID: L1103089-09 Date Collected: 03/08/11 00:00

Client ID: TRIP BLANK Date Received: 03/09/11

Sample Location: NBHS 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	5.0	--	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: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

SAMPLE RESULTS

Lab ID:	L1103089-09	Date Collected:	03/08/11 00:00
Client ID:	TRIP BLANK	Date Received:	03/09/11
Sample Location:	NBHS	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	101		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 03/11/11 10:05
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-09 Batch: WG458482-3					
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: CITY OF NB **Lab Number:** L1103089

Project Number: 115058 **Report Date:** 03/14/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 03/11/11 10:05
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-09 Batch: WG458482-3					
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	5.0	--
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: CITY OF NB
Project Number: 115058

Lab Number: L1103089
Report Date: 03/14/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 03/11/11 10:05
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-09 Batch: WG458482-3					
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	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: CITY OF NB
Project Number: 115058

Lab Number: L1103089
Report Date: 03/14/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-09 Batch: WG458482-1 WG458482-2								
Methylene chloride	105		96		70-130	9		20
1,1-Dichloroethane	106		97		70-130	9		20
Chloroform	105		96		70-130	9		20
Carbon tetrachloride	104		94		70-130	10		20
1,2-Dichloropropane	104		95		70-130	9		20
Dibromochloromethane	98		84		70-130	15		20
1,1,2-Trichloroethane	103		92		70-130	11		20
Tetrachloroethene	104		94		70-130	10		20
Chlorobenzene	95		87		70-130	9		20
Trichlorofluoromethane	110		98		70-130	12		20
1,2-Dichloroethane	109		98		70-130	11		20
1,1,1-Trichloroethane	104		94		70-130	10		20
Bromodichloromethane	102		90		70-130	13		20
trans-1,3-Dichloropropene	96		86		70-130	11		20
cis-1,3-Dichloropropene	95		85		70-130	11		20
1,1-Dichloropropene	104		95		70-130	9		20
Bromoform	89		80		70-130	11		20
1,1,2,2-Tetrachloroethane	101		88		70-130	14		20
Benzene	105		95		70-130	10		20
Toluene	100		92		70-130	8		20
Ethylbenzene	105		95		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CITY OF NB
Project Number: 115058

Lab Number: L1103089
Report Date: 03/14/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-09 Batch: WG458482-1 WG458482-2								
Chloromethane	94		86		70-130	9		20
Bromomethane	96		86		70-130	11		20
Vinyl chloride	96		91		70-130	5		20
Chloroethane	96		87		70-130	10		20
1,1-Dichloroethene	108		99		70-130	9		20
trans-1,2-Dichloroethene	103		96		70-130	7		20
Trichloroethene	104		95		70-130	9		20
1,2-Dichlorobenzene	101		90		70-130	12		20
1,3-Dichlorobenzene	100		90		70-130	11		20
1,4-Dichlorobenzene	100		91		70-130	9		20
Methyl tert butyl ether	103		92		70-130	11		20
p/m-Xylene	106		96		70-130	10		20
o-Xylene	100		91		70-130	9		20
cis-1,2-Dichloroethene	107		98		70-130	9		20
Dibromomethane	108		97		70-130	11		20
1,2,3-Trichloropropane	98		87		70-130	12		20
Styrene	103		93		70-130	10		20
Dichlorodifluoromethane	85		77		70-130	10		20
Acetone	105		95		70-130	10		20
Carbon disulfide	86		79		70-130	8		20
2-Butanone	91		79		70-130	14		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CITY OF NB
Project Number: 115058

Lab Number: L1103089
Report Date: 03/14/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-09 Batch: WG458482-1 WG458482-2								
4-Methyl-2-pentanone	87		75		70-130	15		20
2-Hexanone	86		77		70-130	11		20
Bromochloromethane	109		97		70-130	12		20
Tetrahydrofuran	100		88		70-130	13		20
2,2-Dichloropropane	102		93		70-130	9		20
1,2-Dibromoethane	104		93		70-130	11		20
1,3-Dichloropropane	107		95		70-130	12		20
1,1,1,2-Tetrachloroethane	98		88		70-130	11		20
Bromobenzene	102		91		70-130	11		20
n-Butylbenzene	102		92		70-130	10		20
sec-Butylbenzene	101		91		70-130	10		20
tert-Butylbenzene	98		88		70-130	11		20
o-Chlorotoluene	102		92		70-130	10		20
p-Chlorotoluene	102		92		70-130	10		20
1,2-Dibromo-3-chloropropane	102		84		70-130	19		20
Hexachlorobutadiene	99		87		70-130	13		20
Isopropylbenzene	103		93		70-130	10		20
p-Isopropyltoluene	105		94		70-130	11		20
Naphthalene	97		84		70-130	14		20
n-Propylbenzene	100		90		70-130	11		20
1,2,3-Trichlorobenzene	101		87		70-130	15		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: CITY OF NB
Project Number: 115058

Lab Number: L1103089
Report Date: 03/14/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-09 Batch: WG458482-1 WG458482-2								
1,2,4-Trichlorobenzene	99		87		70-130	13		20
1,3,5-Trimethylbenzene	98		88		70-130	11		20
1,2,4-Trimethylbenzene	101		92		70-130	9		20
Ethyl ether	110		99		70-130	11		20
Isopropyl Ether	103		92		70-130	11		20
Ethyl-Tert-Butyl-Ether	100		89		70-130	12		20
Tertiary-Amyl Methyl Ether	103		90		70-130	13		20
1,4-Dioxane	82		77		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	99		99		70-130

Project Name: CITY OF NB
Project Number: 115058

Lab Number: L1103089
Report Date: 03/14/11

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(*)
L1103089-01A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-01B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-02A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-02B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-03A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-03B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-04A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-04B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-05A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-05B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-06A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-06B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-07A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-07B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-08A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-08B	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)
L1103089-09A	Vial HCl preserved	A	N/A	2	Y	Absent	MCP-8260-10(14)

*Values in parentheses indicate holding time in days

Project Name:	CITY OF NB	**Lab Number:**	L1103089
Project Number:	115058	**Report Date:**	03/14/11

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.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
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

Project Name:	CITY OF NB	**Lab Number:**	L1103089
Project Number:	115058	**Report Date:**	03/14/11

Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

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

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

Report Format: Data Usability Report

Project Name: CITY OF NB **Lab Number:** L1103089
Project Number: 115058 **Report Date:** 03/14/11

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 February 23, 2011 - Westboro Facility

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

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

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

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

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 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); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, 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. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

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

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 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 NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 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, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/9/11

ALPHA Job #: L1103089

Client Information

Client: TRC
Address: 450 Suffolk St
Lowell MA 01854
Phone: 978-970-5600
Fax: 978-453-1995
Email: dsullivan@trcsolutions.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: City of NB
Project Location: NBHS
Project #: 115058
Project Manager: David Sullivan
ALPHA Quote #:

Turn-Around Time

☒ Standard 5 DAY ☐ RUSH (only confirmed if pre-approved!)
Date Due: 3/16/11 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MCP-GW 1,2,3 Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☒ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration
☐ Done
☒ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOCs 8260+TO15	Sample Specific Comments	TOTAL # BOTTLES
03089 1	MW-32	3/8/11	1655	GW	ASD	X		2
2	MW-28		1700					2
3	MW-31		18:30					2
4	MW-27D		19:15					2
5	MW-33		20:25		ASD			2
6	MW-27R		21:05					2
7	DUP-1		—					2
8	MW-5		2125		ASD			2
9	Trip blank							

Container Type	V
Preservative	B

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Jason Fiers	3/9	P. Gillett	3/9/11 1000
P. Gillett	3/9/11 1730		3/9/11 1730

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

Serial_No:03141120:12

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1103089

Instrument ID: Quimby.i Calibration Date: 11-MAR-2011 Time: 08:31

Lab File ID: 0311A03 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.34924	.2981	.1	15	20	
chloromethane	.35628	.33382	.1	6	20	
vinyl chloride	.30181	.28985	.1	4	20	
bromomethane	.22898	.21861	.1	5	20	
chloroethane	.20794	.19908	.1	4	20	
trichlorofluoromethane	.42568	.46748	.1	-10	20	
ethyl ether	.12007	.13245	.05	-10	20	
acrolien	.02445	.02428	.05	1	20	F
freon-113	.29194	.32965	.1	-13	20	
acetone	100	105	.1	-5	20	
1,1,-dichloroethene	.30271	.32568	.1	-8	20	
tert-butyl alcohol	.00951	.00888	.05	7	20	F
iodomethane	.50617	.40395	.05	20	20	F
methylene chloride	.30372	.31857	.1	-5	20	
carbon disulfide	.91586	.78375	.1	14	20	
acrylonitrile	.0487	.04927	.05	-1	20	F
methyl tert butyl ether	.51963	.53648	.1	-3	20	
Halothane	.25477	.2414	.05	5	20	
trans-1,2-dichloroethene	.34461	.35531	.1	-3	20	
Diisopropyl Ether	.81846	.84708	.05	-3	20	
vinyl acetate	.38582	.38654	.05	0	20	
1,1-dichloroethane	.58497	.62055	.2	-6	20	
Ethyl-Tert-Butyl-Ether	.7021	.69999	.05	0	20	
2-butanone	.05505	.04994	.1	9	20	F
2,2-dichloropropane	.38987	.39775	.05	-2	20	
ethyl acetate	.11173	.11187	.05	0	20	
cis-1,2-dichloroethene	.36598	.39291	.1	-7	20	
chloroform	.55517	.58462	.2	-5	20	
bromochloromethane	.13826	.15055	.05	-9	20	
tetrahydrofuran	100	100	.05	0	20	
1,1,1-trichloroethane	.50175	.52188	.1	-4	20	
1,1-dichloropropene	.47777	.49923	.05	-4	20	
carbontetrachloride	.40299	.41839	.1	-4	20	
Tertiary-Amyl Methyl Ether	.59124	.61022	.05	-3	20	
1,2-dichloroethane	.29658	.3243	.1	-9	20	
benzene	1.4222	1.4928	.5	-5	20	
trichloroethene	.35492	.37	.2	-4	20	
1,2-dichloropropane	.31236	.32603	.1	-4	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1103089

Instrument ID: Quimby.i Calibration Date: 11-MAR-2011 Time: 08:31

Lab File ID: 0311A03 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
bromodichloromethane	.34843	.35488	.2	-2	20	
1,4-dioxane	.00121	.00099	.05	18	20	F
dibromomethane	.12614	.13611	.05	-8	20	
2-chloroethylvinyl ether	.10568	.0902	.05	15	20	
4-methyl-2-pentanone	.05144	.04487	.1	13	20	F
cis-1,3-dichloropropene	.449	.42519	.2	5	20	
toluene	1.1887	1.1911	.4	0	20	
trans-1,3-dichloropropene	.40626	.39129	.1	4	20	
1,1,2-trichloroethane	.18806	.19356	.1	-3	20	
2-hexanone	.10447	.0901	.1	14	20	
1,3-dichloropropane	.41055	.43771	.05	-7	20	
tetrachloroethene	.54918	.57335	.2	-4	20	
chlorodibromomethane	.26275	.25702	.1	2	20	
1,2-dibromoethane	.21528	.22381	.1	-4	20	
chlorobenzene	1.3469	1.2844	.5	5	20	
1,1,1,2-tetrachloroethane	.39146	.38314	.05	2	20	
ethyl benzene	2.4104	2.5230	.1	-5	20	
p/m xylene	.97612	1.0299	.1	-6	20	
o xylene	.96041	.96398	.3	0	20	
styrene	1.5385	1.5831	.31	-3	20	
isopropylbenzene	2.4862	2.5727	.1	-3	20	
trans-1,4-dichloro-2-butene	.03888	.03879	.05	0	20	F
bromoform	.23103	.20598	.1	11	20	
1,1,2,2,-tetrachloroethane	.38882	.39141	.3	-1	20	
1,2,3-trichloropropane	.302	.29581	.05	2	20	
n-propylbenzene	4.2789	4.2947	.05	0	20	
bromobenzene	.85391	.87039	.05	-2	20	
4-ethyltoluene	2.1733	1.9595	.05	10	20	
1,3,5-trimethybenzene	3.1161	3.0443	.05	2	20	
2-chlorotoluene	2.8216	2.8775	.05	-2	20	
4-chorotoluene	2.6385	2.7042	.05	-2	20	
tert-butylbenzene	2.7401	2.6706	.05	3	20	
1,2,4-trimethylbenzene	3.1459	3.1931	.05	-1	20	
sec-butylbenzene	3.7202	3.7670	.05	-1	20	
p-isopropyltoluene	3.1690	3.3172	.05	-5	20	
1,3-dichlorobenzene	1.7564	1.7546	.6	0	20	
1,4-dichlorobenzene	1.7757	1.7704	.5	0	20	
n-butylbenzene	3.0962	3.1493	.05	-2	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1103089

Instrument ID: Quimby.i Calibration Date: 11-MAR-2011 Time: 08:31

Lab File ID: 0311A03 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D
1,2,4,5-tetramathylbenezene	1.0900	1.0369	.05	5	20
1,2-dichlorobenzene	1.4995	1.5167	.4	-1	20
p-diethylbenzene	1.5484	1.3847	.05	11	20
1,2-dibromo-3-chloropropane	.05659	.0576	.05	-2	20
1,3,5-trichlorobenzene	1.0666	.95737	.01	10	30
1,2,4-trichlorobenzene	.83258	.82447	.2	1	20
hexachlorobutadiene	.4051	.39933	.05	1	20
naphthalene	1.3212	1.2762	.05	3	20
1,2,3-trichlorobenzene	.61394	.62184	.05	-1	20
dibromofluoromethane	.23183	.2295	.05	1	20
1,2-dichloroethane-d4	.19112	.19336	.05	-1	20
toluene-d8	1.2966	1.2888	.05	1	20
4-bromofluorobenzene	.84277	.8085	.05	4	20

FORM VII MCP-8260-10

ANALYTICAL REPORT

Lab Number:	L1104005
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	David Sullivan
Phone:	(978) 656-3565
Project Name:	NEW BEDFORD
Project Number:	115058
Report Date:	04/08/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY 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: NEW BEDFORD
Project Number: 115058

Lab Number: L1104005
Report Date: 04/08/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1104005-01	MW- 27D	NBHS	03/25/11 18:00
L1104005-02	MW-28	NBHS	03/25/11 18:15
L1104005-03	MW-27R	NBHS	03/25/11 18:40
L1104005-04	MW-32	NBHS	03/25/11 19:05
L1104005-05	DUP-1	NBHS	03/25/11 20:05
L1104005-06	TRIP BLANK	NBHS	03/25/11 00:00

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

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: NEW BEDFORD **Lab Number:** L1104005
Project Number: 115058 **Report Date:** 04/08/11

Case Narrative

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

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

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

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

Report Submission

This report replaces the report issued on March 31, 2011. At the client's request all non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

MCP Related Narratives

Volatile Organics

L1104005-02 through -05 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1104005-03 through -05 were re-analyzed on dilutions in order to quantitate the samples within the calibration range. The results should be considered estimated, and are qualified with E flags, for the compounds that exceeded the calibration on the initial analysis. The re-analyses were performed only for the compounds that exceeded the calibration range.

Project Name: NEW BEDFORD **Lab Number:** L1104005
Project Number: 115058 **Report Date:** 04/08/11

Case Narrative (continued)

In reference to question G:
L1104005-01 and -06: Tetrahydrofuran did not achieve the requested CAM reporting limits.
L1104005-02: Methylene chloride, 1,1-Dichloroethane, Chloroform, Carbon tetrachloride, 1,2-Dichloropropane, Dibromochloromethane, 1,1,2-Trichloroethane, Tetrachloroethene, Chlorobenzene, Trichlorofluoromethane, 1,2-Dichloroethane, 1,1,1-Trichloroethane, Bromodichloromethane, 1,1-Dichloropropene, Bromoform, 1,1,2,2-Tetrachloroethane,
Benzene, Toluene, Ethylbenzene, Chloromethane, Bromomethane, Chloroethane, 1,1-Dichloroethene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, Methyl tert butyl ether, p/m-Xylene, o-Xylene, Dibromomethane, 1,2,3-Trichloropropane, Styrene, Dichlorodifluoromethane, Carbon disulfide, Bromochloromethane, Tetrahydrofuran, 2,2-Dichloropropane, 1,2-Dibromoethane, 1,3-Dichloropropane, 1,1,1,2-Tetrachloroethane, Bromobenzene, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, o-Chlorotoluene, p-Chlorotoluene, 1,2-Dibromo-3-chloropropane, Isopropylbenzene, p-Isopropyltoluene, Naphthalene, n-Propylbenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, Ethyl ether, Isopropyl Ether, Ethyl-Tert-Butyl-Ether and Tertiary-Amyl Methyl Ether did not achieve the requested CAM reporting limits.
L1104005-03: Methylene chloride, 1,1-Dichloroethane, Chloroform, Carbon tetrachloride, 1,2-Dichloropropane, Dibromochloromethane, 1,1,2-Trichloroethane, Tetrachloroethene, Chlorobenzene, Trichlorofluoromethane, 1,2-Dichloroethane, 1,1,1-Trichloroethane, Bromodichloromethane, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1-Dichloropropene, Bromoform, 1,1,2,2-Tetrachloroethane, Benzene, Toluene, Ethylbenzene, Chloromethane, Bromomethane, Vinyl chloride, Chloroethane, 1,1-Dichloroethene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Methyl tert butyl ether, p/m-Xylene, o-Xylene, Dibromomethane, 1,2,3-Trichloropropane, Styrene, Dichlorodifluoromethane, Acetone, Carbon disulfide, 2-Butanone, 4-Methyl-2-pentanone, 2-Hexanone, Bromochloromethane, Tetrahydrofuran, 2,2-Dichloropropane, 1,2-Dibromoethane, 1,3-Dichloropropane, 1,1,1,2-Tetrachloroethane, Bromobenzene, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, o-Chlorotoluene, p-Chlorotoluene, 1,2-Dibromo-3-chloropropane, Hexachlorobutadiene, Isopropylbenzene, p-Isopropyltoluene, Naphthalene, n-Propylbenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, Ethyl ether, Isopropyl Ether, Ethyl-Tert-

Project Name: NEW BEDFORD **Lab Number:** L1104005
Project Number: 115058 **Report Date:** 04/08/11

Case Narrative (continued)

Butyl-Ether and Tertiary-Amyl Methyl Ether did not achieve the requested CAM reporting limits.
L1104005-04 and -05: Methylene chloride, 1,1-Dichloroethane, Chloroform, Carbon tetrachloride, 1,2-Dichloropropane, Dibromochloromethane, 1,1,2-Trichloroethane, Tetrachloroethene, Chlorobenzene, Trichlorofluoromethane, 1,2-Dichloroethane, 1,1,1-Trichloroethane, Bromodichloromethane, trans-1,3-Dichloropropene, cis-1,3-Dichloropropene, 1,1-Dichloropropene, Bromoform, 1,1,2,2-Tetrachloroethane, Benzene, Toluene, Ethylbenzene, Chloromethane, Bromomethane, Vinyl chloride, Chloroethane, 1,1-Dichloroethene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Methyl tert butyl ether, p/m-Xylene, o-Xylene, Dibromomethane, 1,2,3-Trichloropropane,
Styrene, Dichlorodifluoromethane, Acetone, Carbon disulfide, 2-Butanone, 4-Methyl-2-pentanone, 2-Hexanone, Bromochloromethane, Tetrahydrofuran, 2,2-Dichloropropane, 1,2-Dibromoethane, 1,3-Dichloropropane, 1,1,1,2-Tetrachloroethane, Bromobenzene, n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, o-Chlorotoluene, p-Chlorotoluene, 1,2-Dibromo-3-chloropropane, Hexachlorobutadiene, Isopropylbenzene, p-Isopropyltoluene, Naphthalene, n-Propylbenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, Ethyl ether, Isopropyl Ether, Ethyl-Tert-Butyl-Ether and Tertiary-Amyl Methyl Ether did not achieve the requested CAM reporting limits.
In reference to question H:
The WG460627-4 LCS recovery, associated with L1104005-04 and -05, is below the individual acceptance criteria of 70-130% for o-Chlorotoluene (68%), but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.
The initial calibration, associated with L1104005-01 through -06, did not meet the method required minimum response factors on the lowest calibration standards for 2-Butanone (0.06976), 4-Methyl-2-pentanone (0.05668) and 1,4-Dioxane (0.00134), as well as the average response factor for 2-Butanone, 4-Methyl-2-pentanone and 1,4-Dioxane. In addition, a quadratic fit was utilized for Acetone and Tetrahydrofuran.
The continuing calibration standards, associated with L1104005-01 through -06, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as an addendum to this report.

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 H. Simmons Elizabeth Simmons

Title: Technical Director/Representative Date: 04/08/11

ORGANICS

VOLATILES

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-01	Date Collected:	03/25/11 18:00
Client ID:	MW- 27D	Date Received:	03/28/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	03/30/11 11:59		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	0.54	1
1,1-Dichloroethane	ND		ug/l	1.0	0.22	1
Chloroform	ND		ug/l	1.0	0.20	1
Carbon tetrachloride	ND		ug/l	1.0	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	1.0	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.0	0.26	1
Tetrachloroethene	ND		ug/l	1.0	0.18	1
Chlorobenzene	ND		ug/l	1.0	0.19	1
Trichlorofluoromethane	ND		ug/l	2.0	0.27	1
1,2-Dichloroethane	ND		ug/l	1.0	0.16	1
1,1,1-Trichloroethane	ND		ug/l	1.0	0.16	1
Bromodichloromethane	ND		ug/l	1.0	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.0	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.19	1
Benzene	ND		ug/l	1.0	0.19	1
Toluene	ND		ug/l	1.0	0.23	1
Ethylbenzene	ND		ug/l	1.0	0.26	1
Chloromethane	ND		ug/l	2.0	0.28	1
Bromomethane	ND		ug/l	2.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	2.0	0.23	1
1,1-Dichloroethene	ND		ug/l	1.0	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	0.21	1
Trichloroethene	0.71	J	ug/l	1.0	0.17	1
1,2-Dichlorobenzene	ND		ug/l	1.0	0.18	1
1,3-Dichlorobenzene	ND		ug/l	1.0	0.19	1
1,4-Dichlorobenzene	ND		ug/l	1.0	0.22	1

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID: L1104005-01 Date Collected: 03/25/11 18:00

Client ID: MW- 27D Date Received: 03/28/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.0	0.16	1
p/m-Xylene	ND		ug/l	2.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.19	1
Dibromomethane	ND		ug/l	2.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	2.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	2.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	2.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.0	0.33	1
Tetrahydrofuran	ND		ug/l	5.0	1.3	1
2,2-Dichloropropane	ND		ug/l	2.0	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.32	1
1,3-Dichloropropane	ND		ug/l	2.0	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	0.16	1
Bromobenzene	ND		ug/l	2.0	0.18	1
n-Butylbenzene	ND		ug/l	2.0	0.20	1
sec-Butylbenzene	ND		ug/l	2.0	0.18	1
tert-Butylbenzene	ND		ug/l	2.0	0.30	1
o-Chlorotoluene	ND		ug/l	2.0	0.18	1
p-Chlorotoluene	ND		ug/l	2.0	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	2.0	0.19	1
p-Isopropyltoluene	ND		ug/l	2.0	0.19	1
Naphthalene	ND		ug/l	2.0	0.22	1
n-Propylbenzene	ND		ug/l	2.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.0	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	0.27	1
Ethyl ether	ND		ug/l	2.0	0.20	1
Isopropyl Ether	ND		ug/l	2.0	0.16	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	0.46	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.38	1

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-01	Date Collected:	03/25/11 18:00
Client ID:	MW- 27D	Date Received:	03/28/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	76.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	110		70-130

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-02	D	Date Collected:	03/25/11 18:15
Client ID:	MW-28		Date Received:	03/28/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	03/29/11 11:19			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	5.0	1.3	2.5
1,1-Dichloroethane	ND		ug/l	2.5	0.54	2.5
Chloroform	ND		ug/l	2.5	0.49	2.5
Carbon tetrachloride	ND		ug/l	2.5	0.41	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.74	2.5
Dibromochloromethane	ND		ug/l	2.5	0.47	2.5
1,1,2-Trichloroethane	ND		ug/l	2.5	0.65	2.5
Tetrachloroethene	ND		ug/l	2.5	0.45	2.5
Chlorobenzene	ND		ug/l	2.5	0.48	2.5
Trichlorofluoromethane	ND		ug/l	5.0	0.67	2.5
1,2-Dichloroethane	ND		ug/l	2.5	0.40	2.5
1,1,1-Trichloroethane	ND		ug/l	2.5	0.40	2.5
Bromodichloromethane	ND		ug/l	2.5	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
1,1-Dichloropropene	ND		ug/l	5.0	0.64	2.5
Bromoform	ND		ug/l	5.0	0.62	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	2.5	0.48	2.5
Benzene	ND		ug/l	2.5	0.48	2.5
Toluene	ND		ug/l	2.5	0.57	2.5
Ethylbenzene	ND		ug/l	2.5	0.66	2.5
Chloromethane	ND		ug/l	5.0	0.70	2.5
Bromomethane	ND		ug/l	5.0	0.64	2.5
Vinyl chloride	22		ug/l	2.5	0.56	2.5
Chloroethane	ND		ug/l	5.0	0.58	2.5
1,1-Dichloroethene	ND		ug/l	2.5	0.45	2.5
trans-1,2-Dichloroethene	40		ug/l	2.5	0.53	2.5
Trichloroethene	220		ug/l	2.5	0.44	2.5
1,2-Dichlorobenzene	ND		ug/l	2.5	0.46	2.5
1,3-Dichlorobenzene	0.84	J	ug/l	2.5	0.46	2.5
1,4-Dichlorobenzene	3.4		ug/l	2.5	0.54	2.5

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID: L1104005-02 D Date Collected: 03/25/11 18:15

Client ID: MW-28 Date Received: 03/28/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	5.0	0.40	2.5
p/m-Xylene	ND		ug/l	5.0	0.87	2.5
o-Xylene	ND		ug/l	2.5	0.82	2.5
cis-1,2-Dichloroethene	180		ug/l	2.5	0.47	2.5
Dibromomethane	ND		ug/l	5.0	0.91	2.5
1,2,3-Trichloropropane	ND		ug/l	5.0	1.1	2.5
Styrene	ND		ug/l	2.5	0.90	2.5
Dichlorodifluoromethane	ND		ug/l	5.0	0.75	2.5
Acetone	ND		ug/l	12	3.9	2.5
Carbon disulfide	ND		ug/l	5.0	0.75	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	1.0	2.5
2-Hexanone	ND		ug/l	12	1.4	2.5
Bromochloromethane	ND		ug/l	5.0	0.82	2.5
Tetrahydrofuran	ND		ug/l	12	3.2	2.5
2,2-Dichloropropane	ND		ug/l	5.0	0.99	2.5
1,2-Dibromoethane	ND		ug/l	5.0	0.81	2.5
1,3-Dichloropropane	ND		ug/l	5.0	0.53	2.5
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.41	2.5
Bromobenzene	ND		ug/l	5.0	0.46	2.5
n-Butylbenzene	ND		ug/l	5.0	0.49	2.5
sec-Butylbenzene	ND		ug/l	5.0	0.45	2.5
tert-Butylbenzene	ND		ug/l	5.0	0.75	2.5
o-Chlorotoluene	ND		ug/l	5.0	0.46	2.5
p-Chlorotoluene	ND		ug/l	5.0	0.46	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	5.0	0.82	2.5
Hexachlorobutadiene	ND		ug/l	1.5	0.58	2.5
Isopropylbenzene	ND		ug/l	5.0	0.47	2.5
p-Isopropyltoluene	ND		ug/l	5.0	0.47	2.5
Naphthalene	ND		ug/l	5.0	0.54	2.5
n-Propylbenzene	ND		ug/l	5.0	0.43	2.5
1,2,3-Trichlorobenzene	ND		ug/l	5.0	0.58	2.5
1,2,4-Trichlorobenzene	1.3	J	ug/l	5.0	0.55	2.5
1,3,5-Trimethylbenzene	ND		ug/l	5.0	0.53	2.5
1,2,4-Trimethylbenzene	ND		ug/l	5.0	0.67	2.5
Ethyl ether	ND		ug/l	5.0	0.51	2.5
Isopropyl Ether	ND		ug/l	5.0	0.41	2.5
Ethyl-Tert-Butyl-Ether	ND		ug/l	5.0	1.1	2.5
Tertiary-Amyl Methyl Ether	ND		ug/l	5.0	0.96	2.5

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-02	D	Date Collected:	03/25/11 18:15
Client ID:	MW-28		Date Received:	03/28/11
Sample Location:	NBHS		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	620	190	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	107		70-130

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-03	D2	Date Collected:	03/25/11 18:40
Client ID:	MW-27R		Date Received:	03/28/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	03/29/11 12:22			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	410000		ug/l	10000	1700	10000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	108		70-130

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-03	D	Date Collected:	03/25/11 18:40
Client ID:	MW-27R		Date Received:	03/28/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	03/29/11 09:44			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	4000	1100	2000
1,1-Dichloroethane	ND		ug/l	2000	430	2000
Chloroform	ND		ug/l	2000	400	2000
Carbon tetrachloride	ND		ug/l	2000	330	2000
1,2-Dichloropropane	ND		ug/l	2000	590	2000
Dibromochloromethane	ND		ug/l	2000	380	2000
1,1,2-Trichloroethane	ND		ug/l	2000	520	2000
Tetrachloroethene	ND		ug/l	2000	360	2000
Chlorobenzene	ND		ug/l	2000	380	2000
Trichlorofluoromethane	ND		ug/l	4000	530	2000
1,2-Dichloroethane	ND		ug/l	2000	320	2000
1,1,1-Trichloroethane	ND		ug/l	2000	320	2000
Bromodichloromethane	ND		ug/l	2000	380	2000
trans-1,3-Dichloropropene	ND		ug/l	1000	330	2000
cis-1,3-Dichloropropene	ND		ug/l	1000	290	2000
1,1-Dichloropropene	ND		ug/l	4000	510	2000
Bromoform	ND		ug/l	4000	500	2000
1,1,2,2-Tetrachloroethane	ND		ug/l	2000	380	2000
Benzene	ND		ug/l	2000	390	2000
Toluene	ND		ug/l	2000	450	2000
Ethylbenzene	ND		ug/l	2000	530	2000
Chloromethane	ND		ug/l	4000	560	2000
Bromomethane	ND		ug/l	4000	510	2000
Vinyl chloride	ND		ug/l	2000	450	2000
Chloroethane	ND		ug/l	4000	470	2000
1,1-Dichloroethene	ND		ug/l	2000	360	2000
trans-1,2-Dichloroethene	2600		ug/l	2000	420	2000
Trichloroethene	440000	E	ug/l	2000	350	2000
1,2-Dichlorobenzene	ND		ug/l	2000	370	2000
1,3-Dichlorobenzene	ND		ug/l	2000	370	2000
1,4-Dichlorobenzene	ND		ug/l	2000	430	2000

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID: L1104005-03 D Date Collected: 03/25/11 18:40

Client ID: MW-27R Date Received: 03/28/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	4000	320	2000
p/m-Xylene	ND		ug/l	4000	700	2000
o-Xylene	ND		ug/l	2000	660	2000
cis-1,2-Dichloroethene	9500		ug/l	2000	370	2000
Dibromomethane	ND		ug/l	4000	730	2000
1,2,3-Trichloropropane	ND		ug/l	4000	860	2000
Styrene	ND		ug/l	2000	720	2000
Dichlorodifluoromethane	ND		ug/l	4000	600	2000
Acetone	ND		ug/l	10000	3100	2000
Carbon disulfide	ND		ug/l	4000	600	2000
2-Butanone	ND		ug/l	10000	3900	2000
4-Methyl-2-pentanone	ND		ug/l	10000	830	2000
2-Hexanone	ND		ug/l	10000	1200	2000
Bromochloromethane	ND		ug/l	4000	660	2000
Tetrahydrofuran	ND		ug/l	10000	2600	2000
2,2-Dichloropropane	ND		ug/l	4000	790	2000
1,2-Dibromoethane	ND		ug/l	4000	650	2000
1,3-Dichloropropane	ND		ug/l	4000	420	2000
1,1,1,2-Tetrachloroethane	ND		ug/l	2000	330	2000
Bromobenzene	ND		ug/l	4000	370	2000
n-Butylbenzene	ND		ug/l	4000	390	2000
sec-Butylbenzene	ND		ug/l	4000	360	2000
tert-Butylbenzene	ND		ug/l	4000	600	2000
o-Chlorotoluene	ND		ug/l	4000	360	2000
p-Chlorotoluene	ND		ug/l	4000	370	2000
1,2-Dibromo-3-chloropropane	ND		ug/l	4000	650	2000
Hexachlorobutadiene	ND		ug/l	1200	460	2000
Isopropylbenzene	ND		ug/l	4000	370	2000
p-Isopropyltoluene	ND		ug/l	4000	380	2000
Naphthalene	ND		ug/l	4000	430	2000
n-Propylbenzene	ND		ug/l	4000	350	2000
1,2,3-Trichlorobenzene	ND		ug/l	4000	470	2000
1,2,4-Trichlorobenzene	ND		ug/l	4000	440	2000
1,3,5-Trimethylbenzene	ND		ug/l	4000	420	2000
1,2,4-Trimethylbenzene	ND		ug/l	4000	540	2000
Ethyl ether	ND		ug/l	4000	410	2000
Isopropyl Ether	ND		ug/l	4000	330	2000
Ethyl-Tert-Butyl-Ether	ND		ug/l	4000	920	2000
Tertiary-Amyl Methyl Ether	ND		ug/l	4000	760	2000

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-03	D	Date Collected:	03/25/11 18:40
Client ID:	MW-27R		Date Received:	03/28/11
Sample Location:	NBHS		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	500000	150000	2000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-04	D	Date Collected:	03/25/11 19:05
Client ID:	MW-32		Date Received:	03/28/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	03/29/11 10:16			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	200	54.	100
1,1-Dichloroethane	ND		ug/l	100	22.	100
Chloroform	ND		ug/l	100	20.	100
Carbon tetrachloride	ND		ug/l	100	16.	100
1,2-Dichloropropane	ND		ug/l	100	30.	100
Dibromochloromethane	ND		ug/l	100	19.	100
1,1,2-Trichloroethane	ND		ug/l	100	26.	100
Tetrachloroethene	ND		ug/l	100	18.	100
Chlorobenzene	ND		ug/l	100	19.	100
Trichlorofluoromethane	ND		ug/l	200	27.	100
1,2-Dichloroethane	ND		ug/l	100	16.	100
1,1,1-Trichloroethane	ND		ug/l	100	16.	100
Bromodichloromethane	ND		ug/l	100	19.	100
trans-1,3-Dichloropropene	ND		ug/l	50	16.	100
cis-1,3-Dichloropropene	ND		ug/l	50	14.	100
1,1-Dichloropropene	ND		ug/l	200	26.	100
Bromoform	ND		ug/l	200	25.	100
1,1,2,2-Tetrachloroethane	ND		ug/l	100	19.	100
Benzene	ND		ug/l	100	19.	100
Toluene	ND		ug/l	100	23.	100
Ethylbenzene	ND		ug/l	100	26.	100
Chloromethane	ND		ug/l	200	28.	100
Bromomethane	ND		ug/l	200	26.	100
Vinyl chloride	ND		ug/l	100	22.	100
Chloroethane	ND		ug/l	200	23.	100
1,1-Dichloroethene	ND		ug/l	100	18.	100
trans-1,2-Dichloroethene	230		ug/l	100	21.	100
Trichloroethene	30000	E	ug/l	100	17.	100
1,2-Dichlorobenzene	ND		ug/l	100	18.	100
1,3-Dichlorobenzene	ND		ug/l	100	19.	100
1,4-Dichlorobenzene	ND		ug/l	100	22.	100

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID: L1104005-04 D Date Collected: 03/25/11 19:05

Client ID: MW-32 Date Received: 03/28/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	200	16.	100
p/m-Xylene	ND		ug/l	200	35.	100
o-Xylene	ND		ug/l	100	33.	100
cis-1,2-Dichloroethene	980		ug/l	100	19.	100
Dibromomethane	ND		ug/l	200	36.	100
1,2,3-Trichloropropane	ND		ug/l	200	43.	100
Styrene	ND		ug/l	100	36.	100
Dichlorodifluoromethane	ND		ug/l	200	30.	100
Acetone	ND		ug/l	500	160	100
Carbon disulfide	ND		ug/l	200	30.	100
2-Butanone	ND		ug/l	500	190	100
4-Methyl-2-pentanone	ND		ug/l	500	42.	100
2-Hexanone	ND		ug/l	500	58.	100
Bromochloromethane	ND		ug/l	200	33.	100
Tetrahydrofuran	ND		ug/l	500	130	100
2,2-Dichloropropane	ND		ug/l	200	40.	100
1,2-Dibromoethane	ND		ug/l	200	32.	100
1,3-Dichloropropane	ND		ug/l	200	21.	100
1,1,1,2-Tetrachloroethane	ND		ug/l	100	16.	100
Bromobenzene	ND		ug/l	200	18.	100
n-Butylbenzene	ND		ug/l	200	20.	100
sec-Butylbenzene	ND		ug/l	200	18.	100
tert-Butylbenzene	ND		ug/l	200	30.	100
o-Chlorotoluene	ND		ug/l	200	18.	100
p-Chlorotoluene	ND		ug/l	200	18.	100
1,2-Dibromo-3-chloropropane	ND		ug/l	200	33.	100
Hexachlorobutadiene	ND		ug/l	60	23.	100
Isopropylbenzene	ND		ug/l	200	19.	100
p-Isopropyltoluene	ND		ug/l	200	19.	100
Naphthalene	ND		ug/l	200	22.	100
n-Propylbenzene	ND		ug/l	200	17.	100
1,2,3-Trichlorobenzene	ND		ug/l	200	23.	100
1,2,4-Trichlorobenzene	ND		ug/l	200	22.	100
1,3,5-Trimethylbenzene	ND		ug/l	200	21.	100
1,2,4-Trimethylbenzene	ND		ug/l	200	27.	100
Ethyl ether	ND		ug/l	200	20.	100
Isopropyl Ether	ND		ug/l	200	16.	100
Ethyl-Tert-Butyl-Ether	ND		ug/l	200	46.	100
Tertiary-Amyl Methyl Ether	ND		ug/l	200	38.	100

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-04	D	Date Collected:	03/25/11 19:05
Client ID:	MW-32		Date Received:	03/28/11
Sample Location:	NBHS		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	25000	7600	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	105		70-130

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-04	D	Date Collected:	03/25/11 19:05
Client ID:	MW-32		Date Received:	03/28/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	03/30/11 15:25			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	26000		ug/l	500	87.	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	118		70-130

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-05	D	Date Collected:	03/25/11 20:05
Client ID:	DUP-1		Date Received:	03/28/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	03/29/11 10:47			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	200	54.	100
1,1-Dichloroethane	ND		ug/l	100	22.	100
Chloroform	ND		ug/l	100	20.	100
Carbon tetrachloride	ND		ug/l	100	16.	100
1,2-Dichloropropane	ND		ug/l	100	30.	100
Dibromochloromethane	ND		ug/l	100	19.	100
1,1,2-Trichloroethane	ND		ug/l	100	26.	100
Tetrachloroethene	ND		ug/l	100	18.	100
Chlorobenzene	ND		ug/l	100	19.	100
Trichlorofluoromethane	ND		ug/l	200	27.	100
1,2-Dichloroethane	ND		ug/l	100	16.	100
1,1,1-Trichloroethane	ND		ug/l	100	16.	100
Bromodichloromethane	ND		ug/l	100	19.	100
trans-1,3-Dichloropropene	ND		ug/l	50	16.	100
cis-1,3-Dichloropropene	ND		ug/l	50	14.	100
1,1-Dichloropropene	ND		ug/l	200	26.	100
Bromoform	ND		ug/l	200	25.	100
1,1,2,2-Tetrachloroethane	ND		ug/l	100	19.	100
Benzene	ND		ug/l	100	19.	100
Toluene	ND		ug/l	100	23.	100
Ethylbenzene	ND		ug/l	100	26.	100
Chloromethane	ND		ug/l	200	28.	100
Bromomethane	ND		ug/l	200	26.	100
Vinyl chloride	ND		ug/l	100	22.	100
Chloroethane	ND		ug/l	200	23.	100
1,1-Dichloroethene	ND		ug/l	100	18.	100
trans-1,2-Dichloroethene	220		ug/l	100	21.	100
Trichloroethene	31000	E	ug/l	100	17.	100
1,2-Dichlorobenzene	ND		ug/l	100	18.	100
1,3-Dichlorobenzene	ND		ug/l	100	19.	100
1,4-Dichlorobenzene	ND		ug/l	100	22.	100

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID: L1104005-05 D Date Collected: 03/25/11 20:05

Client ID: DUP-1 Date Received: 03/28/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	200	16.	100
p/m-Xylene	ND		ug/l	200	35.	100
o-Xylene	ND		ug/l	100	33.	100
cis-1,2-Dichloroethene	1000		ug/l	100	19.	100
Dibromomethane	ND		ug/l	200	36.	100
1,2,3-Trichloropropane	ND		ug/l	200	43.	100
Styrene	ND		ug/l	100	36.	100
Dichlorodifluoromethane	ND		ug/l	200	30.	100
Acetone	ND		ug/l	500	160	100
Carbon disulfide	ND		ug/l	200	30.	100
2-Butanone	ND		ug/l	500	190	100
4-Methyl-2-pentanone	ND		ug/l	500	42.	100
2-Hexanone	ND		ug/l	500	58.	100
Bromochloromethane	ND		ug/l	200	33.	100
Tetrahydrofuran	ND		ug/l	500	130	100
2,2-Dichloropropane	ND		ug/l	200	40.	100
1,2-Dibromoethane	ND		ug/l	200	32.	100
1,3-Dichloropropane	ND		ug/l	200	21.	100
1,1,1,2-Tetrachloroethane	ND		ug/l	100	16.	100
Bromobenzene	ND		ug/l	200	18.	100
n-Butylbenzene	ND		ug/l	200	20.	100
sec-Butylbenzene	ND		ug/l	200	18.	100
tert-Butylbenzene	ND		ug/l	200	30.	100
o-Chlorotoluene	ND		ug/l	200	18.	100
p-Chlorotoluene	ND		ug/l	200	18.	100
1,2-Dibromo-3-chloropropane	ND		ug/l	200	33.	100
Hexachlorobutadiene	ND		ug/l	60	23.	100
Isopropylbenzene	ND		ug/l	200	19.	100
p-Isopropyltoluene	ND		ug/l	200	19.	100
Naphthalene	ND		ug/l	200	22.	100
n-Propylbenzene	ND		ug/l	200	17.	100
1,2,3-Trichlorobenzene	ND		ug/l	200	23.	100
1,2,4-Trichlorobenzene	ND		ug/l	200	22.	100
1,3,5-Trimethylbenzene	ND		ug/l	200	21.	100
1,2,4-Trimethylbenzene	ND		ug/l	200	27.	100
Ethyl ether	ND		ug/l	200	20.	100
Isopropyl Ether	ND		ug/l	200	16.	100
Ethyl-Tert-Butyl-Ether	ND		ug/l	200	46.	100
Tertiary-Amyl Methyl Ether	ND		ug/l	200	38.	100

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-05	D	Date Collected:	03/25/11 20:05
Client ID:	DUP-1		Date Received:	03/28/11
Sample Location:	NBHS		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	25000	7600	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-05	D	Date Collected:	03/25/11 20:05
Client ID:	DUP-1		Date Received:	03/28/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	03/30/11 15:58			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	26000		ug/l	500	87.	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	113		70-130

Project Name: NEW BEDFORD
Project Number: 115058
Lab Number: L1104005
Report Date: 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-06	Date Collected:	03/25/11 00:00
Client ID:	TRIP BLANK	Date Received:	03/28/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	03/29/11 08:09		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	0.54	1
1,1-Dichloroethane	ND		ug/l	1.0	0.22	1
Chloroform	ND		ug/l	1.0	0.20	1
Carbon tetrachloride	ND		ug/l	1.0	0.16	1
1,2-Dichloropropane	ND		ug/l	1.0	0.30	1
Dibromochloromethane	ND		ug/l	1.0	0.19	1
1,1,2-Trichloroethane	ND		ug/l	1.0	0.26	1
Tetrachloroethene	ND		ug/l	1.0	0.18	1
Chlorobenzene	ND		ug/l	1.0	0.19	1
Trichlorofluoromethane	ND		ug/l	2.0	0.27	1
1,2-Dichloroethane	ND		ug/l	1.0	0.16	1
1,1,1-Trichloroethane	ND		ug/l	1.0	0.16	1
Bromodichloromethane	ND		ug/l	1.0	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.0	0.26	1
Bromoform	ND		ug/l	2.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.19	1
Benzene	ND		ug/l	1.0	0.19	1
Toluene	ND		ug/l	1.0	0.23	1
Ethylbenzene	ND		ug/l	1.0	0.26	1
Chloromethane	ND		ug/l	2.0	0.28	1
Bromomethane	ND		ug/l	2.0	0.26	1
Vinyl chloride	ND		ug/l	1.0	0.22	1
Chloroethane	ND		ug/l	2.0	0.23	1
1,1-Dichloroethene	ND		ug/l	1.0	0.18	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	0.21	1
Trichloroethene	ND		ug/l	1.0	0.17	1
1,2-Dichlorobenzene	ND		ug/l	1.0	0.18	1
1,3-Dichlorobenzene	ND		ug/l	1.0	0.19	1
1,4-Dichlorobenzene	ND		ug/l	1.0	0.22	1

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID: L1104005-06 Date Collected: 03/25/11 00:00

Client ID: TRIP BLANK Date Received: 03/28/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.0	0.16	1
p/m-Xylene	ND		ug/l	2.0	0.35	1
o-Xylene	ND		ug/l	1.0	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.19	1
Dibromomethane	ND		ug/l	2.0	0.36	1
1,2,3-Trichloropropane	ND		ug/l	2.0	0.43	1
Styrene	ND		ug/l	1.0	0.36	1
Dichlorodifluoromethane	ND		ug/l	2.0	0.30	1
Acetone	ND		ug/l	5.0	1.6	1
Carbon disulfide	ND		ug/l	2.0	0.30	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42	1
2-Hexanone	ND		ug/l	5.0	0.58	1
Bromochloromethane	ND		ug/l	2.0	0.33	1
Tetrahydrofuran	ND		ug/l	5.0	1.3	1
2,2-Dichloropropane	ND		ug/l	2.0	0.40	1
1,2-Dibromoethane	ND		ug/l	2.0	0.32	1
1,3-Dichloropropane	ND		ug/l	2.0	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	0.16	1
Bromobenzene	ND		ug/l	2.0	0.18	1
n-Butylbenzene	ND		ug/l	2.0	0.20	1
sec-Butylbenzene	ND		ug/l	2.0	0.18	1
tert-Butylbenzene	ND		ug/l	2.0	0.30	1
o-Chlorotoluene	ND		ug/l	2.0	0.18	1
p-Chlorotoluene	ND		ug/l	2.0	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	0.33	1
Hexachlorobutadiene	ND		ug/l	0.60	0.23	1
Isopropylbenzene	ND		ug/l	2.0	0.19	1
p-Isopropyltoluene	ND		ug/l	2.0	0.19	1
Naphthalene	ND		ug/l	2.0	0.22	1
n-Propylbenzene	ND		ug/l	2.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/l	2.0	0.23	1
1,2,4-Trichlorobenzene	ND		ug/l	2.0	0.22	1
1,3,5-Trimethylbenzene	ND		ug/l	2.0	0.21	1
1,2,4-Trimethylbenzene	ND		ug/l	2.0	0.27	1
Ethyl ether	ND		ug/l	2.0	0.20	1
Isopropyl Ether	ND		ug/l	2.0	0.16	1
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	0.46	1
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.38	1

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

SAMPLE RESULTS

Lab ID:	L1104005-06	Date Collected:	03/25/11 00:00
Client ID:	TRIP BLANK	Date Received:	03/28/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	76.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	104		70-130

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 03/29/11 07:38
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 02-06 Batch: WG460627-3					
Methylene chloride	ND		ug/l	2.0	0.54
1,1-Dichloroethane	ND		ug/l	1.0	0.22
Chloroform	ND		ug/l	1.0	0.20
Carbon tetrachloride	ND		ug/l	1.0	0.16
1,2-Dichloropropane	ND		ug/l	1.0	0.30
Dibromochloromethane	ND		ug/l	1.0	0.19
1,1,2-Trichloroethane	ND		ug/l	1.0	0.26
Tetrachloroethene	ND		ug/l	1.0	0.18
Chlorobenzene	ND		ug/l	1.0	0.19
Trichlorofluoromethane	ND		ug/l	2.0	0.27
1,2-Dichloroethane	ND		ug/l	1.0	0.16
1,1,1-Trichloroethane	ND		ug/l	1.0	0.16
Bromodichloromethane	ND		ug/l	1.0	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.0	0.26
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.19
Benzene	ND		ug/l	1.0	0.19
Toluene	ND		ug/l	1.0	0.23
Ethylbenzene	ND		ug/l	1.0	0.26
Chloromethane	ND		ug/l	2.0	0.28
Bromomethane	ND		ug/l	2.0	0.26
Vinyl chloride	ND		ug/l	1.0	0.22
Chloroethane	ND		ug/l	2.0	0.23
1,1-Dichloroethene	ND		ug/l	1.0	0.18
trans-1,2-Dichloroethene	ND		ug/l	1.0	0.21
Trichloroethene	ND		ug/l	1.0	0.17
1,2-Dichlorobenzene	ND		ug/l	1.0	0.18
1,3-Dichlorobenzene	ND		ug/l	1.0	0.19
1,4-Dichlorobenzene	ND		ug/l	1.0	0.22

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 03/29/11 07:38
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 02-06 Batch: WG460627-3					
Methyl tert butyl ether	ND		ug/l	2.0	0.16
p/m-Xylene	ND		ug/l	2.0	0.35
o-Xylene	ND		ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.19
Dibromomethane	ND		ug/l	2.0	0.36
1,2,3-Trichloropropane	ND		ug/l	2.0	0.43
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	2.0	0.30
Acetone	ND		ug/l	5.0	1.6
Carbon disulfide	ND		ug/l	2.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.58
Bromochloromethane	ND		ug/l	2.0	0.33
Tetrahydrofuran	ND		ug/l	5.0	1.3
2,2-Dichloropropane	ND		ug/l	2.0	0.40
1,2-Dibromoethane	ND		ug/l	2.0	0.32
1,3-Dichloropropane	ND		ug/l	2.0	0.21
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	0.16
Bromobenzene	ND		ug/l	2.0	0.18
n-Butylbenzene	ND		ug/l	2.0	0.20
sec-Butylbenzene	ND		ug/l	2.0	0.18
tert-Butylbenzene	ND		ug/l	2.0	0.30
o-Chlorotoluene	ND		ug/l	2.0	0.18
p-Chlorotoluene	ND		ug/l	2.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	0.33
Hexachlorobutadiene	ND		ug/l	0.60	0.23
Isopropylbenzene	ND		ug/l	2.0	0.19
p-Isopropyltoluene	ND		ug/l	2.0	0.19
Naphthalene	ND		ug/l	2.0	0.22
n-Propylbenzene	ND		ug/l	2.0	0.17

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 03/29/11 07:38
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 02-06 Batch: WG460627-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	0.23
1,2,4-Trichlorobenzene	ND		ug/l	2.0	0.22
1,3,5-Trimethylbenzene	ND		ug/l	2.0	0.21
1,2,4-Trimethylbenzene	ND		ug/l	2.0	0.27
Ethyl ether	ND		ug/l	2.0	0.20
Isopropyl Ether	ND		ug/l	2.0	0.16
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	0.46
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.38
1,4-Dioxane	ND		ug/l	250	76.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	106		70-130

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 03/30/11 10:00
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 04-05 Batch: WG460627-6					
Methylene chloride	ND		ug/l	2.0	0.54
1,1-Dichloroethane	ND		ug/l	1.0	0.22
Chloroform	ND		ug/l	1.0	0.20
Carbon tetrachloride	ND		ug/l	1.0	0.16
1,2-Dichloropropane	ND		ug/l	1.0	0.30
Dibromochloromethane	ND		ug/l	1.0	0.19
1,1,2-Trichloroethane	ND		ug/l	1.0	0.26
Tetrachloroethene	ND		ug/l	1.0	0.18
Chlorobenzene	ND		ug/l	1.0	0.19
1,2-Dichloroethane	ND		ug/l	1.0	0.16
1,1,1-Trichloroethane	ND		ug/l	1.0	0.16
Bromodichloromethane	ND		ug/l	1.0	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.19
Chloromethane	ND		ug/l	2.0	0.28
Vinyl chloride	ND		ug/l	1.0	0.22
Chloroethane	ND		ug/l	2.0	0.23
1,1-Dichloroethene	ND		ug/l	1.0	0.18
trans-1,2-Dichloroethene	ND		ug/l	1.0	0.21
Trichloroethene	ND		ug/l	1.0	0.17
1,2-Dichlorobenzene	ND		ug/l	1.0	0.18
1,3-Dichlorobenzene	ND		ug/l	1.0	0.19
1,4-Dichlorobenzene	ND		ug/l	1.0	0.22
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.19
Dichlorodifluoromethane	ND		ug/l	2.0	0.30
1,2-Dibromoethane	ND		ug/l	2.0	0.32
1,3-Dichloropropane	ND		ug/l	2.0	0.21
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	0.16
o-Chlorotoluene	ND		ug/l	2.0	0.18

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 03/30/11 10:00
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 04-05 Batch: WG460627-6					
p-Chlorotoluene	ND		ug/l	2.0	0.18
Hexachlorobutadiene	ND		ug/l	0.60	0.23
1,2,4-Trichlorobenzene	ND		ug/l	2.0	0.22

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	111		70-130

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 03/30/11 05:10
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG460751-3					
Methylene chloride	ND		ug/l	2.0	0.54
1,1-Dichloroethane	ND		ug/l	1.0	0.22
Chloroform	ND		ug/l	1.0	0.20
Carbon tetrachloride	ND		ug/l	1.0	0.16
1,2-Dichloropropane	ND		ug/l	1.0	0.30
Dibromochloromethane	ND		ug/l	1.0	0.19
1,1,2-Trichloroethane	ND		ug/l	1.0	0.26
Tetrachloroethene	ND		ug/l	1.0	0.18
Chlorobenzene	ND		ug/l	1.0	0.19
Trichlorofluoromethane	ND		ug/l	2.0	0.27
1,2-Dichloroethane	ND		ug/l	1.0	0.16
1,1,1-Trichloroethane	ND		ug/l	1.0	0.16
Bromodichloromethane	ND		ug/l	1.0	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.0	0.26
Bromoform	ND		ug/l	2.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.19
Benzene	ND		ug/l	1.0	0.19
Toluene	ND		ug/l	1.0	0.23
Ethylbenzene	ND		ug/l	1.0	0.26
Chloromethane	ND		ug/l	2.0	0.28
Bromomethane	ND		ug/l	2.0	0.26
Vinyl chloride	ND		ug/l	1.0	0.22
Chloroethane	ND		ug/l	2.0	0.23
1,1-Dichloroethene	ND		ug/l	1.0	0.18
trans-1,2-Dichloroethene	ND		ug/l	1.0	0.21
Trichloroethene	ND		ug/l	1.0	0.17
1,2-Dichlorobenzene	ND		ug/l	1.0	0.18
1,3-Dichlorobenzene	ND		ug/l	1.0	0.19
1,4-Dichlorobenzene	ND		ug/l	1.0	0.22

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 03/30/11 05:10
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG460751-3					
Methyl tert butyl ether	ND		ug/l	2.0	0.16
p/m-Xylene	ND		ug/l	2.0	0.35
o-Xylene	ND		ug/l	1.0	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.19
Dibromomethane	ND		ug/l	2.0	0.36
1,2,3-Trichloropropane	ND		ug/l	2.0	0.43
Styrene	ND		ug/l	1.0	0.36
Dichlorodifluoromethane	ND		ug/l	2.0	0.30
Acetone	ND		ug/l	5.0	1.6
Carbon disulfide	ND		ug/l	2.0	0.30
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	0.42
2-Hexanone	ND		ug/l	5.0	0.58
Bromochloromethane	ND		ug/l	2.0	0.33
Tetrahydrofuran	ND		ug/l	5.0	1.3
2,2-Dichloropropane	ND		ug/l	2.0	0.40
1,2-Dibromoethane	ND		ug/l	2.0	0.32
1,3-Dichloropropane	ND		ug/l	2.0	0.21
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	0.16
Bromobenzene	ND		ug/l	2.0	0.18
n-Butylbenzene	ND		ug/l	2.0	0.20
sec-Butylbenzene	ND		ug/l	2.0	0.18
tert-Butylbenzene	ND		ug/l	2.0	0.30
o-Chlorotoluene	ND		ug/l	2.0	0.18
p-Chlorotoluene	ND		ug/l	2.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	0.33
Hexachlorobutadiene	0.25	J	ug/l	0.60	0.23
Isopropylbenzene	ND		ug/l	2.0	0.19
p-Isopropyltoluene	ND		ug/l	2.0	0.19
Naphthalene	ND		ug/l	2.0	0.22
n-Propylbenzene	ND		ug/l	2.0	0.17

Project Name: NEW BEDFORD **Lab Number:** L1104005

Project Number: 115058 **Report Date:** 04/08/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 03/30/11 05:10
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG460751-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	0.23
1,2,4-Trichlorobenzene	ND		ug/l	2.0	0.22
1,3,5-Trimethylbenzene	ND		ug/l	2.0	0.21
1,2,4-Trimethylbenzene	ND		ug/l	2.0	0.27
Ethyl ether	ND		ug/l	2.0	0.20
Isopropyl Ether	ND		ug/l	2.0	0.16
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	0.46
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.38
1,4-Dioxane	ND		ug/l	250	76.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1104005
Report Date: 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 02-06 Batch: WG460627-1 WG460627-2								
Methylene chloride	111		103		70-130	7		20
1,1-Dichloroethane	105		102		70-130	3		20
Chloroform	107		104		70-130	3		20
Carbon tetrachloride	87		90		70-130	3		20
1,2-Dichloropropane	104		97		70-130	7		20
Dibromochloromethane	84		83		70-130	1		20
1,1,2-Trichloroethane	95		88		70-130	8		20
Tetrachloroethene	96		93		70-130	3		20
Chlorobenzene	90		85		70-130	6		20
Trichlorofluoromethane	123		116		70-130	6		20
1,2-Dichloroethane	114		107		70-130	6		20
1,1,1-Trichloroethane	97		97		70-130	0		20
Bromodichloromethane	100		98		70-130	2		20
trans-1,3-Dichloropropene	79		74		70-130	7		20
cis-1,3-Dichloropropene	90		86		70-130	5		20
1,1-Dichloropropene	106		102		70-130	4		20
Bromoform	72		72		70-130	0		20
1,1,2,2-Tetrachloroethane	89		82		70-130	8		20
Benzene	105		100		70-130	5		20
Toluene	90		88		70-130	2		20
Ethylbenzene	93		90		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1104005
Report Date: 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 02-06 Batch: WG460627-1 WG460627-2								
Chloromethane	92		86		70-130	7		20
Bromomethane	109		100		70-130	9		20
Vinyl chloride	96		93		70-130	3		20
Chloroethane	102		96		70-130	6		20
1,1-Dichloroethene	108		104		70-130	4		20
trans-1,2-Dichloroethene	106		101		70-130	5		20
Trichloroethene	106		102		70-130	4		20
1,2-Dichlorobenzene	92		86		70-130	7		20
1,3-Dichlorobenzene	92		85		70-130	8		20
1,4-Dichlorobenzene	92		85		70-130	8		20
Methyl tert butyl ether	106		100		70-130	6		20
p/m-Xylene	94		91		70-130	3		20
o-Xylene	91		89		70-130	2		20
cis-1,2-Dichloroethene	111		105		70-130	6		20
Dibromomethane	113		106		70-130	6		20
1,2,3-Trichloropropane	90		84		70-130	7		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	82		79		70-130	4		20
Acetone	107		98		70-130	9		20
Carbon disulfide	73		72		70-130	1		20
2-Butanone	93		88		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1104005
Report Date: 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 02-06 Batch: WG460627-1 WG460627-2								
4-Methyl-2-pentanone	86		82		70-130	5		20
2-Hexanone	75		72		70-130	4		20
Bromochloromethane	116		109		70-130	6		20
Tetrahydrofuran	106		101		70-130	5		20
2,2-Dichloropropane	99		95		70-130	4		20
1,2-Dibromoethane	96		88		70-130	9		20
1,3-Dichloropropane	97		91		70-130	6		20
1,1,1,2-Tetrachloroethane	78		79		70-130	1		20
Bromobenzene	92		87		70-130	6		20
n-Butylbenzene	94		88		70-130	7		20
sec-Butylbenzene	91		86		70-130	6		20
tert-Butylbenzene	89		85		70-130	5		20
o-Chlorotoluene	91		86		70-130	6		20
p-Chlorotoluene	91		86		70-130	6		20
1,2-Dibromo-3-chloropropane	72		72		70-130	0		20
Hexachlorobutadiene	95		88		70-130	8		20
Isopropylbenzene	93		90		70-130	3		20
p-Isopropyltoluene	96		90		70-130	6		20
Naphthalene	83		76		70-130	9		20
n-Propylbenzene	90		86		70-130	5		20
1,2,3-Trichlorobenzene	88		83		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1104005
Report Date: 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 02-06 Batch: WG460627-1 WG460627-2								
1,2,4-Trichlorobenzene	90		83		70-130	8		20
1,3,5-Trimethylbenzene	88		83		70-130	6		20
1,2,4-Trimethylbenzene	91		86		70-130	6		20
Ethyl ether	114		112		70-130	2		20
Isopropyl Ether	103		100		70-130	3		20
Ethyl-Tert-Butyl-Ether	99		96		70-130	3		20
Tertiary-Amyl Methyl Ether	99		96		70-130	3		20
1,4-Dioxane	109		106		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	92		92		70-130
4-Bromofluorobenzene	95		95		70-130
Dibromofluoromethane	102		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1104005
Report Date: 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 04-05 Batch: WG460627-4 WG460627-5								
Methylene chloride	114		107		70-130	6		20
1,1-Dichloroethane	105		98		70-130	7		20
Chloroform	108		104		70-130	4		20
Carbon tetrachloride	118		108		70-130	9		20
1,2-Dichloropropane	105		100		70-130	5		20
Dibromochloromethane	108		99		70-130	9		20
1,1,2-Trichloroethane	108		90		70-130	18		20
Tetrachloroethene	119		110		70-130	8		20
Chlorobenzene	97		92		70-130	5		20
1,2-Dichloroethane	111		104		70-130	7		20
1,1,1-Trichloroethane	112		103		70-130	8		20
Bromodichloromethane	121		107		70-130	12		20
trans-1,3-Dichloropropene	100		91		70-130	9		20
cis-1,3-Dichloropropene	108		100		70-130	8		20
Bromoform	108		98		70-130	10		20
1,1,2,2-Tetrachloroethane	90		80		70-130	12		20
Chloromethane	96		91		70-130	5		20
Vinyl chloride	103		99		70-130	4		20
Chloroethane	83		77		70-130	8		20
1,1-Dichloroethene	93		88		70-130	6		20
trans-1,2-Dichloroethene	112		104		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1104005
Report Date: 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 04-05 Batch: WG460627-4 WG460627-5								
Trichloroethene	110		103		70-130	7		20
1,2-Dichlorobenzene	89		88		70-130	1		20
1,3-Dichlorobenzene	86		88		70-130	2		20
1,4-Dichlorobenzene	87		90		70-130	3		20
cis-1,2-Dichloroethene	114		108		70-130	5		20
Dichlorodifluoromethane	104		100		70-130	4		20
1,2-Dibromoethane	106		95		70-130	11		20
1,3-Dichloropropane	100		91		70-130	9		20
1,1,1,2-Tetrachloroethane	106		100		70-130	6		20
o-Chlorotoluene	**68**	Q	70		70-130	3		20
p-Chlorotoluene	85		84		70-130	1		20
Hexachlorobutadiene	88		91		70-130	3		20
1,2,4-Trichlorobenzene	82		86		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		87		70-130
Toluene-d8	90		89		70-130
4-Bromofluorobenzene	86		89		70-130
Dibromofluoromethane	106		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1104005
Report Date: 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG460751-1 WG460751-2								
Methylene chloride	113		109		70-130	4		20
1,1-Dichloroethane	107		107		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	88		96		70-130	9		20
1,2-Dichloropropane	103		100		70-130	3		20
Dibromochloromethane	85		88		70-130	3		20
1,1,2-Trichloroethane	95		91		70-130	4		20
Tetrachloroethene	97		97		70-130	0		20
Chlorobenzene	91		89		70-130	2		20
Trichlorofluoromethane	122		120		70-130	2		20
1,2-Dichloroethane	116		114		70-130	2		20
1,1,1-Trichloroethane	98		102		70-130	4		20
Bromodichloromethane	101		105		70-130	4		20
trans-1,3-Dichloropropene	73		74		70-130	1		20
cis-1,3-Dichloropropene	88		88		70-130	0		20
1,1-Dichloropropene	106		108		70-130	2		20
Bromoform	72		78		70-130	8		20
1,1,2,2-Tetrachloroethane	85		84		70-130	1		20
Benzene	107		106		70-130	1		20
Toluene	89		90		70-130	1		20
Ethylbenzene	94		94		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1104005
Report Date: 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG460751-1 WG460751-2								
Chloromethane	90		87		70-130	3		20
Bromomethane	83		89		70-130	7		20
Vinyl chloride	96		96		70-130	0		20
Chloroethane	102		102		70-130	0		20
1,1-Dichloroethene	109		107		70-130	2		20
trans-1,2-Dichloroethene	106		105		70-130	1		20
Trichloroethene	109		108		70-130	1		20
1,2-Dichlorobenzene	93		91		70-130	2		20
1,3-Dichlorobenzene	92		90		70-130	2		20
1,4-Dichlorobenzene	91		90		70-130	1		20
Methyl tert butyl ether	107		100		70-130	7		20
p/m-Xylene	95		94		70-130	1		20
o-Xylene	92		91		70-130	1		20
cis-1,2-Dichloroethene	112		111		70-130	1		20
Dibromomethane	112		108		70-130	4		20
1,2,3-Trichloropropane	88		85		70-130	3		20
Styrene	92		92		70-130	0		20
Dichlorodifluoromethane	79		78		70-130	1		20
Acetone	129		114		70-130	12		20
Carbon disulfide	103		104		70-130	1		20
2-Butanone	104		99		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1104005
Report Date: 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG460751-1 WG460751-2								
4-Methyl-2-pentanone	97		90		70-130	7		20
2-Hexanone	83		77		70-130	8		20
Bromochloromethane	116		112		70-130	4		20
Tetrahydrofuran	105		96		70-130	9		20
2,2-Dichloropropane	88		94		70-130	7		20
1,2-Dibromoethane	95		90		70-130	5		20
1,3-Dichloropropane	98		94		70-130	4		20
1,1,1,2-Tetrachloroethane	80		82		70-130	2		20
Bromobenzene	90		90		70-130	0		20
n-Butylbenzene	95		93		70-130	2		20
sec-Butylbenzene	92		90		70-130	2		20
tert-Butylbenzene	91		90		70-130	1		20
o-Chlorotoluene	90		89		70-130	1		20
p-Chlorotoluene	91		89		70-130	2		20
1,2-Dibromo-3-chloropropane	74		75		70-130	1		20
Hexachlorobutadiene	99		98		70-130	1		20
Isopropylbenzene	95		95		70-130	0		20
p-Isopropyltoluene	97		96		70-130	1		20
Naphthalene	82		79		70-130	4		20
n-Propylbenzene	90		89		70-130	1		20
1,2,3-Trichlorobenzene	90		88		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1104005
Report Date: 04/08/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG460751-1 WG460751-2								
1,2,4-Trichlorobenzene	92		91		70-130	1		20
1,3,5-Trimethylbenzene	87		87		70-130	0		20
1,2,4-Trimethylbenzene	90		90		70-130	0		20
Ethyl ether	117		111		70-130	5		20
Isopropyl Ether	105		101		70-130	4		20
Ethyl-Tert-Butyl-Ether	99		93		70-130	6		20
Tertiary-Amyl Methyl Ether	98		95		70-130	3		20
1,4-Dioxane	118		101		70-130	16		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		100		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	106		105		70-130

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1104005
Report Date: 04/08/11

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(*)
L1104005-01A	Vial HCl preserved	A	N/A	2.4	Y	Absent	MCP-8260-10(14)
L1104005-01B	Vial HCl preserved	A	N/A	2.4	Y	Absent	MCP-8260-10(14)
L1104005-02A	Vial HCl preserved	A	N/A	2.4	Y	Absent	MCP-8260-10(14)
L1104005-02B	Vial HCl preserved	A	N/A	2.4	Y	Absent	MCP-8260-10(14)
L1104005-03A	Vial HCl preserved	A	N/A	2.4	Y	Absent	MCP-8260-10(14)
L1104005-03B	Vial HCl preserved	A	N/A	2.4	Y	Absent	MCP-8260-10(14)
L1104005-04A	Vial HCl preserved	A	N/A	2.4	Y	Absent	MCP-8260-10(14)
L1104005-04B	Vial HCl preserved	A	N/A	2.4	Y	Absent	MCP-8260-10(14)
L1104005-05A	Vial HCl preserved	A	N/A	2.4	Y	Absent	MCP-8260-10(14)
L1104005-05B	Vial HCl preserved	A	N/A	2.4	Y	Absent	MCP-8260-10(14)
L1104005-06A	Vial HCl preserved	A	N/A	2.4	Y	Absent	MCP-8260-10(14)

*Values in parentheses indicate holding time in days

Project Name:	NEW BEDFORD	**Lab Number:**	L1104005
Project Number:	115058	**Report Date:**	04/08/11

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.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
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

Project Name:	NEW BEDFORD	**Lab Number:**	L1104005
Project Number:	115058	**Report Date:**	04/08/11

Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

Project Name: NEW BEDFORD **Lab Number:** L1104005
Project Number: 115058 **Report Date:** 04/08/11

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 February 23, 2011 - Westboro Facility

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

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

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

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

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 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); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, 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. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

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

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 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 NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 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, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 3/28/11

ALPHA Job #: L1104005

Client Information

Client: TRC

Address: 650 SUFFOLK ST
LOWELL MA

Phone: 978 656 3565

Fax:

Email: DSULLIVAN@TRCSOLUTIONS.COM

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: NEW BEDFORD

Project Location: NBHS

Project #: 115058

Project Manager: DAVID SULLIVAN

ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved!)

Date Due: 4/1/2011 Time: AM

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOCs 8260	Sample Specific Comments	TOTAL # BOTTLES
04005 1	MW 27 D	3/25	18:00	GW	JF	✓		
2	MW-28	"	18:15	GW	JF	✓		
3	MW-27 R	"	18:40	GW	JF	✓		
4	MW-32	"	19:05	GW	JF	✓		
5	DUP-1	"	20:05	GW	JF	✓		
6	TRIP BLANK	-	-			✓		

Container Type	V
Preservative	3

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	3/28/11 1600	[illegible]	3/28/11 1600
[illegible]	3/28/11 1720	[illegible]	3/28/11 1720

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

Serial_No:04081111:22

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104005

Instrument ID: Quimby.i Calibration Date: 29-MAR-2011 Time: 06:05

Lab File ID: 0329A01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.34924	.28768	.1	18	20	
chloromethane	.35628	.32626	.1	8	20	
vinyl chloride	.30181	.29068	.1	4	20	
bromomethane	.22898	.25054	.1	-9	20	
chloroethane	.20794	.21274	.1	-2	20	
trichlorofluoromethane	.42568	.52258	.1	-23	20	F
ethyl ether	.12007	.1366	.05	-14	20	
acrolien	.02445	.02353	.05	4	20	F
freon-113	.29194	.35329	.1	-21	20	F
acetone	100	107	.1	-7	20	
1,1,-dichloroethene	.30271	.32788	.1	-8	20	
tert-butyl alcohol	.00951	.00844	.05	11	20	F
iodomethane	.50617	.35369	.05	30	20	F
methylene chloride	.30372	.33683	.1	-11	20	
carbon disulfide	.91586	.66852	.1	27	20	F
acrylonitrile	.0487	.05014	.05	-3	20	F
methyl tert butyl ether	.51963	.5502	.1	-6	20	
Halothane	.25477	.25574	.05	0	20	
trans-1,2-dichloroethene	.34461	.36702	.1	-7	20	
Diisopropyl Ether	.81846	.84628	.05	-3	20	
vinyl acetate	.38582	.40107	.05	-4	20	
1,1-dichloroethane	.58497	.61652	.2	-5	20	
Ethyl-Tert-Butyl-Ether	.7021	.69683	.05	1	20	
2-butanone	.05505	.05108	.1	7	20	F
2,2-dichloropropane	.38987	.38476	.05	1	20	
ethyl acetate	.11173	.11264	.05	-1	20	
cis-1,2-dichloroethene	.36598	.40737	.1	-11	20	
chloroform	.55517	.59323	.2	-7	20	
bromochloromethane	.13826	.16067	.05	-16	20	
tetrahydrofuran	100	106	.05	-6	20	
1,1,1-trichloroethane	.50175	.48528	.1	3	20	
1,1-dichloropropene	.47777	.50474	.05	-6	20	
carbontetrachloride	.40299	.3499	.1	13	20	
Tertiary-Amyl Methyl Ether	.59124	.5864	.05	1	20	
1,2-dichloroethane	.29658	.33803	.1	-14	20	
benzene	1.4222	1.4885	.5	-5	20	
trichloroethene	.35492	.3768	.2	-6	20	
1,2-dichloropropane	.31236	.32392	.1	-4	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104005

Instrument ID: Quimby.i Calibration Date: 29-MAR-2011 Time: 06:05

Lab File ID: 0329A01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
bromodichloromethane	.34843	.34854	.2	0	20	
1,4-dioxane	.00121	.00132	.05	-9	20	F
dibromomethane	.12614	.14267	.05	-13	20	
2-chloroethylvinyl ether	.10568	.08486	.05	20	20	
4-methyl-2-pentanone	.05144	.04413	.1	14	20	F
cis-1,3-dichloropropene	.449	.40364	.2	10	20	
toluene	1.1887	1.0697	.4	10	20	
trans-1,3-dichloropropene	.40626	.32119	.1	21	20	F
1,1,2-trichloroethane	.18806	.17891	.1	5	20	
2-hexanone	.10447	.07789	.1	25	20	F
1,3-dichloropropane	.41055	.39901	.05	3	20	
tetrachloroethene	.54918	.52733	.2	4	20	
chlorodibromomethane	.26275	.22108	.1	16	20	
1,2-dibromoethane	.21528	.20663	.1	4	20	
chlorobenzene	1.3469	1.2134	.5	10	20	
1,1,1,2-tetrachloroethane	.39146	.3064	.05	22	20	F
ethyl benzene	2.4104	2.2500	.1	7	20	
p/m xylene	.97612	.91603	.1	6	20	
o xylene	.96041	.86996	.3	9	20	
styrene	1.5385	1.3871	.31	10	20	
isopropylbenzene	2.4862	2.3020	.1	7	20	
trans-1,4-dichloro-2-butene	.03888	.03348	.05	14	20	F
bromoform	.23103	.16671	.1	28	20	F
1,1,2,2,-tetrachloroethane	.38882	.34477	.3	11	20	
1,2,3-trichloropropane	.302	.2717	.05	10	20	
n-propylbenzene	4.2789	3.8650	.05	10	20	
bromobenzene	.85391	.7856	.05	8	20	
4-ethyltoluene	2.1733	2.1486	.05	1	20	
1,3,5-trimethybenzene	3.1161	2.7346	.05	12	20	
2-chlorotoluene	2.8216	2.5584	.05	9	20	
4-chorotoluene	2.6385	2.4072	.05	9	20	
tert-butylbenzene	2.7401	2.4475	.05	11	20	
1,2,4-trimethylbenzene	3.1459	2.8656	.05	9	20	
sec-butylbenzene	3.7202	3.3841	.05	9	20	
p-isopropyltoluene	3.1690	3.0526	.05	4	20	
1,3-dichlorobenzene	1.7564	1.6092	.6	8	20	
1,4-dichlorobenzene	1.7757	1.6281	.5	8	20	
n-butylbenzene	3.0962	2.9099	.05	6	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104005

Instrument ID: Quimby.i Calibration Date: 29-MAR-2011 Time: 06:05

Lab File ID: 0329A01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
1,2,4,5-tetramathylbenezene	1.0900	1.1690	.05	-7	20	
1,2-dichlorobenzene	1.4995	1.3726	.4	8	20	
p-diethylbenzene	1.5484	1.5888	.05	-3	20	
1,2-dibromo-3-chloropropane	.05659	.04044	.05	29	20	F
1,3,5-trichlorobenzene	1.0666	.93306	.01	13	30	
1,2,4-trichlorobenzene	.83258	.75172	.2	10	20	
hexachlorobutadiene	.4051	.38587	.05	5	20	
naphthalene	1.3212	1.0950	.05	17	20	
1,2,3-trichlorobenzene	.61394	.54327	.05	12	20	
dibromofluoromethane	.23183	.23658	.05	-2	20	
1,2-dichloroethane-d4	.19112	.19411	.05	-2	20	
toluene-d8	1.2966	1.1927	.05	8	20	
4-bromofluorobenzene	.84277	.80255	.05	5	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104005

Instrument ID: Jack.i Calibration Date: 30-MAR-2011 Time: 08:23

Lab File ID: 0330B02 Init. Calib. Date(s): 10-MAR-2 10-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 13:07 16:53

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.72034	.75196	.1	-4	20	
chloromethane	.99697	.95274	.1	4	20	
vinyl chloride	.93982	.96693	.1	-3	20	
chloroethane	.75164	.62056	.1	17	20	
1,1,-dichloroethene	.85355	.79473	.1	7	20	
freon-113	.89108	------	.1	---	20	F
methylene chloride	.72779	.82678	.05	-14	20	
trans-1,2-dichloroethene	.72019	.80914	.1	-12	20	
1,1-dichloroethane	1.4353	1.5059	.2	-5	20	
cis-1,2-dichloroethene	.78747	.89446	.1	-14	20	
chloroform	1.3722	1.4778	.2	-8	20	
carbontetrachloride	.97479	1.1499	.1	-18	20	
1,1,1-trichloroethane	1.1685	1.3104	.1	-12	20	
1,2-dichloroethane	.99407	1.1043	.1	-11	20	
trichloroethene	.78639	.8689	.2	-10	20	
1,2-dichloropropane	.80353	.84524	.1	-5	20	
bromodichloromethane	1.0484	1.2686	.2	-21	20	F
cis-1,3-dichloropropene	1.1717	1.2667	.2	-8	20	
tetrachloroethene	.8607	1.0271	.2	-19	20	
trans-1,3-dichloropropene	1.1884	1.1823	.1	1	20	
1,1,2-trichloroethane	.60413	.65144	.1	-8	20	
chlorodibromomethane	.76048	.82527	.1	-9	20	
1,3-dichloropropane	1.2541	1.2608	.05	-1	20	
1,2-dibromoethane	.66937	.7073	.1	-6	20	
chlorobenzene	2.5137	2.4459	.5	3	20	
1,1,1,2-tetrachloroethane	.79777	.84168	.05	-6	20	
bromoform	.76156	.82557	.1	-8	20	
1,1,2,2,-tetrachloroethane	1.5634	1.4141	.3	10	20	
2-chlorotoluene	6.2159	4.2262	.05	32	20	F
4-chorotoluene	5.4962	4.6783	.05	15	20	
1,3-dichlorobenzene	3.5291	3.0360	.6	14	20	
1,4-dichlorobenzene	3.5292	3.0719	.5	13	20	
1,2-dichlorobenzene	3.2348	2.8864	.4	11	20	
hexachlorobutadiene	.56201	.49399	.05	12	20	
1,2,4-trichlorobenzene	1.6166	1.3178	.2	18	20	
dibromofluoromethane	.27113	.28775	.05	-6	20	
1,2-dichloroethane-d4	.33795	.32136	.05	5	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104005

Instrument ID: Jack.i Calibration Date: 30-MAR-2011 Time: 08:23

Lab File ID: 0330B02 Init. Calib. Date(s): 10-MAR-2 10-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 13:07 16:53

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D
toluene-d8	1.3578	1.2224	.05	10	20
4-bromofluorobenzene	.9766	.83903	.05	14	20

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104005

Instrument ID: Quimby.i Calibration Date: 30-MAR-2011 Time: 04:07

Lab File ID: 0330A01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.34924	.2769	.1	21	20	F
chloromethane	.35628	.32145	.1	10	20	
vinyl chloride	.30181	.29025	.1	4	20	
bromomethane	.22898	.18984	.1	17	20	
chloroethane	.20794	.21196	.1	-2	20	
trichlorofluoromethane	.42568	.51782	.1	-22	20	F
ethyl ether	.12007	.14	.05	-17	20	
acrolien	.02445	.02465	.05	-1	20	F
freon-113	.29194	.36447	.1	-25	20	F
acetone	100	129	.1	-29	20	F
1,1,-dichloroethene	.30271	.32933	.1	-9	20	
tert-butyl alcohol	.00951	.00756	.05	20	20	F
iodomethane	.50617	.44542	.05	12	20	
methylene chloride	.30372	.34245	.1	-13	20	
carbon disulfide	.91586	.94684	.1	-3	20	
acrylonitrile	.0487	.04938	.05	-1	20	F
methyl tert butyl ether	.51963	.5578	.1	-7	20	
Halothane	.25477	.26859	.05	-5	20	
trans-1,2-dichloroethene	.34461	.36716	.1	-7	20	
Diisopropyl Ether	.81846	.85657	.05	-5	20	
vinyl acetate	.38582	.40919	.05	-6	20	
1,1-dichloroethane	.58497	.62663	.2	-7	20	
Ethyl-Tert-Butyl-Ether	.7021	.69246	.05	1	20	
2-butanone	.05505	.05714	.1	-4	20	F
2,2-dichloropropane	.38987	.34502	.05	12	20	
ethyl acetate	.11173	.11622	.05	-4	20	
cis-1,2-dichloroethene	.36598	.40991	.1	-12	20	
chloroform	.55517	.61306	.2	-10	20	
bromochloromethane	.13826	.16098	.05	-16	20	
tetrahydrofuran	100	105	.05	-5	20	
1,1,1-trichloroethane	.50175	.49309	.1	2	20	
1,1-dichloropropene	.47777	.50911	.05	-7	20	
carbontetrachloride	.40299	.35433	.1	12	20	
Tertiary-Amyl Methyl Ether	.59124	.58136	.05	2	20	
1,2-dichloroethane	.29658	.34488	.1	-16	20	
benzene	1.4222	1.5220	.5	-7	20	
trichloroethene	.35492	.38647	.2	-9	20	
1,2-dichloropropane	.31236	.32217	.1	-3	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104005

Instrument ID: Quimby.i Calibration Date: 30-MAR-2011 Time: 04:07

Lab File ID: 0330A01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
bromodichloromethane	.34843	.35064	.2	-1	20	
1,4-dioxane	.00121	.00143	.05	-18	20	F
dibromomethane	.12614	.14178	.05	-12	20	
2-chloroethylvinyl ether	.10568	.09364	.05	11	20	
4-methyl-2-pentanone	.05144	.05	.1	3	20	F
cis-1,3-dichloropropene	.449	.39666	.2	12	20	
toluene	1.1887	1.0622	.4	11	20	
trans-1,3-dichloropropene	.40626	.295	.1	27	20	F
1,1,2-trichloroethane	.18806	.17789	.1	5	20	
2-hexanone	.10447	.08635	.1	17	20	
1,3-dichloropropane	.41055	.40018	.05	3	20	
tetrachloroethene	.54918	.53375	.2	3	20	
chlorodibromomethane	.26275	.22365	.1	15	20	
1,2-dibromoethane	.21528	.20435	.1	5	20	
chlorobenzene	1.3469	1.2208	.5	9	20	
1,1,1,2-tetrachloroethane	.39146	.31291	.05	20	20	F
ethyl benzene	2.4104	2.2689	.1	6	20	
p/m xylene	.97612	.92808	.1	5	20	
o xylene	.96041	.88187	.3	8	20	
styrene	1.5385	1.4140	.31	8	20	
isopropylbenzene	2.4862	2.3658	.1	5	20	
trans-1,4-dichloro-2-butene	.03888	.03313	.05	15	20	F
bromoform	.23103	.16731	.1	28	20	F
1,1,2,2,-tetrachloroethane	.38882	.33215	.3	15	20	
1,2,3-trichloropropane	.302	.26446	.05	12	20	
n-propylbenzene	4.2789	3.8579	.05	10	20	
bromobenzene	.85391	.77226	.05	10	20	
4-ethyltoluene	2.1733	2.1772	.05	0	20	
1,3,5-trimethybenzene	3.1161	2.7191	.05	13	20	
2-chlorotoluene	2.8216	2.5296	.05	10	20	
4-chorotoluene	2.6385	2.3965	.05	9	20	
tert-butylbenzene	2.7401	2.4833	.05	9	20	
1,2,4-trimethylbenzene	3.1459	2.8394	.05	10	20	
sec-butylbenzene	3.7202	3.4216	.05	8	20	
p-isopropyltoluene	3.1690	3.0647	.05	3	20	
1,3-dichlorobenzene	1.7564	1.6210	.6	8	20	
1,4-dichlorobenzene	1.7757	1.6111	.5	9	20	
n-butylbenzene	3.0962	2.9463	.05	5	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104005

Instrument ID: Quimby.i Calibration Date: 30-MAR-2011 Time: 04:07

Lab File ID: 0330A01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
1,2,4,5-tetramathylbenezene	1.0900	1.1947	.05	-10	20	
1,2-dichlorobenzene	1.4995	1.3884	.4	7	20	
p-diethylbenzene	1.5484	1.6030	.05	-4	20	
1,2-dibromo-3-chloropropane	.05659	.04183	.05	26	20	F
1,3,5-trichlorobenzene	1.0666	.97368	.01	9	30	
1,2,4-trichlorobenzene	.83258	.76438	.2	8	20	
hexachlorobutadiene	.4051	.4017	.05	1	20	
naphthalene	1.3212	1.0857	.05	18	20	
1,2,3-trichlorobenzene	.61394	.55425	.05	10	20	
dibromofluoromethane	.23183	.24589	.05	-6	20	
1,2-dichloroethane-d4	.19112	.19471	.05	-2	20	
toluene-d8	1.2966	1.1741	.05	9	20	
4-bromofluorobenzene	.84277	.79144	.05	6	20	

FORM VII MCP-8260-10

ANALYTICAL REPORT

Lab Number:	L1104593
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	David Sullivan
Phone:	(978) 656-3565
Project Name:	NBHS NEW BEDFORD
Project Number:	115058
Report Date:	04/13/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY 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 NEW BEDFORD
Project Number: 115058

Lab Number: L1104593
Report Date: 04/13/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1104593-01	MW-27R	NBHS MECH ROOM	04/05/11 15:30

Project Name: NBHS NEW BEDFORD **Lab Number:** L1104593

Project Number: 115058 **Report Date:** 04/13/11

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 NEW BEDFORD **Lab Number:** L1104593
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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

L1104593-01 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

In reference to question G:

All compounds did not achieve the requested CAM reporting limits.

In reference to question H:

The WG462777-1/-2 LCS/LCSD recoveries, associated with L1104593-01, are below the individual acceptance criteria of 70-130% for trans-1,3-Dichloropropene (64%/65%) and Naphthalene (64%/64%), but within the overall method allowances. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for these compounds.

The WG462777-1/-2 LCS/LCSD recoveries, associated with L1104593-01, are below the acceptance criteria

Project Name: NBHS NEW BEDFORD **Lab Number:** L1104593
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Case Narrative (continued)

of 70-130% for 2-Hexanone (66%/65%) and 1,2-Dibromo-3-chloropropane (LCS at 68%); however, they have been identified as "difficult" analytes and are within the 40-160% acceptance limits. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for these compounds.

The initial calibration, associated with L1104593-01, did not meet the method required minimum response factors on the lowest calibration standards for 2-Butanone (0.06976), 4-Methyl-2-pentanone (0.05668) and 1,4-Dioxane (0.00134), as well as the average response factor for 2-Butanone, 4-Methyl-2-pentanone and 1,4-Dioxane. In addition, a quadratic fit was utilized for Acetone and Tetrahydrofuran.

The continuing calibration standard, associated with L1104593-01, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

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: 04/13/11

ORGANICS

VOLATILES

Project Name: NBHS NEW BEDFORD **Lab Number:** L1104593

Project Number: 115058 **Report Date:** 04/13/11

SAMPLE RESULTS

Lab ID:	L1104593-01	D	Date Collected:	04/05/11 15:30
Client ID:	MW-27R		Date Received:	04/06/11
Sample Location:	NBHS MECH ROOM		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	04/13/11 11:13			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	1000	--	500
1,1-Dichloroethane	ND		ug/l	500	--	500
Chloroform	ND		ug/l	500	--	500
Carbon tetrachloride	ND		ug/l	500	--	500
1,2-Dichloropropane	ND		ug/l	500	--	500
Dibromochloromethane	ND		ug/l	500	--	500
1,1,2-Trichloroethane	ND		ug/l	500	--	500
Tetrachloroethene	ND		ug/l	500	--	500
Chlorobenzene	ND		ug/l	500	--	500
Trichlorofluoromethane	ND		ug/l	1000	--	500
1,2-Dichloroethane	ND		ug/l	500	--	500
1,1,1-Trichloroethane	ND		ug/l	500	--	500
Bromodichloromethane	ND		ug/l	500	--	500
trans-1,3-Dichloropropene	ND		ug/l	250	--	500
cis-1,3-Dichloropropene	ND		ug/l	250	--	500
1,1-Dichloropropene	ND		ug/l	1000	--	500
Bromoform	ND		ug/l	1000	--	500
1,1,2,2-Tetrachloroethane	ND		ug/l	500	--	500
Benzene	ND		ug/l	500	--	500
Toluene	ND		ug/l	500	--	500
Ethylbenzene	ND		ug/l	500	--	500
Chloromethane	ND		ug/l	1000	--	500
Bromomethane	ND		ug/l	1000	--	500
Vinyl chloride	ND		ug/l	500	--	500
Chloroethane	ND		ug/l	1000	--	500
1,1-Dichloroethene	ND		ug/l	500	--	500
trans-1,2-Dichloroethene	ND		ug/l	500	--	500
Trichloroethene	35000		ug/l	500	--	500
1,2-Dichlorobenzene	ND		ug/l	500	--	500
1,3-Dichlorobenzene	ND		ug/l	500	--	500
1,4-Dichlorobenzene	ND		ug/l	500	--	500

Project Name: NBHS NEW BEDFORD **Lab Number:** L1104593

Project Number: 115058 **Report Date:** 04/13/11

SAMPLE RESULTS

Lab ID: L1104593-01 D Date Collected: 04/05/11 15:30

Client ID: MW-27R Date Received: 04/06/11

Sample Location: NBHS MECH ROOM Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1000	--	500
p/m-Xylene	ND		ug/l	1000	--	500
o-Xylene	ND		ug/l	500	--	500
cis-1,2-Dichloroethene	1800		ug/l	500	--	500
Dibromomethane	ND		ug/l	1000	--	500
1,2,3-Trichloropropane	ND		ug/l	1000	--	500
Styrene	ND		ug/l	500	--	500
Dichlorodifluoromethane	ND		ug/l	1000	--	500
Acetone	ND		ug/l	2500	--	500
Carbon disulfide	ND		ug/l	1000	--	500
2-Butanone	ND		ug/l	2500	--	500
4-Methyl-2-pentanone	ND		ug/l	2500	--	500
2-Hexanone	ND		ug/l	2500	--	500
Bromochloromethane	ND		ug/l	1000	--	500
Tetrahydrofuran	ND		ug/l	2500	--	500
2,2-Dichloropropane	ND		ug/l	1000	--	500
1,2-Dibromoethane	ND		ug/l	1000	--	500
1,3-Dichloropropane	ND		ug/l	1000	--	500
1,1,1,2-Tetrachloroethane	ND		ug/l	500	--	500
Bromobenzene	ND		ug/l	1000	--	500
n-Butylbenzene	ND		ug/l	1000	--	500
sec-Butylbenzene	ND		ug/l	1000	--	500
tert-Butylbenzene	ND		ug/l	1000	--	500
o-Chlorotoluene	ND		ug/l	1000	--	500
p-Chlorotoluene	ND		ug/l	1000	--	500
1,2-Dibromo-3-chloropropane	ND		ug/l	1000	--	500
Hexachlorobutadiene	ND		ug/l	300	--	500
Isopropylbenzene	ND		ug/l	1000	--	500
p-Isopropyltoluene	ND		ug/l	1000	--	500
Naphthalene	ND		ug/l	1000	--	500
n-Propylbenzene	ND		ug/l	1000	--	500
1,2,3-Trichlorobenzene	ND		ug/l	1000	--	500
1,2,4-Trichlorobenzene	ND		ug/l	1000	--	500
1,3,5-Trimethylbenzene	ND		ug/l	1000	--	500
1,2,4-Trimethylbenzene	ND		ug/l	1000	--	500
Ethyl ether	ND		ug/l	1000	--	500
Isopropyl Ether	ND		ug/l	1000	--	500
Ethyl-Tert-Butyl-Ether	ND		ug/l	1000	--	500
Tertiary-Amyl Methyl Ether	ND		ug/l	1000	--	500

Project Name: NBHS NEW BEDFORD **Lab Number:** L1104593

Project Number: 115058 **Report Date:** 04/13/11

SAMPLE RESULTS

Lab ID: L1104593-01 D Date Collected: 04/05/11 15:30

Client ID: MW-27R Date Received: 04/06/11

Sample Location: NBHS MECH ROOM Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	120000	--	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	108		70-130

Project Name: NBHS NEW BEDFORD **Lab Number:** L1104593

Project Number: 115058 **Report Date:** 04/13/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/13/11 09:38
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG462777-3					
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 NEW BEDFORD **Lab Number:** L1104593

Project Number: 115058 **Report Date:** 04/13/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/13/11 09:38
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG462777-3					
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	5.0	--
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 NEW BEDFORD **Lab Number:** L1104593

Project Number: 115058 **Report Date:** 04/13/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/13/11 09:38
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01 Batch: WG462777-3					
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	--

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS NEW BEDFORD
Project Number: 115058

Lab Number: L1104593
Report Date: 04/13/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG462777-1 WG462777-2								
Methylene chloride	95		99		70-130	4		20
1,1-Dichloroethane	92		93		70-130	1		20
Chloroform	98		100		70-130	2		20
Carbon tetrachloride	87		94		70-130	8		20
1,2-Dichloropropane	86		87		70-130	1		20
Dibromochloromethane	82		86		70-130	5		20
1,1,2-Trichloroethane	87		88		70-130	1		20
Tetrachloroethene	91		93		70-130	2		20
Chlorobenzene	82		83		70-130	1		20
Trichlorofluoromethane	119		124		70-130	4		20
1,2-Dichloroethane	100		104		70-130	4		20
1,1,1-Trichloroethane	89		94		70-130	5		20
Bromodichloromethane	91		94		70-130	3		20
trans-1,3-Dichloropropene	**64**	Q	**65**	Q	70-130	2		20
cis-1,3-Dichloropropene	72		75		70-130	4		20
1,1-Dichloropropene	93		97		70-130	4		20
Bromoform	80		84		70-130	5		20
1,1,2,2-Tetrachloroethane	82		85		70-130	4		20
Benzene	95		94		70-130	1		20
Toluene	85		86		70-130	1		20
Ethylbenzene	82		83		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS NEW BEDFORD
Project Number: 115058

Lab Number: L1104593
Report Date: 04/13/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG462777-1 WG462777-2								
Chloromethane	87		84		70-130	4		20
Bromomethane	74		75		70-130	1		20
Vinyl chloride	100		102		70-130	2		20
Chloroethane	100		101		70-130	1		20
1,1-Dichloroethene	99		100		70-130	1		20
trans-1,2-Dichloroethene	96		97		70-130	1		20
Trichloroethene	97		98		70-130	1		20
1,2-Dichlorobenzene	86		87		70-130	1		20
1,3-Dichlorobenzene	83		86		70-130	4		20
1,4-Dichlorobenzene	84		86		70-130	2		20
Methyl tert butyl ether	87		87		70-130	0		20
p/m-Xylene	82		83		70-130	1		20
o-Xylene	80		81		70-130	1		20
cis-1,2-Dichloroethene	99		101		70-130	2		20
Dibromomethane	102		100		70-130	2		20
1,2,3-Trichloropropane	83		84		70-130	1		20
Styrene	83		83		70-130	0		20
Dichlorodifluoromethane	82		82		70-130	0		20
Acetone	87		92		70-130	6		20
Carbon disulfide	87		88		70-130	1		20
2-Butanone	85		77		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS NEW BEDFORD
Project Number: 115058
Lab Number: L1104593
Report Date: 04/13/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG462777-1 WG462777-2								
4-Methyl-2-pentanone	74		73		70-130	1		20
2-Hexanone	**66**	Q	**65**	Q	70-130	2		20
Bromochloromethane	107		106		70-130	1		20
Tetrahydrofuran	80		84		70-130	5		20
2,2-Dichloropropane	79		83		70-130	5		20
1,2-Dibromoethane	87		88		70-130	1		20
1,3-Dichloropropane	89		88		70-130	1		20
1,1,1,2-Tetrachloroethane	72		78		70-130	8		20
Bromobenzene	90		93		70-130	3		20
n-Butylbenzene	72		73		70-130	1		20
sec-Butylbenzene	72		73		70-130	1		20
tert-Butylbenzene	74		74		70-130	0		20
o-Chlorotoluene	80		82		70-130	2		20
p-Chlorotoluene	82		83		70-130	1		20
1,2-Dibromo-3-chloropropane	**68**	Q	71		70-130	4		20
Hexachlorobutadiene	82		84		70-130	2		20
Isopropylbenzene	76		77		70-130	1		20
p-Isopropyltoluene	76		78		70-130	3		20
Naphthalene	**64**	Q	**64**	Q	70-130	0		20
n-Propylbenzene	76		78		70-130	3		20
1,2,3-Trichlorobenzene	73		74		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS NEW BEDFORD
Project Number: 115058
Lab Number: L1104593
Report Date: 04/13/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01 Batch: WG462777-1 WG462777-2								
1,2,4-Trichlorobenzene	74		77		70-130	4		20
1,3,5-Trimethylbenzene	75		77		70-130	3		20
1,2,4-Trimethylbenzene	79		80		70-130	1		20
Ethyl ether	101		101		70-130	0		20
Isopropyl Ether	86		87		70-130	1		20
Ethyl-Tert-Butyl-Ether	81		79		70-130	3		20
Tertiary-Amyl Methyl Ether	79		78		70-130	1		20
1,4-Dioxane	104		99		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		102		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	106		104		70-130

Project Name: NBHS NEW BEDFORD
Project Number: 115058

Lab Number: L1104593
Report Date: 04/13/11

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(*)
L1104593-01A	Vial HCl preserved	A	N/A	5.8	Y	Absent	MCP-8260-10(14)
L1104593-01B	Vial HCl preserved	A	N/A	5.8	Y	Absent	MCP-8260-10(14)

*Values in parentheses indicate holding time in days

Project Name:	NBHS NEW BEDFORD	**Lab Number:**	L1104593
Project Number:	115058	**Report Date:**	04/13/11

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.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
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

Project Name:	NBHS NEW BEDFORD	**Lab Number:**	L1104593
Project Number:	115058	**Report Date:**	04/13/11

Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

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

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

Report Format: Data Usability Report

Project Name: NBHS NEW BEDFORD **Lab Number:** L1104593
Project Number: 115058 **Report Date:** 04/13/11

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 February 23, 2011 - Westboro Facility

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

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

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

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

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 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); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, 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. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

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

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 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 NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 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, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 4/6/11

ALPHA Job #: L1104593

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: TRC ENVIRONMENTAL
Address: 650 SUFFOLK ST
LOWELL MA 01854
Phone: 978 970 5600
Fax:
Email: DSULLIVAN@TRCSOLUTIONS.COM ALEONARD
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: NBHS NEW BEDFORD
Project Location: NBHS MECH ROOM
Project #: 115058
Project Manager: DAVID SULLIVAN
ALPHA Quote #:

Turn-Around Time

☐ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MCP Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOCs 8260	SAMPLE HANDLING (Filtration: ☐ Done ☐ Not needed ☐ Lab to do; Preservation: ☐ Lab to do (Please specify below))	Sample Specific Comments	TOTAL # BOTTLES
10459301	MW-27R	4/5/11	15:30	GW	JF	✓			2

Container Type	✓
Preservative	B

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/6/11	[signature]	4/6/11 1805
[signature]	4/7/11 0740	[signature]	4-7-11 830
[signature]	4-7-11 920	[signature]	4/7/11 0920

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

Serial_No:04131115:16

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104593

Instrument ID: Quimby.i Calibration Date: 13-APR-2011 Time: 08:04

Lab File ID: 0413B01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.34924	.28519	.1	18	20	
chloromethane	.35628	.31038	.1	13	20	
vinyl chloride	.30181	.30034	.1	0	20	
bromomethane	.22898	.16954	.1	26	20	F
chloroethane	.20794	.20782	.1	0	20	
trichlorofluoromethane	.42568	.50676	.1	-19	20	
ethyl ether	.12007	.12109	.05	-1	20	
acetone	100	87.164	.1	13	20	
1,1,-dichloroethene	.30271	.29934	.1	1	20	
methylene chloride	.30372	.28735	.1	5	20	
carbon disulfide	.91586	.79663	.1	13	20	
methyl tert butyl ether	.51963	.45283	.1	13	20	
trans-1,2-dichloroethene	.34461	.33013	.1	4	20	
Diisopropyl Ether	.81846	.70303	.05	14	20	
1,1-dichloroethane	.58497	.53621	.2	8	20	
Ethyl-Tert-Butyl-Ether	.7021	.56611	.05	19	20	
2-butanone	.05505	.04677	.1	15	20	F
2,2-dichloropropane	.38987	.30894	.05	21	20	F
cis-1,2-dichloroethene	.36598	.36171	.1	1	20	
chloroform	.55517	.54578	.2	2	20	
bromochloromethane	.13826	.14848	.05	-7	20	
tetrahydrofuran	100	79.921	.05	20	20	F
1,1,1-trichloroethane	.50175	.44842	.1	11	20	
1,1-dichloropropene	.47777	.44616	.05	7	20	
carbontetrachloride	.40299	.34949	.1	13	20	
Tertiary-Amyl Methyl Ether	.59124	.46611	.05	21	20	F
1,2-dichloroethane	.29658	.29749	.1	0	20	
benzene	1.4222	1.3457	.5	5	20	
trichloroethene	.35492	.34465	.2	3	20	
1,2-dichloropropane	.31236	.26964	.1	14	20	
bromodichloromethane	.34843	.31569	.2	9	20	
1,4-dioxane	.00121	.00126	.05	-4	20	F
dibromomethane	.12614	.12909	.05	-2	20	
4-methyl-2-pentanone	.05144	.03788	.1	26	20	F
cis-1,3-dichloropropene	.449	.32432	.2	28	20	F
toluene	1.1887	1.0131	.4	15	20	
trans-1,3-dichloropropene	.40626	.25927	.1	36	20	F
1,1,2-trichloroethane	.18806	.16386	.1	13	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104593

Instrument ID: Quimby.i Calibration Date: 13-APR-2011 Time: 08:04

Lab File ID: 0413B01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
2-hexanone	.10447	.06932	.1	34	20	F
1,3-dichloropropane	.41055	.36448	.05	11	20	
tetrachloroethene	.54918	.49951	.2	9	20	
chlorodibromomethane	.26275	.21451	.1	18	20	
1,2-dibromoethane	.21528	.18684	.1	13	20	
chlorobenzene	1.3469	1.1058	.5	18	20	
1,1,1,2-tetrachloroethane	.39146	.28258	.05	28	20	F
ethyl benzene	2.4104	1.9804	.1	18	20	
p/m xylene	.97612	.79939	.1	18	20	
o xylene	.96041	.76974	.3	20	20	
styrene	1.5385	1.2811	.31	17	20	
isopropylbenzene	2.4862	1.8952	.1	24	20	F
bromoform	.23103	.18521	.1	20	20	
1,1,2,2,-tetrachloroethane	.38882	.32076	.3	18	20	
1,2,3-trichloropropane	.302	.25008	.05	17	20	
n-propylbenzene	4.2789	3.2563	.05	24	20	F
bromobenzene	.85391	.76759	.05	10	20	
1,3,5-trimethybenzene	3.1161	2.3367	.05	25	20	F
2-chlorotoluene	2.8216	2.2715	.05	19	20	
4-chorotoluene	2.6385	2.1525	.05	18	20	
tert-butylbenzene	2.7401	2.0213	.05	26	20	F
1,2,4-trimethylbenzene	3.1459	2.4762	.05	21	20	F
sec-butylbenzene	3.7202	2.6748	.05	28	20	F
p-isopropyltoluene	3.1690	2.3986	.05	24	20	F
1,3-dichlorobenzene	1.7564	1.4591	.6	17	20	
1,4-dichlorobenzene	1.7757	1.4851	.5	16	20	
n-butylbenzene	3.0962	2.2131	.05	29	20	F
1,2-dichlorobenzene	1.4995	1.2842	.4	14	20	
1,2-dibromo-3-chloropropane	.05659	.03868	.05	32	20	F
1,2,4-trichlorobenzene	.83258	.61703	.2	26	20	F
hexachlorobutadiene	.4051	.3321	.05	18	20	
naphthalene	1.3212	.84131	.05	36	20	F
1,2,3-trichlorobenzene	.61394	.44816	.05	27	20	F
dibromofluoromethane	.23183	.24463	.05	-6	20	
1,2-dichloroethane-d4	.19112	.20082	.05	-5	20	
toluene-d8	1.2966	1.2488	.05	4	20	
4-bromofluorobenzene	.84277	.80658	.05	4	20	

FORM VII MCP-8260-10

ANALYTICAL REPORT

Lab Number:	L1104935
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	David Sullivan
Phone:	(978) 656-3565
Project Name:	NEW BEDFORD NBHS
Project Number:	115058
Report Date:	04/15/11

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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: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1104935-01	MW-32	NBHS	04/08/11 17:50
L1104935-02	MW-27D	NBHS	04/08/11 18:10
L1104935-03	DUP	NBHS	04/08/11 18:50
L1104935-04	MW-5D	NBHS	04/08/11 19:30
L1104935-05	MW-27R	NBHS	04/08/11 19:00
L1104935-06	MW-5	NBHS	04/11/11 18:00
L1104935-07	SAND TRAP 4-11-11	NBHS	04/11/11 16:30
L1104935-08	MW-31	NBHS	04/11/11 18:30
L1104935-09	MW-28	NBHS	04/11/11 19:10
L1104935-10	MW-33	NBHS	04/12/11 15:10
L1104935-11	TRIP BLANK	NBHS	04/08/11 00:00

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

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: NEW BEDFORD NBHS **Lab Number:** L1104935
Project Number: 115058 **Report Date:** 04/15/11

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

L1104935-01, -03 and -05 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1104935-09 was re-analyzed on dilution in order to quantitate the sample within the calibration range. The result should be considered estimated, and is qualified with an E flag, for any compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound that exceeded the calibration range.

In reference to question G:

L1104935-01, -03 and -05: None of the target analytes achieved the requested CAM reporting limits.

L1104935-02, -04 and -06 through -11: The requested CAM reporting limit was not achieved for Tetrahydrofuran.

Project Name:	NEW BEDFORD NBHS	**Lab Number:**	L1104935
Project Number:	115058	**Report Date:**	04/15/11

Case Narrative (continued)

In reference to question H:

The WG462777-1/-2 LCS/LCSD recoveries, associated with L1104935-11, are below the individual 70-130% acceptance criteria for trans-1,3-Dichloropropene (64%/65%) and Naphthalene (64%/64%), but within the overall method allowances. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for these compounds.

The WG462777-1/-2 LCS/LCSD recoveries, associated with L1104935-11, are below the 70-130% acceptance criteria for 2-Hexanone (66%/65%) and 1,2-Dibromo-3-chloropropane (LCS at 68%); however, they have been identified as "difficult" analytes and are within the 40-160% acceptance limits. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for these compounds.

The WG463009-1/-2 LCS/LCSD recoveries, associated with L1104935-08 and -10, are below the 70-130% acceptance criteria for Chloromethane (54%/56%), Bromomethane (60%/63%) and Dichlorodifluoromethane (52%/46%); however, they have been identified as "difficult" analytes and are within the 40-160% acceptance limits. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for these compounds.

The WG463009-1 LCS recovery, associated with L1104935-08 and -10, is above the individual 70-130% acceptance criteria for 1,2,3-Trichlorobenzene (137%), but within the overall method allowances. The results of the associated samples are reported; however, all positive detects are considered to have a potentially high bias for this compound.

The WG463175-1 LCS recovery, associated with L1104935-07, is above the 70-130% acceptance criteria for 1,4-Dioxane (131%); however, it has been identified as a "difficult" analyte and is within the 40-160% acceptance limits. The results of the associated sample are reported; however, all positive detects are considered to have a potentially high bias for this compound.

The WG463220-2 LCSD recovery, associated with L1104935-01 through -06 and -09, is below the 70-130% acceptance criteria for 2-Hexanone (69%); however, it has been identified as a "difficult" analyte and is within the 40-160% acceptance limits. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935
Project Number: 115058 **Report Date:** 04/15/11

Case Narrative (continued)

The initial calibration, associated with L1104935-08 and -10, did not meet the method required minimum response factors on the lowest calibration standards for 1,4-Dioxane (0.00222), as well as the average response factor for 1,4-Dioxane. In addition, a quadratic fit was utilized for Bromomethane.
The initial calibration, associated with L1104935-01 through -07, -09 and -11, did not meet the method required minimum response factors on the lowest calibration standards for 2-Butanone (0.06976), 4-Methyl-2-pentanone (0.05668) and 1,4-Dioxane (0.00134), as well as the average response factor for 2-Butanone, 4-Methyl-2-pentanone and 1,4-Dioxane. In addition, a quadratic fit was utilized for Acetone and Tetrahydrofuran.
The continuing calibration standards, associated with L1104935-01 through -11, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as an addendum to this report.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 04/15/11

ORGANICS

VOLATILES

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-01	D	Date Collected:	04/08/11 17:50
Client ID:	MW-32		Date Received:	04/12/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	04/15/11 08:21			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	400	--	200
1,1-Dichloroethane	ND		ug/l	200	--	200
Chloroform	ND		ug/l	200	--	200
Carbon tetrachloride	ND		ug/l	200	--	200
1,2-Dichloropropane	ND		ug/l	200	--	200
Dibromochloromethane	ND		ug/l	200	--	200
1,1,2-Trichloroethane	ND		ug/l	200	--	200
Tetrachloroethene	ND		ug/l	200	--	200
Chlorobenzene	ND		ug/l	200	--	200
Trichlorofluoromethane	ND		ug/l	400	--	200
1,2-Dichloroethane	ND		ug/l	200	--	200
1,1,1-Trichloroethane	ND		ug/l	200	--	200
Bromodichloromethane	ND		ug/l	200	--	200
trans-1,3-Dichloropropene	ND		ug/l	100	--	200
cis-1,3-Dichloropropene	ND		ug/l	100	--	200
1,1-Dichloropropene	ND		ug/l	400	--	200
Bromoform	ND		ug/l	400	--	200
1,1,2,2-Tetrachloroethane	ND		ug/l	200	--	200
Benzene	ND		ug/l	200	--	200
Toluene	ND		ug/l	200	--	200
Ethylbenzene	ND		ug/l	200	--	200
Chloromethane	ND		ug/l	400	--	200
Bromomethane	ND		ug/l	400	--	200
Vinyl chloride	ND		ug/l	200	--	200
Chloroethane	ND		ug/l	400	--	200
1,1-Dichloroethene	ND		ug/l	200	--	200
trans-1,2-Dichloroethene	ND		ug/l	200	--	200
Trichloroethene	21000		ug/l	200	--	200
1,2-Dichlorobenzene	ND		ug/l	200	--	200
1,3-Dichlorobenzene	ND		ug/l	200	--	200
1,4-Dichlorobenzene	ND		ug/l	200	--	200

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID: L1104935-01 D Date Collected: 04/08/11 17:50

Client ID: MW-32 Date Received: 04/12/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	400	--	200
p/m-Xylene	ND		ug/l	400	--	200
o-Xylene	ND		ug/l	200	--	200
cis-1,2-Dichloroethene	480		ug/l	200	--	200
Dibromomethane	ND		ug/l	400	--	200
1,2,3-Trichloropropane	ND		ug/l	400	--	200
Styrene	ND		ug/l	200	--	200
Dichlorodifluoromethane	ND		ug/l	400	--	200
Acetone	ND		ug/l	1000	--	200
Carbon disulfide	ND		ug/l	400	--	200
2-Butanone	ND		ug/l	1000	--	200
4-Methyl-2-pentanone	ND		ug/l	1000	--	200
2-Hexanone	ND		ug/l	1000	--	200
Bromochloromethane	ND		ug/l	400	--	200
Tetrahydrofuran	ND		ug/l	1000	--	200
2,2-Dichloropropane	ND		ug/l	400	--	200
1,2-Dibromoethane	ND		ug/l	400	--	200
1,3-Dichloropropane	ND		ug/l	400	--	200
1,1,1,2-Tetrachloroethane	ND		ug/l	200	--	200
Bromobenzene	ND		ug/l	400	--	200
n-Butylbenzene	ND		ug/l	400	--	200
sec-Butylbenzene	ND		ug/l	400	--	200
tert-Butylbenzene	ND		ug/l	400	--	200
o-Chlorotoluene	ND		ug/l	400	--	200
p-Chlorotoluene	ND		ug/l	400	--	200
1,2-Dibromo-3-chloropropane	ND		ug/l	400	--	200
Hexachlorobutadiene	ND		ug/l	120	--	200
Isopropylbenzene	ND		ug/l	400	--	200
p-Isopropyltoluene	ND		ug/l	400	--	200
Naphthalene	ND		ug/l	400	--	200
n-Propylbenzene	ND		ug/l	400	--	200
1,2,3-Trichlorobenzene	ND		ug/l	400	--	200
1,2,4-Trichlorobenzene	ND		ug/l	400	--	200
1,3,5-Trimethylbenzene	ND		ug/l	400	--	200
1,2,4-Trimethylbenzene	ND		ug/l	400	--	200
Ethyl ether	ND		ug/l	400	--	200
Isopropyl Ether	ND		ug/l	400	--	200
Ethyl-Tert-Butyl-Ether	ND		ug/l	400	--	200
Tertiary-Amyl Methyl Ether	ND		ug/l	400	--	200

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-01	D	Date Collected:	04/08/11 17:50
Client ID:	MW-32		Date Received:	04/12/11
Sample Location:	NBHS		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	50000	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	111		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-02	Date Collected:	04/08/11 18:10
Client ID:	MW-27D	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	04/15/11 09:55		
Analyst:	MM		

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	1.7		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID: L1104935-02 Date Collected: 04/08/11 18:10

Client ID: MW-27D Date Received: 04/12/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.0	--	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
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

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-02	Date Collected:	04/08/11 18:10
Client ID:	MW-27D	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	111		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-03	D	Date Collected:	04/08/11 18:50
Client ID:	DUP		Date Received:	04/12/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	04/15/11 08:52			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	400	--	200
1,1-Dichloroethane	ND		ug/l	200	--	200
Chloroform	ND		ug/l	200	--	200
Carbon tetrachloride	ND		ug/l	200	--	200
1,2-Dichloropropane	ND		ug/l	200	--	200
Dibromochloromethane	ND		ug/l	200	--	200
1,1,2-Trichloroethane	ND		ug/l	200	--	200
Tetrachloroethene	ND		ug/l	200	--	200
Chlorobenzene	ND		ug/l	200	--	200
Trichlorofluoromethane	ND		ug/l	400	--	200
1,2-Dichloroethane	ND		ug/l	200	--	200
1,1,1-Trichloroethane	ND		ug/l	200	--	200
Bromodichloromethane	ND		ug/l	200	--	200
trans-1,3-Dichloropropene	ND		ug/l	100	--	200
cis-1,3-Dichloropropene	ND		ug/l	100	--	200
1,1-Dichloropropene	ND		ug/l	400	--	200
Bromoform	ND		ug/l	400	--	200
1,1,2,2-Tetrachloroethane	ND		ug/l	200	--	200
Benzene	ND		ug/l	200	--	200
Toluene	ND		ug/l	200	--	200
Ethylbenzene	ND		ug/l	200	--	200
Chloromethane	ND		ug/l	400	--	200
Bromomethane	ND		ug/l	400	--	200
Vinyl chloride	ND		ug/l	200	--	200
Chloroethane	ND		ug/l	400	--	200
1,1-Dichloroethene	ND		ug/l	200	--	200
trans-1,2-Dichloroethene	ND		ug/l	200	--	200
Trichloroethene	21000		ug/l	200	--	200
1,2-Dichlorobenzene	ND		ug/l	200	--	200
1,3-Dichlorobenzene	ND		ug/l	200	--	200
1,4-Dichlorobenzene	ND		ug/l	200	--	200

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID: L1104935-03 D Date Collected: 04/08/11 18:50

Client ID: DUP Date Received: 04/12/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	400	--	200
p/m-Xylene	ND		ug/l	400	--	200
o-Xylene	ND		ug/l	200	--	200
cis-1,2-Dichloroethene	470		ug/l	200	--	200
Dibromomethane	ND		ug/l	400	--	200
1,2,3-Trichloropropane	ND		ug/l	400	--	200
Styrene	ND		ug/l	200	--	200
Dichlorodifluoromethane	ND		ug/l	400	--	200
Acetone	ND		ug/l	1000	--	200
Carbon disulfide	ND		ug/l	400	--	200
2-Butanone	ND		ug/l	1000	--	200
4-Methyl-2-pentanone	ND		ug/l	1000	--	200
2-Hexanone	ND		ug/l	1000	--	200
Bromochloromethane	ND		ug/l	400	--	200
Tetrahydrofuran	ND		ug/l	1000	--	200
2,2-Dichloropropane	ND		ug/l	400	--	200
1,2-Dibromoethane	ND		ug/l	400	--	200
1,3-Dichloropropane	ND		ug/l	400	--	200
1,1,1,2-Tetrachloroethane	ND		ug/l	200	--	200
Bromobenzene	ND		ug/l	400	--	200
n-Butylbenzene	ND		ug/l	400	--	200
sec-Butylbenzene	ND		ug/l	400	--	200
tert-Butylbenzene	ND		ug/l	400	--	200
o-Chlorotoluene	ND		ug/l	400	--	200
p-Chlorotoluene	ND		ug/l	400	--	200
1,2-Dibromo-3-chloropropane	ND		ug/l	400	--	200
Hexachlorobutadiene	ND		ug/l	120	--	200
Isopropylbenzene	ND		ug/l	400	--	200
p-Isopropyltoluene	ND		ug/l	400	--	200
Naphthalene	ND		ug/l	400	--	200
n-Propylbenzene	ND		ug/l	400	--	200
1,2,3-Trichlorobenzene	ND		ug/l	400	--	200
1,2,4-Trichlorobenzene	ND		ug/l	400	--	200
1,3,5-Trimethylbenzene	ND		ug/l	400	--	200
1,2,4-Trimethylbenzene	ND		ug/l	400	--	200
Ethyl ether	ND		ug/l	400	--	200
Isopropyl Ether	ND		ug/l	400	--	200
Ethyl-Tert-Butyl-Ether	ND		ug/l	400	--	200
Tertiary-Amyl Methyl Ether	ND		ug/l	400	--	200

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID: L1104935-03 D Date Collected: 04/08/11 18:50

Client ID: DUP Date Received: 04/12/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	50000	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	109		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-04	Date Collected:	04/08/11 19:30
Client ID:	MW-5D	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	04/15/11 10:27		
Analyst:	MM		

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	3.4		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID: L1104935-04 Date Collected: 04/08/11 19:30

Client ID: MW-5D Date Received: 04/12/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.0	--	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
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

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-04	Date Collected:	04/08/11 19:30
Client ID:	MW-5D	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	113		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-05	D	Date Collected:	04/08/11 19:00
Client ID:	MW-27R		Date Received:	04/12/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	04/15/11 09:23			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2000	--	1000
1,1-Dichloroethane	ND		ug/l	1000	--	1000
Chloroform	ND		ug/l	1000	--	1000
Carbon tetrachloride	ND		ug/l	1000	--	1000
1,2-Dichloropropane	ND		ug/l	1000	--	1000
Dibromochloromethane	ND		ug/l	1000	--	1000
1,1,2-Trichloroethane	ND		ug/l	1000	--	1000
Tetrachloroethene	ND		ug/l	1000	--	1000
Chlorobenzene	ND		ug/l	1000	--	1000
Trichlorofluoromethane	ND		ug/l	2000	--	1000
1,2-Dichloroethane	ND		ug/l	1000	--	1000
1,1,1-Trichloroethane	ND		ug/l	1000	--	1000
Bromodichloromethane	ND		ug/l	1000	--	1000
trans-1,3-Dichloropropene	ND		ug/l	500	--	1000
cis-1,3-Dichloropropene	ND		ug/l	500	--	1000
1,1-Dichloropropene	ND		ug/l	2000	--	1000
Bromoform	ND		ug/l	2000	--	1000
1,1,2,2-Tetrachloroethane	ND		ug/l	1000	--	1000
Benzene	ND		ug/l	1000	--	1000
Toluene	ND		ug/l	1000	--	1000
Ethylbenzene	ND		ug/l	1000	--	1000
Chloromethane	ND		ug/l	2000	--	1000
Bromomethane	ND		ug/l	2000	--	1000
Vinyl chloride	ND		ug/l	1000	--	1000
Chloroethane	ND		ug/l	2000	--	1000
1,1-Dichloroethene	ND		ug/l	1000	--	1000
trans-1,2-Dichloroethene	1900		ug/l	1000	--	1000
Trichloroethene	130000		ug/l	1000	--	1000
1,2-Dichlorobenzene	ND		ug/l	1000	--	1000
1,3-Dichlorobenzene	ND		ug/l	1000	--	1000
1,4-Dichlorobenzene	ND		ug/l	1000	--	1000

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID: L1104935-05 D Date Collected: 04/08/11 19:00

Client ID: MW-27R Date Received: 04/12/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2000	--	1000
p/m-Xylene	ND		ug/l	2000	--	1000
o-Xylene	ND		ug/l	1000	--	1000
cis-1,2-Dichloroethene	7400		ug/l	1000	--	1000
Dibromomethane	ND		ug/l	2000	--	1000
1,2,3-Trichloropropane	ND		ug/l	2000	--	1000
Styrene	ND		ug/l	1000	--	1000
Dichlorodifluoromethane	ND		ug/l	2000	--	1000
Acetone	ND		ug/l	5000	--	1000
Carbon disulfide	ND		ug/l	2000	--	1000
2-Butanone	ND		ug/l	5000	--	1000
4-Methyl-2-pentanone	ND		ug/l	5000	--	1000
2-Hexanone	ND		ug/l	5000	--	1000
Bromochloromethane	ND		ug/l	2000	--	1000
Tetrahydrofuran	ND		ug/l	5000	--	1000
2,2-Dichloropropane	ND		ug/l	2000	--	1000
1,2-Dibromoethane	ND		ug/l	2000	--	1000
1,3-Dichloropropane	ND		ug/l	2000	--	1000
1,1,1,2-Tetrachloroethane	ND		ug/l	1000	--	1000
Bromobenzene	ND		ug/l	2000	--	1000
n-Butylbenzene	ND		ug/l	2000	--	1000
sec-Butylbenzene	ND		ug/l	2000	--	1000
tert-Butylbenzene	ND		ug/l	2000	--	1000
o-Chlorotoluene	ND		ug/l	2000	--	1000
p-Chlorotoluene	ND		ug/l	2000	--	1000
1,2-Dibromo-3-chloropropane	ND		ug/l	2000	--	1000
Hexachlorobutadiene	ND		ug/l	600	--	1000
Isopropylbenzene	ND		ug/l	2000	--	1000
p-Isopropyltoluene	ND		ug/l	2000	--	1000
Naphthalene	ND		ug/l	2000	--	1000
n-Propylbenzene	ND		ug/l	2000	--	1000
1,2,3-Trichlorobenzene	ND		ug/l	2000	--	1000
1,2,4-Trichlorobenzene	ND		ug/l	2000	--	1000
1,3,5-Trimethylbenzene	ND		ug/l	2000	--	1000
1,2,4-Trimethylbenzene	ND		ug/l	2000	--	1000
Ethyl ether	ND		ug/l	2000	--	1000
Isopropyl Ether	ND		ug/l	2000	--	1000
Ethyl-Tert-Butyl-Ether	ND		ug/l	2000	--	1000
Tertiary-Amyl Methyl Ether	ND		ug/l	2000	--	1000

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-05	D	Date Collected:	04/08/11 19:00
Client ID:	MW-27R		Date Received:	04/12/11
Sample Location:	NBHS		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250000	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	111		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-06	Date Collected:	04/11/11 18:00
Client ID:	MW-5	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	04/15/11 10:58		
Analyst:	MM		

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	2.1		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID: L1104935-06 Date Collected: 04/11/11 18:00

Client ID: MW-5 Date Received: 04/12/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	4.0		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	5.0	--	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
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

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-06	Date Collected:	04/11/11 18:00
Client ID:	MW-5	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	116		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-07	Date Collected:	04/11/11 16:30
Client ID:	SAND TRAP 4-11-11	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	04/14/11 15:58		
Analyst:	MM		

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	14		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID: L1104935-07 Date Collected: 04/11/11 16:30

Client ID: SAND TRAP 4-11-11 Date Received: 04/12/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.0	--	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
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

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-07	Date Collected:	04/11/11 16:30
Client ID:	SAND TRAP 4-11-11	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	110		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-08	Date Collected:	04/11/11 18:30
Client ID:	MW-31	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	04/14/11 13:52		
Analyst:	PD		

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
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID: L1104935-08 Date Collected: 04/11/11 18:30

Client ID: MW-31 Date Received: 04/12/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.0	--	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
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

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-08	Date Collected:	04/11/11 18:30
Client ID:	MW-31	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	105		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-09	Date Collected:	04/11/11 19:10
Client ID:	MW-28	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	04/15/11 11:30		
Analyst:	MM		

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	23		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	36		ug/l	1.0	--	1
Trichloroethene	220	E	ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	3.8		ug/l	1.0	--	1

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID: L1104935-09 Date Collected: 04/11/11 19:10

Client ID: MW-28 Date Received: 04/12/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	170		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	5.0	--	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
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

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-09	Date Collected:	04/11/11 19:10
Client ID:	MW-28	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	112		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-09	D	Date Collected:	04/11/11 19:10
Client ID:	MW-28		Date Received:	04/12/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	04/15/11 12:33			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Trichloroethene	200		ug/l	10	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	112		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-10	Date Collected:	04/12/11 15:10
Client ID:	MW-33	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	04/14/11 14:27		
Analyst:	PD		

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
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID: L1104935-10 Date Collected: 04/12/11 15:10

Client ID: MW-33 Date Received: 04/12/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.0	--	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
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

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-10	Date Collected:	04/12/11 15:10
Client ID:	MW-33	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	103		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-11	Date Collected:	04/08/11 00:00
Client ID:	TRIP BLANK	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	04/13/11 15:57		
Analyst:	MM		

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
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID: L1104935-11 Date Collected: 04/08/11 00:00

Client ID: TRIP BLANK Date Received: 04/12/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.0	--	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
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

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

SAMPLE RESULTS

Lab ID:	L1104935-11	Date Collected:	04/08/11 00:00
Client ID:	TRIP BLANK	Date Received:	04/12/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	111		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/13/11 09:38
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 11 Batch: WG462777-3					
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: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/13/11 09:38
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 11 Batch: WG462777-3					
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	5.0	--
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: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/13/11 09:38
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 11 Batch: WG462777-3					
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	--

Tentatively Identified Compounds		
No Tentatively Identified Compounds	ND	ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	106		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/14/11 09:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 08,10 Batch: WG463009-3					
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: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/14/11 09:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 08,10 Batch: WG463009-3					
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	5.0	--
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: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/14/11 09:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 08,10 Batch: WG463009-3					
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	108		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	104		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/14/11 05:58
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 07 Batch: WG463175-3					
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: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/14/11 05:58
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 07 Batch: WG463175-3					
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	5.0	--
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: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/14/11 05:58
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 07 Batch: WG463175-3					
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	--
tert-Butyl Alcohol	ND		ug/l	30	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	107		70-130

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/15/11 07:18
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-06,09 Batch: WG463220-3					
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: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/15/11 07:18
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-06,09 Batch: WG463220-3					
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	5.0	--
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: NEW BEDFORD NBHS **Lab Number:** L1104935

Project Number: 115058 **Report Date:** 04/15/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/15/11 07:18
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-06,09 Batch: WG463220-3					
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	104		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 11 Batch: WG462777-1 WG462777-2								
Methylene chloride	95		99		70-130	4		20
1,1-Dichloroethane	92		93		70-130	1		20
Chloroform	98		100		70-130	2		20
Carbon tetrachloride	87		94		70-130	8		20
1,2-Dichloropropane	86		87		70-130	1		20
Dibromochloromethane	82		86		70-130	5		20
1,1,2-Trichloroethane	87		88		70-130	1		20
Tetrachloroethene	91		93		70-130	2		20
Chlorobenzene	82		83		70-130	1		20
Trichlorofluoromethane	119		124		70-130	4		20
1,2-Dichloroethane	100		104		70-130	4		20
1,1,1-Trichloroethane	89		94		70-130	5		20
Bromodichloromethane	91		94		70-130	3		20
trans-1,3-Dichloropropene	**64**	Q	**65**	Q	70-130	2		20
cis-1,3-Dichloropropene	72		75		70-130	4		20
1,1-Dichloropropene	93		97		70-130	4		20
Bromoform	80		84		70-130	5		20
1,1,2,2-Tetrachloroethane	82		85		70-130	4		20
Benzene	95		94		70-130	1		20
Toluene	85		86		70-130	1		20
Ethylbenzene	82		83		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 11 Batch: WG462777-1 WG462777-2								
Chloromethane	87		84		70-130	4		20
Bromomethane	74		75		70-130	1		20
Vinyl chloride	100		102		70-130	2		20
Chloroethane	100		101		70-130	1		20
1,1-Dichloroethene	99		100		70-130	1		20
trans-1,2-Dichloroethene	96		97		70-130	1		20
Trichloroethene	97		98		70-130	1		20
1,2-Dichlorobenzene	86		87		70-130	1		20
1,3-Dichlorobenzene	83		86		70-130	4		20
1,4-Dichlorobenzene	84		86		70-130	2		20
Methyl tert butyl ether	87		87		70-130	0		20
p/m-Xylene	82		83		70-130	1		20
o-Xylene	80		81		70-130	1		20
cis-1,2-Dichloroethene	99		101		70-130	2		20
Dibromomethane	102		100		70-130	2		20
1,2,3-Trichloropropane	83		84		70-130	1		20
Styrene	83		83		70-130	0		20
Dichlorodifluoromethane	82		82		70-130	0		20
Acetone	87		92		70-130	6		20
Carbon disulfide	87		88		70-130	1		20
2-Butanone	85		77		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 11 Batch: WG462777-1 WG462777-2								
4-Methyl-2-pentanone	74		73		70-130	1		20
2-Hexanone	**66**	Q	**65**	Q	70-130	2		20
Bromochloromethane	107		106		70-130	1		20
Tetrahydrofuran	80		84		70-130	5		20
2,2-Dichloropropane	79		83		70-130	5		20
1,2-Dibromoethane	87		88		70-130	1		20
1,3-Dichloropropane	89		88		70-130	1		20
1,1,1,2-Tetrachloroethane	72		78		70-130	8		20
Bromobenzene	90		93		70-130	3		20
n-Butylbenzene	72		73		70-130	1		20
sec-Butylbenzene	72		73		70-130	1		20
tert-Butylbenzene	74		74		70-130	0		20
o-Chlorotoluene	80		82		70-130	2		20
p-Chlorotoluene	82		83		70-130	1		20
1,2-Dibromo-3-chloropropane	**68**	Q	71		70-130	4		20
Hexachlorobutadiene	82		84		70-130	2		20
Isopropylbenzene	76		77		70-130	1		20
p-Isopropyltoluene	76		78		70-130	3		20
Naphthalene	**64**	Q	**64**	Q	70-130	0		20
n-Propylbenzene	76		78		70-130	3		20
1,2,3-Trichlorobenzene	73		74		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 11 Batch: WG462777-1 WG462777-2								
1,2,4-Trichlorobenzene	74		77		70-130	4		20
1,3,5-Trimethylbenzene	75		77		70-130	3		20
1,2,4-Trimethylbenzene	79		80		70-130	1		20
Ethyl ether	101		101		70-130	0		20
Isopropyl Ether	86		87		70-130	1		20
Ethyl-Tert-Butyl-Ether	81		79		70-130	3		20
Tertiary-Amyl Methyl Ether	79		78		70-130	1		20
1,4-Dioxane	104		99		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		102		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	106		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 08,10 Batch: WG463009-1 WG463009-2								
Methylene chloride	101		90		70-130	12		20
1,1-Dichloroethane	100		88		70-130	13		20
Chloroform	105		94		70-130	11		20
Carbon tetrachloride	103		95		70-130	8		20
1,2-Dichloropropane	103		92		70-130	11		20
Dibromochloromethane	104		95		70-130	9		20
1,1,2-Trichloroethane	98		92		70-130	6		20
Tetrachloroethene	112		100		70-130	11		20
Chlorobenzene	103		92		70-130	11		20
Trichlorofluoromethane	125		110		70-130	13		20
1,2-Dichloroethane	108		98		70-130	10		20
1,1,1-Trichloroethane	93		85		70-130	9		20
Bromodichloromethane	103		91		70-130	12		20
trans-1,3-Dichloropropene	84		76		70-130	10		20
cis-1,3-Dichloropropene	89		79		70-130	12		20
1,1-Dichloropropene	98		85		70-130	14		20
Bromoform	103		97		70-130	6		20
1,1,2,2-Tetrachloroethane	87		82		70-130	6		20
Benzene	102		91		70-130	11		20
Toluene	97		88		70-130	10		20
Ethylbenzene	106		96		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 08,10 Batch: WG463009-1 WG463009-2								
Chloromethane	**54**	Q	**56**	Q	70-130	4		20
Bromomethane	**60**	Q	**63**	Q	70-130	5		20
Vinyl chloride	116		106		70-130	9		20
Chloroethane	110		100		70-130	10		20
1,1-Dichloroethene	91		83		70-130	9		20
trans-1,2-Dichloroethene	96		85		70-130	12		20
Trichloroethene	103		91		70-130	12		20
1,2-Dichlorobenzene	104		95		70-130	9		20
1,3-Dichlorobenzene	104		94		70-130	10		20
1,4-Dichlorobenzene	107		97		70-130	10		20
Methyl tert butyl ether	84		82		70-130	2		20
p/m-Xylene	110		100		70-130	10		20
o-Xylene	110		103		70-130	7		20
cis-1,2-Dichloroethene	106		94		70-130	12		20
Dibromomethane	108		99		70-130	9		20
1,2,3-Trichloropropane	85		79		70-130	7		20
Styrene	114		105		70-130	8		20
Dichlorodifluoromethane	**52**	Q	**46**	Q	70-130	12		20
Acetone	97		96		70-130	1		20
Carbon disulfide	83		76		70-130	9		20
2-Butanone	94		92		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 08,10 Batch: WG463009-1 WG463009-2								
4-Methyl-2-pentanone	87		86		70-130	1		20
2-Hexanone	88		89		70-130	1		20
Bromochloromethane	116		102		70-130	13		20
Tetrahydrofuran	101		101		70-130	0		20
2,2-Dichloropropane	99		93		70-130	6		20
1,2-Dibromoethane	93		86		70-130	8		20
1,3-Dichloropropane	98		90		70-130	9		20
1,1,1,2-Tetrachloroethane	108		96		70-130	12		20
Bromobenzene	103		92		70-130	11		20
n-Butylbenzene	105		92		70-130	13		20
sec-Butylbenzene	97		85		70-130	13		20
tert-Butylbenzene	98		87		70-130	12		20
o-Chlorotoluene	96		84		70-130	13		20
p-Chlorotoluene	95		86		70-130	10		20
1,2-Dibromo-3-chloropropane	119		114		70-130	4		20
Hexachlorobutadiene	119		100		70-130	17		20
Isopropylbenzene	107		97		70-130	10		20
p-Isopropyltoluene	107		94		70-130	13		20
Naphthalene	116		110		70-130	5		20
n-Propylbenzene	96		85		70-130	12		20
1,2,3-Trichlorobenzene	**137**	Q	126		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 08,10 Batch: WG463009-1 WG463009-2								
1,2,4-Trichlorobenzene	130		116		70-130	11		20
1,3,5-Trimethylbenzene	103		90		70-130	13		20
1,2,4-Trimethylbenzene	106		94		70-130	12		20
Ethyl ether	92		90		70-130	2		20
Isopropyl Ether	89		87		70-130	2		20
Ethyl-Tert-Butyl-Ether	93		87		70-130	7		20
Tertiary-Amyl Methyl Ether	91		89		70-130	2		20
1,4-Dioxane	105		108		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		107		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	85		84		70-130
Dibromofluoromethane	107		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 07 Batch: WG463175-1 WG463175-2								
Methylene chloride	109		105		70-130	4		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	106		106		70-130	0		20
Carbon tetrachloride	88		98		70-130	11		20
1,2-Dichloropropane	94		93		70-130	1		20
Dibromochloromethane	92		98		70-130	6		20
1,1,2-Trichloroethane	97		94		70-130	3		20
Tetrachloroethene	105		101		70-130	4		20
Chlorobenzene	92		90		70-130	2		20
Trichlorofluoromethane	130		130		70-130	0		20
1,2-Dichloroethane	112		109		70-130	3		20
1,1,1-Trichloroethane	96		100		70-130	4		20
Bromodichloromethane	99		101		70-130	2		20
trans-1,3-Dichloropropene	75		75		70-130	0		20
cis-1,3-Dichloropropene	80		81		70-130	1		20
1,1-Dichloropropene	102		100		70-130	2		20
Bromoform	88		89		70-130	1		20
1,1,2,2-Tetrachloroethane	92		91		70-130	1		20
Benzene	103		100		70-130	3		20
Toluene	95		92		70-130	3		20
Ethylbenzene	93		90		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 07 Batch: WG463175-1 WG463175-2								
Chloromethane	96		92		70-130	4		20
Bromomethane	115		105		70-130	9		20
Vinyl chloride	108		106		70-130	2		20
Chloroethane	109		106		70-130	3		20
1,1-Dichloroethene	104		106		70-130	2		20
trans-1,2-Dichloroethene	105		103		70-130	2		20
Trichloroethene	106		104		70-130	2		20
1,2-Dichlorobenzene	95		92		70-130	3		20
1,3-Dichlorobenzene	93		89		70-130	4		20
1,4-Dichlorobenzene	94		89		70-130	5		20
Methyl tert butyl ether	92		92		70-130	0		20
p/m-Xylene	94		91		70-130	3		20
o-Xylene	90		89		70-130	1		20
cis-1,2-Dichloroethene	108		107		70-130	1		20
Dibromomethane	110		108		70-130	2		20
1,2,3-Trichloropropane	92		93		70-130	1		20
Styrene	97		93		70-130	4		20
Dichlorodifluoromethane	87		86		70-130	1		20
Acetone	96		89		70-130	8		20
Carbon disulfide	87		88		70-130	1		20
2-Butanone	90		85		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 07 Batch: WG463175-1 WG463175-2								
4-Methyl-2-pentanone	77		82		70-130	6		20
2-Hexanone	71		70		70-130	1		20
Bromochloromethane	113		114		70-130	1		20
Tetrahydrofuran	91		89		70-130	2		20
2,2-Dichloropropane	88		92		70-130	4		20
1,2-Dibromoethane	99		96		70-130	3		20
1,3-Dichloropropane	98		96		70-130	2		20
1,1,1,2-Tetrachloroethane	84		88		70-130	5		20
Bromobenzene	100		96		70-130	4		20
n-Butylbenzene	81		79		70-130	3		20
sec-Butylbenzene	82		79		70-130	4		20
tert-Butylbenzene	83		81		70-130	2		20
o-Chlorotoluene	88		86		70-130	2		20
p-Chlorotoluene	91		88		70-130	3		20
1,2-Dibromo-3-chloropropane	74		79		70-130	7		20
Hexachlorobutadiene	87		89		70-130	2		20
Isopropylbenzene	89		86		70-130	3		20
p-Isopropyltoluene	86		83		70-130	4		20
Naphthalene	71		72		70-130	1		20
n-Propylbenzene	86		84		70-130	2		20
1,2,3-Trichlorobenzene	79		80		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 07 Batch: WG463175-1 WG463175-2								
1,2,4-Trichlorobenzene	81		82		70-130	1		20
1,3,5-Trimethylbenzene	83		82		70-130	1		20
1,2,4-Trimethylbenzene	86		84		70-130	2		20
Ethyl ether	105		104		70-130	1		20
Isopropyl Ether	90		90		70-130	0		20
Ethyl-Tert-Butyl-Ether	86		85		70-130	1		20
Tertiary-Amyl Methyl Ether	86		86		70-130	0		20
1,4-Dioxane	**131**	Q	116		70-130	12		20
tert-Butyl Alcohol	88		87		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		105		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	103		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-06,09 Batch: WG463220-1 WG463220-2								
Methylene chloride	103		102		70-130	1		20
1,1-Dichloroethane	98		98		70-130	0		20
Chloroform	102		105		70-130	3		20
Carbon tetrachloride	90		99		70-130	10		20
1,2-Dichloropropane	92		92		70-130	0		20
Dibromochloromethane	93		96		70-130	3		20
1,1,2-Trichloroethane	96		91		70-130	5		20
Tetrachloroethene	99		100		70-130	1		20
Chlorobenzene	88		88		70-130	0		20
Trichlorofluoromethane	123		128		70-130	4		20
1,2-Dichloroethane	107		109		70-130	2		20
1,1,1-Trichloroethane	95		100		70-130	5		20
Bromodichloromethane	97		101		70-130	4		20
trans-1,3-Dichloropropene	73		74		70-130	1		20
cis-1,3-Dichloropropene	80		82		70-130	2		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	88		96		70-130	9		20
1,1,2,2-Tetrachloroethane	91		92		70-130	1		20
Benzene	99		100		70-130	1		20
Toluene	91		91		70-130	0		20
Ethylbenzene	89		89		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058
Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-06,09 Batch: WG463220-1 WG463220-2								
Chloromethane	89		86		70-130	3		20
Bromomethane	106		100		70-130	6		20
Vinyl chloride	102		100		70-130	2		20
Chloroethane	103		102		70-130	1		20
1,1-Dichloroethene	103		105		70-130	2		20
trans-1,2-Dichloroethene	102		102		70-130	0		20
Trichloroethene	105		104		70-130	1		20
1,2-Dichlorobenzene	91		92		70-130	1		20
1,3-Dichlorobenzene	90		90		70-130	0		20
1,4-Dichlorobenzene	90		92		70-130	2		20
Methyl tert butyl ether	94		92		70-130	2		20
p/m-Xylene	90		90		70-130	0		20
o-Xylene	87		88		70-130	1		20
cis-1,2-Dichloroethene	107		108		70-130	1		20
Dibromomethane	106		111		70-130	5		20
1,2,3-Trichloropropane	91		92		70-130	1		20
Styrene	91		92		70-130	1		20
Dichlorodifluoromethane	75		73		70-130	3		20
Acetone	87		80		70-130	8		20
Carbon disulfide	81		83		70-130	2		20
2-Butanone	87		83		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-06,09 Batch: WG463220-1 WG463220-2								
4-Methyl-2-pentanone	80		78		70-130	3		20
2-Hexanone	71		**69**	Q	70-130	3		20
Bromochloromethane	112		114		70-130	2		20
Tetrahydrofuran	90		90		70-130	0		20
2,2-Dichloropropane	88		93		70-130	6		20
1,2-Dibromoethane	95		96		70-130	1		20
1,3-Dichloropropane	95		92		70-130	3		20
1,1,1,2-Tetrachloroethane	83		86		70-130	4		20
Bromobenzene	96		97		70-130	1		20
n-Butylbenzene	80		80		70-130	0		20
sec-Butylbenzene	81		81		70-130	0		20
tert-Butylbenzene	82		82		70-130	0		20
o-Chlorotoluene	85		87		70-130	2		20
p-Chlorotoluene	87		89		70-130	2		20
1,2-Dibromo-3-chloropropane	75		77		70-130	3		20
Hexachlorobutadiene	101		95		70-130	6		20
Isopropylbenzene	86		86		70-130	0		20
p-Isopropyltoluene	85		85		70-130	0		20
Naphthalene	72		72		70-130	0		20
n-Propylbenzene	83		84		70-130	1		20
1,2,3-Trichlorobenzene	81		82		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD NBHS
Project Number: 115058

Lab Number: L1104935
Report Date: 04/15/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-06,09 Batch: WG463220-1 WG463220-2								
1,2,4-Trichlorobenzene	82		82		70-130	0		20
1,3,5-Trimethylbenzene	81		82		70-130	1		20
1,2,4-Trimethylbenzene	84		84		70-130	0		20
Ethyl ether	105		104		70-130	1		20
Isopropyl Ether	92		92		70-130	0		20
Ethyl-Tert-Butyl-Ether	86		85		70-130	1		20
Tertiary-Amyl Methyl Ether	85		87		70-130	2		20
1,4-Dioxane	120		114		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
Toluene-d8	95		94		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	105		105		70-130

Project Name: NEW BEDFORD NBHS
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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(*)
L1104935-01A	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-01B	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-02A	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-02B	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-03A	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-03B	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-04A	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-04B	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-05A	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-05B	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-06A	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-06B	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-07A	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-07B	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-08A	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-08B	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-09A	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-09B	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-10A	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-10B	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)
L1104935-11A	Vial HCl preserved	A	N/A	4.9	Y	Absent	MCP-8260-10(14)

*Values in parentheses indicate holding time in days

Project Name:	NEW BEDFORD NBHS	**Lab Number:**	L1104935
Project Number:	115058	**Report Date:**	04/15/11

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.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
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

Project Name:	NEW BEDFORD NBHS	**Lab Number:**	L1104935
Project Number:	115058	**Report Date:**	04/15/11

Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

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

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

Project Name: NEW BEDFORD NBHS **Lab Number:** L1104935
Project Number: 115058 **Report Date:** 04/15/11

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 February 23, 2011 - Westboro Facility

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

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

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

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

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 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); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, 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. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

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

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 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 NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 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, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 4/13/11 (KB) ~~4/12/11~~ ~~4/13/11~~

ALPHA Job #: L1104935

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Serial_No:04151114:38

Client Information

Client: TRC ENVIRONMENTAL
Address: 650 SUFFOLK ST
LOWELL MA 01854
Phone: 978-970-5600
Fax:
Email: DSULLIVAN@TRCSOLUTIONS.COM
ALEONARD
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: NEW BEDFORD NBHS.
Project Location: NBHS.
Project #: 115058
Project Manager: DAVID SULLIVAN
ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved!) 3-DAY
Date Due: ~~4/15~~ ~~4/14/11~~ Time: 4/15/11 (KB)

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MA DEP. Criteria MCP

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: VOCs 8260

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	Sample Specific Comments	TOTAL # BOTTLES
4935-01	MW-32	4/8/11	17:50	GW	JF ZR	✓		
-02	MW-27D	4/8/11	18:10	GW	JF ZR	✓		
-03	DUP	4/8/11	18:50	GW	JF/ZR	✓		
-04	MW-5D	4/8/11	19:30	GW	JF ZR	✓		
-05	MW-27R	4/8/11	19:00	GW	JF ZR	✓		
-06	MW-5	4/11/11	18:00	GW	JF ZR	✓		
-07	SAND TRAP 4-11-11	4/11/11	16:30	GW	JF ZR	✓		
-08	MW-31	4/11/11	18:30	GW	JF ZR	✓		
-09	MW-28	4/11/11	19:10	GW	JF ZR	✓		
-10	MW-33	4/12/11	15:10	GW	JF ZR	✓		
-11	TRIP BLANK			DW		✓		
					Container Type	V		
					Preservative	B		

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/12/11	[signature]	4/12/11 17:07
[signature]	4/13/11 0745	[signature]	4/13/11 835
[signature]	4/13/11 0945	[signature]	4/13/11 0945

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104935

Instrument ID: Quimby.i Calibration Date: 15-APR-2011 Time: 05:43

Lab File ID: 0415A01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.34924	.26304	.1	25	20	F
chloromethane	.35628	.31758	.1	11	20	
vinyl chloride	.30181	.30824	.1	-2	20	
bromomethane	.22898	.2434	.1	-6	20	
chloroethane	.20794	.21378	.1	-3	20	
trichlorofluoromethane	.42568	.52561	.1	-23	20	F
ethyl ether	.12007	.12599	.05	-5	20	
acrolien	.02445	.02291	.05	6	20	F
freon-113	.29194	.29942	.1	-3	20	
acetone	100	86.977	.1	13	20	
1,1,-dichloroethene	.30271	.31221	.1	-3	20	
tert-butyl alcohol	.00951	.00849	.05	11	20	F
iodomethane	.50617	.33231	.05	34	20	F
methylene chloride	.30372	.31349	.1	-3	20	
carbon disulfide	.91586	.73869	.1	19	20	
acrylonitrile	.0487	.04697	.05	4	20	F
methyl tert butyl ether	.51963	.49025	.1	6	20	
Halothane	.25477	.24725	.05	3	20	
trans-1,2-dichloroethene	.34461	.35147	.1	-2	20	
Diisopropyl Ether	.81846	.75349	.05	8	20	
vinyl acetate	.38582	.35975	.05	7	20	
1,1-dichloroethane	.58497	.57078	.2	2	20	
Ethyl-Tert-Butyl-Ether	.7021	.60631	.05	14	20	
2-butanone	.05505	.04798	.1	13	20	F
2,2-dichloropropane	.38987	.34345	.05	12	20	
ethyl acetate	.11173	.10238	.05	8	20	
cis-1,2-dichloroethene	.36598	.39132	.1	-7	20	
chloroform	.55517	.56607	.2	-2	20	
bromochloromethane	.13826	.15453	.05	-12	20	
tetrahydrofuran	100	90.440	.05	10	20	
1,1,1-trichloroethane	.50175	.47721	.1	5	20	
1,1-dichloropropene	.47777	.48008	.05	0	20	
carbontetrachloride	.40299	.36412	.1	10	20	
Tertiary-Amyl Methyl Ether	.59124	.5037	.05	15	20	
1,2-dichloroethane	.29658	.31872	.1	-7	20	
benzene	1.4222	1.4094	.5	1	20	
trichloroethene	.35492	.37201	.2	-5	20	
1,2-dichloropropane	.31236	.28839	.1	8	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104935

Instrument ID: Quimby.i Calibration Date: 15-APR-2011 Time: 05:43

Lab File ID: 0415A01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
bromodichloromethane	.34843	.33666	.2	3	20	
1,4-dioxane	.00121	.00145	.05	-20	20	F
dibromomethane	.12614	.1344	.05	-7	20	
2-chloroethylvinyl ether	.10568	.07227	.05	32	20	F
4-methyl-2-pentanone	.05144	.04129	.1	20	20	F
cis-1,3-dichloropropene	.449	.36095	.2	20	20	
toluene	1.1887	1.0790	.4	9	20	
trans-1,3-dichloropropene	.40626	.29512	.1	27	20	F
1,1,2-trichloroethane	.18806	.1813	.1	4	20	
2-hexanone	.10447	.07391	.1	29	20	F
1,3-dichloropropane	.41055	.39073	.05	5	20	
tetrachloroethene	.54918	.54319	.2	1	20	
chlorodibromomethane	.26275	.24356	.1	7	20	
1,2-dibromoethane	.21528	.20391	.1	5	20	
chlorobenzene	1.3469	1.1884	.5	12	20	
1,1,1,2-tetrachloroethane	.39146	.32582	.05	17	20	
ethyl benzene	2.4104	2.1495	.1	11	20	
p/m xylene	.97612	.87701	.1	10	20	
o xylene	.96041	.83603	.3	13	20	
styrene	1.5385	1.4020	.31	9	20	
isopropylbenzene	2.4862	2.1400	.1	14	20	
trans-1,4-dichloro-2-butene	.03888	.03195	.05	18	20	F
bromoform	.23103	.20243	.1	12	20	
1,1,2,2,-tetrachloroethane	.38882	.35243	.3	9	20	
1,2,3-trichloropropane	.302	.27399	.05	9	20	
n-propylbenzene	4.2789	3.5676	.05	17	20	
bromobenzene	.85391	.81772	.05	4	20	
4-ethyltoluene	2.1733	1.8363	.05	16	20	
1,3,5-trimethybenzene	3.1161	2.5129	.05	19	20	
2-chlorotoluene	2.8216	2.4064	.05	15	20	
4-chorotoluene	2.6385	2.2940	.05	13	20	
tert-butylbenzene	2.7401	2.2412	.05	18	20	
1,2,4-trimethylbenzene	3.1459	2.6323	.05	16	20	
sec-butylbenzene	3.7202	3.0110	.05	19	20	
p-isopropyltoluene	3.1690	2.6812	.05	15	20	
1,3-dichlorobenzene	1.7564	1.5786	.6	10	20	
1,4-dichlorobenzene	1.7757	1.5972	.5	10	20	
n-butylbenzene	3.0962	2.4932	.05	19	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104935

Instrument ID: Quimby.i Calibration Date: 15-APR-2011 Time: 05:43

Lab File ID: 0415A01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
1,2,4,5-tetramathylbenezene	1.0900	.93051	.05	15	20	
1,2-dichlorobenzene	1.4995	1.3645	.4	9	20	
p-diethylbenzene	1.5484	1.2962	.05	16	20	
1,2-dibromo-3-chloropropane	.05659	.04241	.05	25	20	F
1,3,5-trichlorobenzene	1.0666	.8884	.01	17	30	
1,2,4-trichlorobenzene	.83258	.68551	.2	18	20	
hexachlorobutadiene	.4051	.40765	.05	-1	20	
naphthalene	1.3212	.95131	.05	28	20	F
1,2,3-trichlorobenzene	.61394	.49953	.05	19	20	
dibromofluoromethane	.23183	.24289	.05	-5	20	
1,2-dichloroethane-d4	.19112	.20289	.05	-6	20	
toluene-d8	1.2966	1.2316	.05	5	20	
4-bromofluorobenzene	.84277	.79627	.05	6	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104935

Instrument ID: Elaine.i Calibration Date: 14-APR-2011 Time: 08:03

Lab File ID: 0414A01 Init. Calib. Date(s): 02-MAR-2 02-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 11:13 14:41

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.28289	.14629	.05	48	20	F
chloromethane	.24925	.13346	.05	46	20	F
vinyl chloride	.13187	.15271	.05	-16	20	
bromomethane	100	60.237	.05	40	20	F
chloroethane	.12647	.13954	.05	-10	20	
trichlorofluoromethane	.31877	.39807	.05	-25	20	F
ethyl ether	.14644	.13548	.05	7	20	
acetone	100	97.064	.05	3	20	
1,1,-dichloroethene	.22801	.20833	.05	9	20	
methylene chloride	.26678	.26881	.05	-1	20	
carbon disulfide	.73893	.61242	.05	17	20	
methyl tert butyl ether	.67115	.56241	.05	16	20	
trans-1,2-dichloroethene	.25462	.24363	.05	4	20	
Diisopropyl Ether	1.0026	.88843	.05	11	20	
1,1-dichloroethane	.47793	.47948	.05	0	20	
Ethyl-Tert-Butyl-Ether	.76715	.71204	.05	7	20	
2-butanone	.11017	.10386	.05	6	20	
2,2-dichloropropane	100	98.956	.05	1	20	
cis-1,2-dichloroethene	.27823	.29395	.05	-6	20	
chloroform	.45304	.477	.05	-5	20	
bromochloromethane	.10531	.12213	.05	-16	20	
tetrahydrofuran	.06674	.06771	.05	-1	20	
1,1,1-trichloroethane	100	92.975	.05	7	20	
1,1-dichloropropene	.36773	.36052	.05	2	20	
carbontetrachloride	100	103	.05	-3	20	
Tertiary-Amyl Methyl Ether	.61944	.56257	.05	9	20	
1,2-dichloroethane	.34478	.37413	.05	-9	20	
benzene	1.0844	1.1075	.05	-2	20	
trichloroethene	.26234	.271	.05	-3	20	
1,2-dichloropropane	.26484	.27199	.05	-3	20	
bromodichloromethane	100	103	.05	-3	20	
1,4-Dioxane	.00221	.00233	.05	-5	20	F
dibromomethane	.13285	.14416	.05	-9	20	
4-methyl-2-pentanone	.08117	.07045	.05	13	20	
cis-1,3-dichloropropene	100	88.791	.05	11	20	
toluene	1.0085	.97885	.05	3	20	
trans-1,3-dichloropropene	100	84.120	.05	16	20	
2-hexanone	.21591	.18958	.05	12	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104935

Instrument ID: Elaine.i Calibration Date: 14-APR-2011 Time: 08:03

Lab File ID: 0414A01 Init. Calib. Date(s): 02-MAR-2 02-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 11:13 14:41

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
1,1,2-trichloroethane	.24604	.24238	.05	1	20	
1,3-dichloropropane	.54589	.53686	.05	2	20	
tetrachloroethene	.36438	.40985	.05	-12	20	
chlorodibromomethane	100	104	.05	-4	20	
1,2-dibromoethane	100	92.776	.05	7	20	
chlorobenzene	1.0113	1.0392	.05	-3	20	
1,1,1,2-tetrachloroethane	100	108	.05	-8	20	
ethyl benzene	1.8005	1.9153	.05	-6	20	
p/m xylene	.66602	.73518	.05	-10	20	
o xylene	.6479	.71449	.05	-10	20	
styrene	1.0832	1.2353	.05	-14	20	
isopropylbenzene	1.6819	1.8078	.05	-7	20	
bromoform	100	103	.05	-3	20	
1,1,2,2,-tetrachloroethane	.62605	.54605	.05	13	20	
1,2,3-trichloropropane	.5428	.46193	.05	15	20	
n-propylbenzene	3.8835	3.7378	.05	4	20	
bromobenzene	.79713	.82008	.05	-3	20	
1,3,5-trimethybenzene	2.6154	2.6840	.05	-3	20	
2-chlorotoluene	2.7058	2.6101	.05	4	20	
4-chorotoluene	2.5561	2.4214	.05	5	20	
tert-butylbenzene	2.2436	2.1883	.05	2	20	
1,2,4-trimethylbenzene	2.5074	2.6688	.05	-6	20	
sec-butylbenzene	3.3259	3.2395	.05	3	20	
p-isopropyltoluene	2.5250	2.7073	.05	-7	20	
1,3-dichlorobenzene	1.4280	1.4830	.05	-4	20	
1,4-dichlorobenzene	1.4445	1.5443	.05	-7	20	
n-butylbenzene	2.7218	2.8539	.05	-5	20	
1,2-dichlorobenzene	1.3394	1.4005	.05	-5	20	
1,2-dibromo-3-chloropropane	100	119	.05	-19	20	
1,2,4-trichlorobenzene	.67012	.87006	.05	-30	20	F
hexachlorobutadiene	.40664	.48286	.05	-19	20	
naphthalene	1.0865	1.2667	.05	-17	20	
1,2,3-trichlorobenzene	.54585	.75017	.05	-37	20	F
dibromofluoromethane	.21421	.22955	.05	-7	20	
1,2-dichloroethane-d4	.25692	.26761	.05	-4	20	
toluene-d8	1.3727	1.3706	.05	0	20	
4-bromofluorobenzene	1.0305	.87575	.05	15	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104935

Instrument ID: Quimby.i Calibration Date: 14-APR-2011 Time: 04:23

Lab File ID: 0414A01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.34924	.30534	.1	13	20	
chloromethane	.35628	.34139	.1	4	20	
vinyl chloride	.30181	.32492	.1	-8	20	
bromomethane	.22898	.26258	.1	-15	20	
chloroethane	.20794	.22736	.1	-9	20	
trichlorofluoromethane	.42568	.55274	.1	-30	20	F
ethyl ether	.12007	.12632	.05	-5	20	
acrolien	.02445	.02217	.05	9	20	F
freon-113	.29194	.26922	.1	8	20	
acetone	100	96.095	.1	4	20	
1,1,-dichloroethene	.30271	.3137	.1	-4	20	
tert-butyl alcohol	.00951	.00834	.05	12	20	F
iodomethane	.50617	.3268	.05	35	20	F
methylene chloride	.30372	.33008	.1	-9	20	
carbon disulfide	.91586	.79654	.1	13	20	
acrylonitrile	.0487	.0465	.05	5	20	F
methyl tert butyl ether	.51963	.47781	.1	8	20	
Halothane	.25477	.24642	.05	3	20	
trans-1,2-dichloroethene	.34461	.36247	.1	-5	20	
Diisopropyl Ether	.81846	.73919	.05	10	20	
vinyl acetate	.38582	.35879	.05	7	20	
1,1-dichloroethane	.58497	.58729	.2	0	20	
Ethyl-Tert-Butyl-Ether	.7021	.6002	.05	15	20	
2-butanone	.05505	.04934	.1	10	20	F
2,2-dichloropropane	.38987	.34127	.05	12	20	
ethyl acetate	.11173	.10079	.05	10	20	
cis-1,2-dichloroethene	.36598	.39413	.1	-8	20	
chloroform	.55517	.59011	.2	-6	20	
bromochloromethane	.13826	.15645	.05	-13	20	
tetrahydrofuran	100	91.252	.05	9	20	
1,1,1-trichloroethane	.50175	.48047	.1	4	20	
1,1-dichloropropene	.47777	.48966	.05	-2	20	
carbontetrachloride	.40299	.35552	.1	12	20	
Tertiary-Amyl Methyl Ether	.59124	.50614	.05	14	20	
1,2-dichloroethane	.29658	.33132	.1	-12	20	
benzene	1.4222	1.4599	.5	-3	20	
trichloroethene	.35492	.37643	.2	-6	20	
1,2-dichloropropane	.31236	.2942	.1	6	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104935

Instrument ID: Quimby.i Calibration Date: 14-APR-2011 Time: 04:23

Lab File ID: 0414A01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
bromodichloromethane	.34843	.34429	.2	1	20	
1,4-dioxane	.00121	.00159	.05	-31	20	F
dibromomethane	.12614	.13823	.05	-10	20	
2-chloroethylvinyl ether	.10568	.0728	.05	31	20	F
4-methyl-2-pentanone	.05144	.03981	.1	23	20	F
cis-1,3-dichloropropene	.449	.36084	.2	20	20	
toluene	1.1887	1.1255	.4	5	20	
trans-1,3-dichloropropene	.40626	.30397	.1	25	20	F
1,1,2-trichloroethane	.18806	.18226	.1	3	20	
2-hexanone	.10447	.07432	.1	29	20	F
1,3-dichloropropane	.41055	.4031	.05	2	20	
tetrachloroethene	.54918	.57932	.2	-5	20	
chlorodibromomethane	.26275	.24238	.1	8	20	
1,2-dibromoethane	.21528	.21272	.1	1	20	
chlorobenzene	1.3469	1.2413	.5	8	20	
1,1,1,2-tetrachloroethane	.39146	.32688	.05	16	20	
ethyl benzene	2.4104	2.2424	.1	7	20	
p/m xylene	.97612	.91306	.1	6	20	
o xylene	.96041	.86898	.3	10	20	
styrene	1.5385	1.4928	.31	3	20	
isopropylbenzene	2.4862	2.2016	.1	11	20	
trans-1,4-dichloro-2-butene	.03888	.02986	.05	23	20	F
bromoform	.23103	.20255	.1	12	20	
1,1,2,2,-tetrachloroethane	.38882	.35855	.3	8	20	
1,2,3-trichloropropane	.302	.27654	.05	8	20	
n-propylbenzene	4.2789	3.6902	.05	14	20	
bromobenzene	.85391	.85418	.05	0	20	
4-ethyltoluene	2.1733	1.7785	.05	18	20	
1,3,5-trimethybenzene	3.1161	2.5929	.05	17	20	
2-chlorotoluene	2.8216	2.4893	.05	12	20	
4-chorotoluene	2.6385	2.4088	.05	9	20	
tert-butylbenzene	2.7401	2.2679	.05	17	20	
1,2,4-trimethylbenzene	3.1459	2.7127	.05	14	20	
sec-butylbenzene	3.7202	3.0606	.05	18	20	
p-isopropyltoluene	3.1690	2.7123	.05	14	20	
1,3-dichlorobenzene	1.7564	1.6339	.6	7	20	
1,4-dichlorobenzene	1.7757	1.6733	.5	6	20	
n-butylbenzene	3.0962	2.4988	.05	19	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104935

Instrument ID: Quimby.i Calibration Date: 14-APR-2011 Time: 04:23

Lab File ID: 0414A01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
1,2,4,5-tetramathylbenezene	1.0900	.89486	.05	18	20	
1,2-dichlorobenzene	1.4995	1.4204	.4	5	20	
p-diethylbenzene	1.5484	1.2172	.05	21	20	F
1,2-dibromo-3-chloropropane	.05659	.04177	.05	26	20	F
1,3,5-trichlorobenzene	1.0666	.83812	.01	21	30	
1,2,4-trichlorobenzene	.83258	.67414	.2	19	20	
hexachlorobutadiene	.4051	.35275	.05	13	20	
naphthalene	1.3212	.93446	.05	29	20	F
1,2,3-trichlorobenzene	.61394	.48308	.05	21	20	F
dibromofluoromethane	.23183	.23786	.05	-3	20	
1,2-dichloroethane-d4	.19112	.19559	.05	-2	20	
toluene-d8	1.2966	1.2371	.05	5	20	
4-bromofluorobenzene	.84277	.81203	.05	4	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104935

Instrument ID: Quimby.i Calibration Date: 13-APR-2011 Time: 08:04

Lab File ID: 0413B01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.34924	.28519	.1	18	20	
chloromethane	.35628	.31038	.1	13	20	
vinyl chloride	.30181	.30034	.1	0	20	
bromomethane	.22898	.16954	.1	26	20	F
chloroethane	.20794	.20782	.1	0	20	
trichlorofluoromethane	.42568	.50676	.1	-19	20	
ethyl ether	.12007	.12109	.05	-1	20	
acetone	100	87.164	.1	13	20	
1,1,-dichloroethene	.30271	.29934	.1	1	20	
methylene chloride	.30372	.28735	.1	5	20	
carbon disulfide	.91586	.79663	.1	13	20	
methyl tert butyl ether	.51963	.45283	.1	13	20	
trans-1,2-dichloroethene	.34461	.33013	.1	4	20	
Diisopropyl Ether	.81846	.70303	.05	14	20	
1,1-dichloroethane	.58497	.53621	.2	8	20	
Ethyl-Tert-Butyl-Ether	.7021	.56611	.05	19	20	
2-butanone	.05505	.04677	.1	15	20	F
2,2-dichloropropane	.38987	.30894	.05	21	20	F
cis-1,2-dichloroethene	.36598	.36171	.1	1	20	
chloroform	.55517	.54578	.2	2	20	
bromochloromethane	.13826	.14848	.05	-7	20	
tetrahydrofuran	100	79.921	.05	20	20	F
1,1,1-trichloroethane	.50175	.44842	.1	11	20	
1,1-dichloropropene	.47777	.44616	.05	7	20	
carbontetrachloride	.40299	.34949	.1	13	20	
Tertiary-Amyl Methyl Ether	.59124	.46611	.05	21	20	F
1,2-dichloroethane	.29658	.29749	.1	0	20	
benzene	1.4222	1.3457	.5	5	20	
trichloroethene	.35492	.34465	.2	3	20	
1,2-dichloropropane	.31236	.26964	.1	14	20	
bromodichloromethane	.34843	.31569	.2	9	20	
1,4-dioxane	.00121	.00126	.05	-4	20	F
dibromomethane	.12614	.12909	.05	-2	20	
4-methyl-2-pentanone	.05144	.03788	.1	26	20	F
cis-1,3-dichloropropene	.449	.32432	.2	28	20	F
toluene	1.1887	1.0131	.4	15	20	
trans-1,3-dichloropropene	.40626	.25927	.1	36	20	F
1,1,2-trichloroethane	.18806	.16386	.1	13	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1104935

Instrument ID: Quimby.i Calibration Date: 13-APR-2011 Time: 08:04

Lab File ID: 0413B01 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
2-hexanone	.10447	.06932	.1	34	20	F
1,3-dichloropropane	.41055	.36448	.05	11	20	
tetrachloroethene	.54918	.49951	.2	9	20	
chlorodibromomethane	.26275	.21451	.1	18	20	
1,2-dibromoethane	.21528	.18684	.1	13	20	
chlorobenzene	1.3469	1.1058	.5	18	20	
1,1,1,2-tetrachloroethane	.39146	.28258	.05	28	20	F
ethyl benzene	2.4104	1.9804	.1	18	20	
p/m xylene	.97612	.79939	.1	18	20	
o xylene	.96041	.76974	.3	20	20	
styrene	1.5385	1.2811	.31	17	20	
isopropylbenzene	2.4862	1.8952	.1	24	20	F
bromoform	.23103	.18521	.1	20	20	
1,1,2,2,-tetrachloroethane	.38882	.32076	.3	18	20	
1,2,3-trichloropropane	.302	.25008	.05	17	20	
n-propylbenzene	4.2789	3.2563	.05	24	20	F
bromobenzene	.85391	.76759	.05	10	20	
1,3,5-trimethybenzene	3.1161	2.3367	.05	25	20	F
2-chlorotoluene	2.8216	2.2715	.05	19	20	
4-chorotoluene	2.6385	2.1525	.05	18	20	
tert-butylbenzene	2.7401	2.0213	.05	26	20	F
1,2,4-trimethylbenzene	3.1459	2.4762	.05	21	20	F
sec-butylbenzene	3.7202	2.6748	.05	28	20	F
p-isopropyltoluene	3.1690	2.3986	.05	24	20	F
1,3-dichlorobenzene	1.7564	1.4591	.6	17	20	
1,4-dichlorobenzene	1.7757	1.4851	.5	16	20	
n-butylbenzene	3.0962	2.2131	.05	29	20	F
1,2-dichlorobenzene	1.4995	1.2842	.4	14	20	
1,2-dibromo-3-chloropropane	.05659	.03868	.05	32	20	F
1,2,4-trichlorobenzene	.83258	.61703	.2	26	20	F
hexachlorobutadiene	.4051	.3321	.05	18	20	
naphthalene	1.3212	.84131	.05	36	20	F
1,2,3-trichlorobenzene	.61394	.44816	.05	27	20	F
dibromofluoromethane	.23183	.24463	.05	-6	20	
1,2-dichloroethane-d4	.19112	.20082	.05	-5	20	
toluene-d8	1.2966	1.2488	.05	4	20	
4-bromofluorobenzene	.84277	.80658	.05	4	20	

FORM VII MCP-8260-10

ANALYTICAL REPORT

Lab Number:	L1105631
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:	05/03/11

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Project Name: NBHS
Project Number: 115058

Lab Number: L1105631
Report Date: 05/03/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1105631-01	MW 27R	NEW BEDFORD, MA	04/25/11 15:25
L1105631-02	VAC TRUCK	NEW BEDFORD, MA	04/25/11 21:15
L1105631-03	TRIP BLANK	NEW BEDFORD, MA	04/25/11 00:00

Project Name: NBHS **Lab Number:** L1105631

Project Number: 115058 **Report Date:** 05/03/11

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.

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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

L1105631-01 and -02 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the sample.

In reference to question G:

L1105631-01 and -02: All target analytes did not achieve the requested CAM reporting limits.

L1105631-03: Tetrahydrofuran did not achieve the requested CAM reporting limits.

In reference to question H:

The WG465581-1/-2 LCS/LCSD recoveries, associated with L1105631-01 and -02, are outside the individual acceptance criteria for several compounds, but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially high bias for Trichlorofluoromethane (139%/150%) and Bromochloromethane (LCSD at 133%), and a potentially low bias for

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Case Narrative (continued)

Tetrahydrofuran (LCS at 69%).

The WG465581-1/-2 LCS/LCSD recoveries, associated with L1105631-01 and -02, are below the acceptance criteria for 2-Hexanone (65%/68%); however, it has been identified as a "difficult" analyte and is within the 40-160% acceptance limits. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

The initial calibration, associated with L1105631-03, did not meet the method required minimum response factors on the lowest calibration standards for 1,4-Dioxane (0.0496), as well as the average response factor for 1,4-Dioxane.

The initial calibration, associated with L1105631-01 and -02, did not meet the method required minimum response factors on the lowest calibration standards for 2-Butanone (0.06976), 4-Methyl-2-pentanone (0.05668), and 1,4-Dioxane (0.00134), as well as the average response factor for2-Butanone, 4-Methyl-2-pentanoneband 1,4-Dioxane. In addition, a quadratic fit was utilized for Acetone and Tetrahydrofuran.

The continuing calibration standards, associated with L1105631-01 through -03, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as an addendum to this report.

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

Authorized Signature: Elizabeth Simmons

Title: Technical Director/Representative Date: 05/03/11

ORGANICS

VOLATILES

Project Name: NBHS **Lab Number:** L1105631

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SAMPLE RESULTS

Lab ID:	L1105631-01 D	Date Collected:	04/25/11 15:25
Client ID:	MW 27R	Date Received:	04/26/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	04/29/11 15:35		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	800	--	400
1,1-Dichloroethane	ND		ug/l	400	--	400
Chloroform	ND		ug/l	400	--	400
Carbon tetrachloride	ND		ug/l	400	--	400
1,2-Dichloropropane	ND		ug/l	400	--	400
Dibromochloromethane	ND		ug/l	400	--	400
1,1,2-Trichloroethane	ND		ug/l	400	--	400
Tetrachloroethene	ND		ug/l	400	--	400
Chlorobenzene	ND		ug/l	400	--	400
Trichlorofluoromethane	ND		ug/l	800	--	400
1,2-Dichloroethane	ND		ug/l	400	--	400
1,1,1-Trichloroethane	ND		ug/l	400	--	400
Bromodichloromethane	ND		ug/l	400	--	400
trans-1,3-Dichloropropene	ND		ug/l	200	--	400
cis-1,3-Dichloropropene	ND		ug/l	200	--	400
1,1-Dichloropropene	ND		ug/l	800	--	400
Bromoform	ND		ug/l	800	--	400
1,1,2,2-Tetrachloroethane	ND		ug/l	400	--	400
Benzene	ND		ug/l	400	--	400
Toluene	ND		ug/l	400	--	400
Ethylbenzene	ND		ug/l	400	--	400
Chloromethane	ND		ug/l	800	--	400
Bromomethane	ND		ug/l	800	--	400
Vinyl chloride	ND		ug/l	400	--	400
Chloroethane	ND		ug/l	800	--	400
1,1-Dichloroethene	ND		ug/l	400	--	400
trans-1,2-Dichloroethene	910		ug/l	400	--	400
Trichloroethene	29000		ug/l	400	--	400
1,2-Dichlorobenzene	ND		ug/l	400	--	400
1,3-Dichlorobenzene	ND		ug/l	400	--	400
1,4-Dichlorobenzene	ND		ug/l	400	--	400

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SAMPLE RESULTS

Lab ID: L1105631-01 D Date Collected: 04/25/11 15:25

Client ID: MW 27R Date Received: 04/26/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	800	--	400
p/m-Xylene	ND		ug/l	800	--	400
o-Xylene	ND		ug/l	400	--	400
cis-1,2-Dichloroethene	3400		ug/l	400	--	400
Dibromomethane	ND		ug/l	800	--	400
1,2,3-Trichloropropane	ND		ug/l	800	--	400
Styrene	ND		ug/l	400	--	400
Dichlorodifluoromethane	ND		ug/l	800	--	400
Acetone	ND		ug/l	2000	--	400
Carbon disulfide	ND		ug/l	800	--	400
2-Butanone	ND		ug/l	2000	--	400
4-Methyl-2-pentanone	ND		ug/l	2000	--	400
2-Hexanone	ND		ug/l	2000	--	400
Bromochloromethane	ND		ug/l	800	--	400
Tetrahydrofuran	ND		ug/l	2000	--	400
2,2-Dichloropropane	ND		ug/l	800	--	400
1,2-Dibromoethane	ND		ug/l	800	--	400
1,3-Dichloropropane	ND		ug/l	800	--	400
1,1,1,2-Tetrachloroethane	ND		ug/l	400	--	400
Bromobenzene	ND		ug/l	800	--	400
n-Butylbenzene	ND		ug/l	800	--	400
sec-Butylbenzene	ND		ug/l	800	--	400
tert-Butylbenzene	ND		ug/l	800	--	400
o-Chlorotoluene	ND		ug/l	800	--	400
p-Chlorotoluene	ND		ug/l	800	--	400
1,2-Dibromo-3-chloropropane	ND		ug/l	800	--	400
Hexachlorobutadiene	ND		ug/l	240	--	400
Isopropylbenzene	ND		ug/l	800	--	400
p-Isopropyltoluene	ND		ug/l	800	--	400
Naphthalene	ND		ug/l	800	--	400
n-Propylbenzene	ND		ug/l	800	--	400
1,2,3-Trichlorobenzene	ND		ug/l	800	--	400
1,2,4-Trichlorobenzene	ND		ug/l	800	--	400
1,3,5-Trimethylbenzene	ND		ug/l	800	--	400
1,2,4-Trimethylbenzene	ND		ug/l	800	--	400
Ethyl ether	ND		ug/l	800	--	400
Isopropyl Ether	ND		ug/l	800	--	400
Ethyl-Tert-Butyl-Ether	ND		ug/l	800	--	400
Tertiary-Amyl Methyl Ether	ND		ug/l	800	--	400

Project Name: NBHS **Lab Number:** L1105631

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SAMPLE RESULTS

Lab ID: L1105631-01 D Date Collected: 04/25/11 15:25

Client ID: MW 27R Date Received: 04/26/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	100000	--	400

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	112		70-130

Project Name: NBHS **Lab Number:** L1105631

Project Number: 115058 **Report Date:** 05/03/11

SAMPLE RESULTS

Lab ID:	L1105631-02 D	Date Collected:	04/25/11 21:15
Client ID:	VAC TRUCK	Date Received:	04/26/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	04/29/11 16:07		
Analyst:	MM		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	50	--	25
1,1-Dichloroethane	ND		ug/l	25	--	25
Chloroform	ND		ug/l	25	--	25
Carbon tetrachloride	ND		ug/l	25	--	25
1,2-Dichloropropane	ND		ug/l	25	--	25
Dibromochloromethane	ND		ug/l	25	--	25
1,1,2-Trichloroethane	ND		ug/l	25	--	25
Tetrachloroethene	ND		ug/l	25	--	25
Chlorobenzene	ND		ug/l	25	--	25
Trichlorofluoromethane	ND		ug/l	50	--	25
1,2-Dichloroethane	ND		ug/l	25	--	25
1,1,1-Trichloroethane	ND		ug/l	25	--	25
Bromodichloromethane	ND		ug/l	25	--	25
trans-1,3-Dichloropropene	ND		ug/l	12	--	25
cis-1,3-Dichloropropene	ND		ug/l	12	--	25
1,1-Dichloropropene	ND		ug/l	50	--	25
Bromoform	ND		ug/l	50	--	25
1,1,2,2-Tetrachloroethane	ND		ug/l	25	--	25
Benzene	ND		ug/l	25	--	25
Toluene	ND		ug/l	25	--	25
Ethylbenzene	ND		ug/l	25	--	25
Chloromethane	ND		ug/l	50	--	25
Bromomethane	ND		ug/l	50	--	25
Vinyl chloride	ND		ug/l	25	--	25
Chloroethane	ND		ug/l	50	--	25
1,1-Dichloroethene	ND		ug/l	25	--	25
trans-1,2-Dichloroethene	ND		ug/l	25	--	25
Trichloroethene	1600		ug/l	25	--	25
1,2-Dichlorobenzene	ND		ug/l	25	--	25
1,3-Dichlorobenzene	ND		ug/l	25	--	25
1,4-Dichlorobenzene	ND		ug/l	25	--	25

Project Name: NBHS **Lab Number:** L1105631

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SAMPLE RESULTS

Lab ID: L1105631-02 D Date Collected: 04/25/11 21:15

Client ID: VAC TRUCK Date Received: 04/26/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	50	--	25
p/m-Xylene	ND		ug/l	50	--	25
o-Xylene	ND		ug/l	25	--	25
cis-1,2-Dichloroethene	89		ug/l	25	--	25
Dibromomethane	ND		ug/l	50	--	25
1,2,3-Trichloropropane	ND		ug/l	50	--	25
Styrene	ND		ug/l	25	--	25
Dichlorodifluoromethane	ND		ug/l	50	--	25
Acetone	ND		ug/l	120	--	25
Carbon disulfide	ND		ug/l	50	--	25
2-Butanone	ND		ug/l	120	--	25
4-Methyl-2-pentanone	ND		ug/l	120	--	25
2-Hexanone	ND		ug/l	120	--	25
Bromochloromethane	ND		ug/l	50	--	25
Tetrahydrofuran	ND		ug/l	120	--	25
2,2-Dichloropropane	ND		ug/l	50	--	25
1,2-Dibromoethane	ND		ug/l	50	--	25
1,3-Dichloropropane	ND		ug/l	50	--	25
1,1,1,2-Tetrachloroethane	ND		ug/l	25	--	25
Bromobenzene	ND		ug/l	50	--	25
n-Butylbenzene	ND		ug/l	50	--	25
sec-Butylbenzene	ND		ug/l	50	--	25
tert-Butylbenzene	ND		ug/l	50	--	25
o-Chlorotoluene	ND		ug/l	50	--	25
p-Chlorotoluene	ND		ug/l	50	--	25
1,2-Dibromo-3-chloropropane	ND		ug/l	50	--	25
Hexachlorobutadiene	ND		ug/l	15	--	25
Isopropylbenzene	ND		ug/l	50	--	25
p-Isopropyltoluene	ND		ug/l	50	--	25
Naphthalene	ND		ug/l	50	--	25
n-Propylbenzene	ND		ug/l	50	--	25
1,2,3-Trichlorobenzene	ND		ug/l	50	--	25
1,2,4-Trichlorobenzene	ND		ug/l	50	--	25
1,3,5-Trimethylbenzene	ND		ug/l	50	--	25
1,2,4-Trimethylbenzene	ND		ug/l	50	--	25
Ethyl ether	ND		ug/l	50	--	25
Isopropyl Ether	ND		ug/l	50	--	25
Ethyl-Tert-Butyl-Ether	ND		ug/l	50	--	25
Tertiary-Amyl Methyl Ether	ND		ug/l	50	--	25

Project Name: NBHS **Lab Number:** L1105631

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SAMPLE RESULTS

Lab ID: L1105631-02 D Date Collected: 04/25/11 21:15

Client ID: VAC TRUCK Date Received: 04/26/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	6200	--	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	115		70-130

Project Name: NBHS **Lab Number:** L1105631

Project Number: 115058 **Report Date:** 05/03/11

SAMPLE RESULTS

Lab ID:	L1105631-03	Date Collected:	04/25/11 00:00
Client ID:	TRIP BLANK	Date Received:	04/26/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	04/28/11 16:45		
Analyst:	MM		

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
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NBHS **Lab Number:** L1105631

Project Number: 115058 **Report Date:** 05/03/11

SAMPLE RESULTS

Lab ID: L1105631-03 Date Collected: 04/25/11 00:00

Client ID: TRIP BLANK Date Received: 04/26/11

Sample Location: NEW BEDFORD, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.0	--	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
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

Project Name: NBHS **Lab Number:** L1105631

Project Number: 115058 **Report Date:** 05/03/11

SAMPLE RESULTS

Lab ID:	L1105631-03	Date Collected:	04/25/11 00:00
Client ID:	TRIP BLANK	Date Received:	04/26/11
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	104		70-130

Project Name: NBHS **Lab Number:** L1105631

Project Number: 115058 **Report Date:** 05/03/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/28/11 08:06
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 03 Batch: WG465291-3					
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 **Lab Number:** L1105631

Project Number: 115058 **Report Date:** 05/03/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/28/11 08:06
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 03 Batch: WG465291-3					
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	5.0	--
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 **Lab Number:** L1105631

Project Number: 115058 **Report Date:** 05/03/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/28/11 08:06
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 03 Batch: WG465291-3					
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	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	102		70-130

Project Name: NBHS **Lab Number:** L1105631

Project Number: 115058 **Report Date:** 05/03/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/29/11 07:39
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG465581-3					
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 **Lab Number:** L1105631

Project Number: 115058 **Report Date:** 05/03/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/29/11 07:39
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG465581-3					
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	5.0	--
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 **Lab Number:** L1105631

Project Number: 115058 **Report Date:** 05/03/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 04/29/11 07:39
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-02 Batch: WG465581-3					
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	107		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	112		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1105631
Report Date: 05/03/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 03 Batch: WG465291-1 WG465291-2								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	98		99		70-130	1		20
Chloroform	99		99		70-130	0		20
Carbon tetrachloride	91		94		70-130	3		20
1,2-Dichloropropane	96		99		70-130	3		20
Dibromochloromethane	92		85		70-130	8		20
1,1,2-Trichloroethane	100		90		70-130	11		20
Tetrachloroethene	96		97		70-130	1		20
Chlorobenzene	92		92		70-130	0		20
Trichlorofluoromethane	104		102		70-130	2		20
1,2-Dichloroethane	101		98		70-130	3		20
1,1,1-Trichloroethane	94		96		70-130	2		20
Bromodichloromethane	95		93		70-130	2		20
trans-1,3-Dichloropropene	89		86		70-130	3		20
cis-1,3-Dichloropropene	93		89		70-130	4		20
1,1-Dichloropropene	99		101		70-130	2		20
Bromoform	91		82		70-130	10		20
1,1,2,2-Tetrachloroethane	104		91		70-130	13		20
Benzene	100		101		70-130	1		20
Toluene	97		96		70-130	1		20
Ethylbenzene	96		96		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1105631
Report Date: 05/03/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 03 Batch: WG465291-1 WG465291-2								
Chloromethane	85		87		70-130	2		20
Bromomethane	91		98		70-130	7		20
Vinyl chloride	96		98		70-130	2		20
Chloroethane	95		94		70-130	1		20
1,1-Dichloroethene	101		103		70-130	2		20
trans-1,2-Dichloroethene	98		102		70-130	4		20
Trichloroethene	100		99		70-130	1		20
1,2-Dichlorobenzene	95		91		70-130	4		20
1,3-Dichlorobenzene	97		93		70-130	4		20
1,4-Dichlorobenzene	98		95		70-130	3		20
Methyl tert butyl ether	102		94		70-130	8		20
p/m-Xylene	96		96		70-130	0		20
o-Xylene	96		95		70-130	1		20
cis-1,2-Dichloroethene	98		101		70-130	3		20
Dibromomethane	103		100		70-130	3		20
1,2,3-Trichloropropane	108		96		70-130	12		20
Styrene	97		95		70-130	2		20
Dichlorodifluoromethane	84		85		70-130	1		20
Acetone	107		95		70-130	12		20
Carbon disulfide	78		81		70-130	4		20
2-Butanone	107		91		70-130	16		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1105631
Report Date: 05/03/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 03 Batch: WG465291-1 WG465291-2								
4-Methyl-2-pentanone	97		81		70-130	18		20
2-Hexanone	92		77		70-130	18		20
Bromochloromethane	104		98		70-130	6		20
Tetrahydrofuran	122		100		70-130	20		20
2,2-Dichloropropane	93		95		70-130	2		20
1,2-Dibromoethane	99		91		70-130	8		20
1,3-Dichloropropane	100		95		70-130	5		20
1,1,1,2-Tetrachloroethane	91		90		70-130	1		20
Bromobenzene	96		95		70-130	1		20
n-Butylbenzene	102		98		70-130	4		20
sec-Butylbenzene	98		95		70-130	3		20
tert-Butylbenzene	98		95		70-130	3		20
o-Chlorotoluene	99		99		70-130	0		20
p-Chlorotoluene	97		91		70-130	6		20
1,2-Dibromo-3-chloropropane	92		76		70-130	19		20
Hexachlorobutadiene	97		94		70-130	3		20
Isopropylbenzene	95		92		70-130	3		20
p-Isopropyltoluene	101		98		70-130	3		20
Naphthalene	90		79		70-130	13		20
n-Propylbenzene	99		97		70-130	2		20
1,2,3-Trichlorobenzene	96		87		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1105631
Report Date: 05/03/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 03 Batch: WG465291-1 WG465291-2								
1,2,4-Trichlorobenzene	91		86		70-130	6		20
1,3,5-Trimethylbenzene	103		101		70-130	2		20
1,2,4-Trimethylbenzene	100		96		70-130	4		20
Ethyl ether	118		107		70-130	10		20
Isopropyl Ether	108		105		70-130	3		20
Ethyl-Tert-Butyl-Ether	108		101		70-130	7		20
Tertiary-Amyl Methyl Ether	114		105		70-130	8		20
1,4-Dioxane	104		92		70-130	12		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		95		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	102		98		70-130
Dibromofluoromethane	101		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1105631
Report Date: 05/03/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG465581-1 WG465581-2								
Methylene chloride	111		120		70-130	8		20
1,1-Dichloroethane	102		110		70-130	8		20
Chloroform	114		121		70-130	6		20
Carbon tetrachloride	117		114		70-130	3		20
1,2-Dichloropropane	95		100		70-130	5		20
Dibromochloromethane	112		113		70-130	1		20
1,1,2-Trichloroethane	101		105		70-130	4		20
Tetrachloroethene	118		125		70-130	6		20
Chlorobenzene	97		104		70-130	7		20
Trichlorofluoromethane	**139**	Q	**150**	Q	70-130	8		20
1,2-Dichloroethane	116		121		70-130	4		20
1,1,1-Trichloroethane	111		114		70-130	3		20
Bromodichloromethane	110		113		70-130	3		20
trans-1,3-Dichloropropene	78		84		70-130	7		20
cis-1,3-Dichloropropene	86		90		70-130	5		20
1,1-Dichloropropene	107		114		70-130	6		20
Bromoform	116		110		70-130	5		20
1,1,2,2-Tetrachloroethane	96		102		70-130	6		20
Benzene	106		114		70-130	7		20
Toluene	98		107		70-130	9		20
Ethylbenzene	96		103		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1105631
Report Date: 05/03/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG465581-1 WG465581-2								
Chloromethane	83		92		70-130	10		20
Bromomethane	109		121		70-130	10		20
Vinyl chloride	104		114		70-130	9		20
Chloroethane	110		121		70-130	10		20
1,1-Dichloroethene	114		121		70-130	6		20
trans-1,2-Dichloroethene	112		121		70-130	8		20
Trichloroethene	113		120		70-130	6		20
1,2-Dichlorobenzene	103		111		70-130	7		20
1,3-Dichlorobenzene	104		110		70-130	6		20
1,4-Dichlorobenzene	103		110		70-130	7		20
Methyl tert butyl ether	78		86		70-130	10		20
p/m-Xylene	98		106		70-130	8		20
o-Xylene	91		98		70-130	7		20
cis-1,2-Dichloroethene	113		126		70-130	11		20
Dibromomethane	118		124		70-130	5		20
1,2,3-Trichloropropane	96		100		70-130	4		20
Styrene	95		101		70-130	6		20
Dichlorodifluoromethane	84		91		70-130	8		20
Acetone	79		92		70-130	15		20
Carbon disulfide	81		86		70-130	6		20
2-Butanone	76		84		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1105631
Report Date: 05/03/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG465581-1 WG465581-2								
4-Methyl-2-pentanone	72		74		70-130	3		20
2-Hexanone	**65**	Q	**68**	Q	70-130	5		20
Bromochloromethane	126		**133**	Q	70-130	5		20
Tetrahydrofuran	**69**	Q	76		70-130	10		20
2,2-Dichloropropane	100		104		70-130	4		20
1,2-Dibromoethane	105		113		70-130	7		20
1,3-Dichloropropane	99		108		70-130	9		20
1,1,1,2-Tetrachloroethane	102		104		70-130	2		20
Bromobenzene	111		118		70-130	6		20
n-Butylbenzene	84		89		70-130	6		20
sec-Butylbenzene	86		92		70-130	7		20
tert-Butylbenzene	89		95		70-130	7		20
o-Chlorotoluene	94		100		70-130	6		20
p-Chlorotoluene	96		101		70-130	5		20
1,2-Dibromo-3-chloropropane	83		85		70-130	2		20
Hexachlorobutadiene	107		112		70-130	5		20
Isopropylbenzene	92		98		70-130	6		20
p-Isopropyltoluene	92		99		70-130	7		20
Naphthalene	71		74		70-130	4		20
n-Propylbenzene	90		94		70-130	4		20
1,2,3-Trichlorobenzene	86		90		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1105631
Report Date: 05/03/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG465581-1 WG465581-2								
1,2,4-Trichlorobenzene	87		93		70-130	7		20
1,3,5-Trimethylbenzene	91		96		70-130	5		20
1,2,4-Trimethylbenzene	93		100		70-130	7		20
Ethyl ether	89		95		70-130	7		20
Isopropyl Ether	74		80		70-130	8		20
Ethyl-Tert-Butyl-Ether	71		76		70-130	7		20
Tertiary-Amyl Methyl Ether	73		77		70-130	5		20
1,4-Dioxane	106		126		70-130	17		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	95		97		70-130
4-Bromofluorobenzene	90		90		70-130
Dibromofluoromethane	106		107		70-130

Project Name: NBHS
Project Number: 115058

Lab Number: L1105631
Report Date: 05/03/11

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(*)
L1105631-01A	Vial HCl preserved	A	N/A	3	Y	Absent	MCP-8260-10(14)
L1105631-01B	Vial HCl preserved	A	N/A	3	Y	Absent	MCP-8260-10(14)
L1105631-02A	Vial HCl preserved	A	N/A	3	Y	Absent	MCP-8260-10(14)
L1105631-02B	Vial HCl preserved	A	N/A	3	Y	Absent	MCP-8260-10(14)
L1105631-03A	Vial HCl preserved	A	N/A	3	Y	Absent	MCP-8260-10(14)

*Values in parentheses indicate holding time in days

Project Name:	NBHS	**Lab Number:**	L1105631
Project Number:	115058	**Report Date:**	05/03/11

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.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
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

Project Name:	NBHS	**Lab Number:**	L1105631
Project Number:	115058	**Report Date:**	05/03/11

Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

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

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

Project Name: NBHS **Lab Number:** L1105631
Project Number: 115058 **Report Date:** 05/03/11

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 February 23, 2011 - Westboro Facility

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

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

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

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

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 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); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, 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. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

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

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 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 NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 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, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 4/26/11

ALPHA Job #: L1105631

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: TRC ENVIRONMENTAL
Address: 650 SUFFOLK ST
LOWELL MA 01854
Phone: 978-970-5600
Fax:
Email: DSULLIVAN@TRCSOLUTIONS.COM ALEONARD
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: NBHS.
Project Location: NEW BEDFORD MA
Project #: 115058
Project Manager: DAVID SULLIVAN
ALPHA Quote #:

Turn-Around Time

☑ Standard 5-DAY ☐ RUSH (only confirmed if pre-approved!)
Date Due: 5/3/11 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MA Criteria MCP

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: 8260 VOCs

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260 VOCs	Sample Specific Comments	TOTAL # BOTTLES
5631-01	MW 27R	4/25	15:25	GW	JF ZR	✓		2
-02	VAC TRUCK	4/25	21:15	GW	JF ZR	✓		2
-03	TRIP BLANK	4/23	—	DW	LAB	✓		1

Container Type	✓
Preservative	B

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/26 10AM	[signature]	4/26/11 9:10
[signature]	4/26/11	[signature]	4/26/11 6PM

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105631

Instrument ID: Jack.i Calibration Date: 28-APR-2011 Time: 06:29

Lab File ID: 0428A02 Init. Calib. Date(s): 25-APR-2 25-APR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:08 09:55

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.59927	.5048	.1	16	20	
chloromethane	.80529	.68748	.1	15	20	
vinyl chloride	.72026	.69407	.1	4	20	
bromomethane	.50777	.46096	.1	9	20	
chloroethane	.4638	.43898	.1	5	20	
trichlorofluoromethane	1.0448	1.0825	.1	-4	20	
ethyl ether	.31792	.37446	.05	-18	20	
1,1,-dichloroethene	.62459	.63375	.1	-1	20	
carbon disulfide	1.9218	1.5020	.05	22	20	F
freon-113	.67224	.62591	.1	7	20	
iodomethane	.97941	.87621	.05	11	20	
acrolien	.02775	.08608	.05	-210	20	F
methylene chloride	.67588	.67864	.05	0	20	
acetone	100	107	.1	-7	20	
trans-1,2-dichloroethene	.67661	.66596	.1	2	20	
methyl acetate	.36876	.36171	.1	2	20	
methyl tert butyl ether	1.5294	1.5655	.1	-2	20	
Diisopropyl Ether	1.7761	1.9200	.05	-8	20	
tert butyl alcohol	.04091	.04357	.05	-6	20	F
1,1-dichloroethane	1.2543	1.2269	.2	2	20	
acrylonitrile	.15463	.15975	.05	-3	20	
halothane	.49805	.37512	.05	25	20	F
Ethyl-Tert-Butyl-Ether	1.6917	1.8287	.05	-8	20	
vinyl acetate	.99576	1.1553	.05	-16	20	
cis-1,2-dichloroethene	.75374	.74073	.1	2	20	
2,2-dichloropropane	1.1358	1.0591	.05	7	20	
cyclohexane	1.0879	1.1332	.01	-4	30	
bromochloromethane	.33874	.35112	.05	-4	20	
chloroform	1.2690	1.2533	.2	1	20	
carbontetrachloride	.98442	.8926	.1	9	20	
ethyl acetate	.24559	.44974	.05	-83	20	F
tetrahydrofuran	.13015	.15902	.05	-22	20	F
1,1,1-trichloroethane	1.1202	1.0589	.1	5	20	
1,1-dichloropropene	.98934	.98358	.05	1	20	
2-butanone	.19283	.2062	.1	-7	20	
benzene	2.8126	2.7991	.5	0	20	
Tertiary-Amyl Methyl Ether	1.383	1.5819	.05	-14	20	
1,2-dichloroethane	.89615	.90667	.1	-1	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105631

Instrument ID: Jack.i Calibration Date: 28-APR-2011 Time: 06:29

Lab File ID: 0428A02 Init. Calib. Date(s): 25-APR-2 25-APR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:08 09:55

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
methyl cyclohexane	1.0971	1.1263	.01	-3	30	
trichloroethene	.73259	.73	.2	0	20	
dibromomethane	.37072	.38128	.05	-3	20	
1,2-dichloropropane	.69691	.66767	.1	4	20	
bromodichloromethane	1.0031	.95021	.2	5	20	
1,4-dioxane	.00417	.00435	.05	-4	20	F
2-chloroethylvinyl ether	.25626	.24664	.05	4	20	
cis-1,3-dichloropropene	1.0916	1.0129	.2	7	20	
toluene	2.2856	2.2103	.4	3	20	
tetrachloroethene	1.0324	.99393	.2	4	20	
4-methyl-2-pentanone	.15674	.15145	.1	3	20	
trans-1,3-dichloropropene	1.2172	1.0879	.1	11	20	
1,1,2-trichloroethane	.56271	.56168	.1	0	20	
ethyl-methacrylate	.81098	.83781	.01	-3	30	
chlorodibromomethane	.80458	.74109	.1	8	20	
1,3-dichloropropane	1.1612	1.1671	.05	-1	20	
1,2-dibromoethane	.66941	.66395	.1	1	20	
2-hexanone	.35682	.32898	.1	8	20	
chlorobenzene	2.5648	2.3732	.5	7	20	
ethyl benzene	4.5883	4.412	.1	4	20	
1,1,1,2-tetrachloroethane	.90148	.82025	.05	9	20	
p/m xylene	1.7612	1.6967	.1	4	20	
o xylene	1.6855	1.6195	.3	4	20	
bromoform	.82659	.75493	.1	9	20	
styrene	2.7907	2.7013	.3	3	20	
isopropylbenzene	4.5492	4.3140	.1	5	20	
bromobenzene	1.8321	1.7587	.05	4	20	
n-propylbenzene	8.6193	8.5577	.05	1	20	
1,4-dichloro-2-butane	1.7900	1.8761	.01	-5	20	
1,1,2,2,-tetrachloroethane	1.3016	1.3474	.3	-4	20	
4-ethytoluene	6.5453	6.7016	.05	-2	20	
2-chlorotoluene	5.7744	5.7398	.05	1	20	
1,2,3-trichloropropane	1.0513	1.1378	.05	-8	20	
1,3,5-trimethybenzene	6.5196	6.7016	.05	-3	20	
trans-1,4-dichloro-2-butene	.37737	.37912	.05	0	20	
4-chorotoluene	5.2671	5.1007	.05	3	20	
tert-butylbenzene	5.0884	4.9834	.05	2	20	
1,2,4-trimethylbenzene	5.9750	5.9493	.05	0	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105631

Instrument ID: Jack.i Calibration Date: 28-APR-2011 Time: 06:29

Lab File ID: 0428A02 Init. Calib. Date(s): 25-APR-2 25-APR-2

Sample No: 8260 CCAL Init. Calib. Times : 06:08 09:55

Compound	RRF	RRF	MIN RRF	%D	MAX %D
sec-butylbenzene	7.2570	7.1329	.05	2	20
p-isopropyltoluene	5.8417	5.9036	.05	-1	20
1,3-dichlorobenzene	3.4152	3.3033	.6	3	20
1,4-dichlorobenzene	3.4346	3.3692	.5	2	20
p-diethylbenzene	2.9401	3.3041	.05	-12	20
n-butylbenzene	4.9357	5.0346	.05	-2	20
1,2-dichlorobenzene	3.1389	2.9801	.4	5	20
1,2,4,5-tetramethylbenezene	4.1364	4.3748	.05	-6	20
1,2-dibromo-3-chloropropane	.20386	.18797	.05	8	20
1,3,5-trichlorobenzene	2.0819	1.8232	.05	12	20
1,2,4-trichlorobenzene	1.6286	1.4878	.2	9	20
hexachlorobutadiene	.7415	.72185	.05	3	20
naphthalene	3.0351	2.7251	.05	10	20
1,2,3-trichlorobenzene	1.2807	1.2237	.05	4	20
dibromofluoromethane	.28153	.2844	.05	-1	20
1,2-dichloroethane-d4	.32878	.32806	.05	0	20
toluene-d8	1.3542	1.3161	.05	3	20
4-bromofluorobenzene	.90168	.92305	.05	-2	20

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105631

Instrument ID: Quimby.i Calibration Date: 29-APR-2011 Time: 06:36

Lab File ID: 0429A02 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.34924	.29331	.1	16	20	
chloromethane	.35628	.29698	.1	17	20	
vinyl chloride	.30181	.31546	.1	-5	20	
bromomethane	.22898	.24968	.1	-9	20	
chloroethane	.20794	.22948	.1	-10	20	
trichlorofluoromethane	.42568	.59288	.1	-39	20	F
ethyl ether	.12007	.10674	.05	11	20	
acetone	100	78.832	.1	21	20	F
1,1,-dichloroethene	.30271	.34551	.1	-14	20	
methylene chloride	.30372	.33715	.1	-11	20	
carbon disulfide	.91586	.74091	.1	19	20	
methyl tert butyl ether	.51963	.40336	.1	22	20	F
trans-1,2-dichloroethene	.34461	.3856	.1	-12	20	
Diisopropyl Ether	.81846	.60818	.05	26	20	F
1,1-dichloroethane	.58497	.59658	.2	-2	20	
Ethyl-Tert-Butyl-Ether	.7021	.49811	.05	29	20	F
2-butanone	.05505	.0421	.1	24	20	F
2,2-dichloropropane	.38987	.38912	.05	0	20	
cis-1,2-dichloroethene	.36598	.41531	.1	-13	20	
chloroform	.55517	.6348	.2	-14	20	
bromochloromethane	.13826	.17413	.05	-26	20	F
tetrahydrofuran	100	69.402	.05	31	20	F
1,1,1-trichloroethane	.50175	.55579	.1	-11	20	
1,1-dichloropropene	.47777	.51354	.05	-7	20	
carbontetrachloride	.40299	.47097	.1	-17	20	
Tertiary-Amyl Methyl Ether	.59124	.43097	.05	27	20	F
1,2-dichloroethane	.29658	.34445	.1	-16	20	
benzene	1.4222	1.5074	.5	-6	20	
trichloroethene	.35492	.40073	.2	-13	20	
1,2-dichloropropane	.31236	.29779	.1	5	20	
bromodichloromethane	.34843	.38329	.2	-10	20	
1,4-dioxane	.00121	.00128	.05	-6	20	F
dibromomethane	.12614	.14959	.05	-19	20	
4-methyl-2-pentanone	.05144	.03727	.1	28	20	F
cis-1,3-dichloropropene	.449	.38432	.2	14	20	
toluene	1.1887	1.1599	.4	2	20	
trans-1,3-dichloropropene	.40626	.31871	.1	22	20	F
1,1,2-trichloroethane	.18806	.18936	.1	-1	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105631

Instrument ID: Quimby.i Calibration Date: 29-APR-2011 Time: 06:36

Lab File ID: 0429A02 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
2-hexanone	.10447	.06752	.1	35	20	F
1,3-dichloropropane	.41055	.40553	.05	1	20	
tetrachloroethene	.54918	.64551	.2	-18	20	
chlorodibromomethane	.26275	.29551	.1	-12	20	
1,2-dibromoethane	.21528	.22623	.1	-5	20	
chlorobenzene	1.3469	1.3109	.5	3	20	
1,1,1,2-tetrachloroethane	.39146	.39812	.05	-2	20	
ethyl benzene	2.4104	2.3189	.1	4	20	
p/m xylene	.97612	.96162	.1	1	20	
o xylene	.96041	.87165	.3	9	20	
styrene	1.5385	1.4577	.31	5	20	
isopropylbenzene	2.4862	2.2846	.1	8	20	
bromoform	.23103	.26831	.1	-16	20	
1,1,2,2,-tetrachloroethane	.38882	.37246	.3	4	20	
1,2,3-trichloropropane	.302	.28854	.05	4	20	
n-propylbenzene	4.2789	3.8355	.05	10	20	
bromobenzene	.85391	.9487	.05	-11	20	
1,3,5-trimethybenzene	3.1161	2.8363	.05	9	20	
2-chlorotoluene	2.8216	2.6372	.05	7	20	
4-chorotoluene	2.6385	2.5350	.05	4	20	
tert-butylbenzene	2.7401	2.4283	.05	11	20	
1,2,4-trimethylbenzene	3.1459	2.9391	.05	7	20	
sec-butylbenzene	3.7202	3.2096	.05	14	20	
p-isopropyltoluene	3.1690	2.9316	.05	7	20	
1,3-dichlorobenzene	1.7564	1.8203	.6	-4	20	
1,4-dichlorobenzene	1.7757	1.8307	.5	-3	20	
n-butylbenzene	3.0962	2.5898	.05	16	20	
1,2-dichlorobenzene	1.4995	1.5517	.4	-3	20	
1,2-dibromo-3-chloropropane	.05659	.04715	.05	17	20	
1,2,4-trichlorobenzene	.83258	.72751	.2	13	20	
hexachlorobutadiene	.4051	.43244	.05	-7	20	
naphthalene	1.3212	.94134	.05	29	20	F
1,2,3-trichlorobenzene	.61394	.52772	.05	14	20	
dibromofluoromethane	.23183	.24675	.05	-6	20	
1,2-dichloroethane-d4	.19112	.19815	.05	-4	20	
toluene-d8	1.2966	1.2318	.05	5	20	
4-bromofluorobenzene	.84277	.76112	.05	10	20	

FORM VII MCP-8260-10

ANALYTICAL REPORT

Lab Number:	L1105912
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	David Sullivan
Phone:	(978) 656-3565
Project Name:	NEW BEDFORD
Project Number:	115058
Report Date:	05/04/11

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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: NEW BEDFORD
Project Number: 115058

Lab Number: L1105912
Report Date: 05/04/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1105912-01	MW-32	NBHS	04/28/11 16:30
L1105912-02	MW-16	NBHS	04/28/11 16:50
L1105912-03	SAND TRAP	NBHS	04/28/11 18:00
L1105912-04	MW-5D	NBHS	04/28/11 18:35
L1105912-05	MW-18	NBHS	04/28/11 18:45
L1105912-06	MW-28	NBHS	04/28/11 19:35
L1105912-07	CLEAN OUT	NBHS	04/28/11 19:45
L1105912-08	MW-27D	NBHS	04/29/11 15:10
L1105912-09	DUP-1	NBHS	04/29/11 16:10
L1105912-10	MW-5	NBHS	04/29/11 16:45
L1105912-11	MW-27R	NBHS	04/29/11 17:05
L1105912-12	TRIP BLANK	NBHS	04/28/11 00:00

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

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: NEW BEDFORD **Lab Number:** L1105912
Project Number: 115058 **Report Date:** 05/04/11

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

L1105912-01, -06 and -11 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

In reference to question G:

L1105912-01 and -11: All of the target analytes did not achieve the requested CAM reporting limits.

L1105912-02 through -05, -07 through -10 and -12: Tetrahydrofuran did not achieve the requested CAM reporting limits.

L1105912-06: All analytes, with the exception of Vinyl chloride, trans-1,2-Dichloroethene, Trichloroethene and cis-1,2-Dichloroethene, did not achieve the requested CAM reporting limits.

Project Name: NEW BEDFORD **Lab Number:** L1105912
Project Number: 115058 **Report Date:** 05/04/11

Case Narrative (continued)

In reference to question H:
The WG465846-4/-5 LCS/LCSD recoveries, associated with L1105912-01 and -03 through -10, are below the acceptance criteria for 2-Hexanone (64%/64%); however, it has been identified as a "difficult" analyte and is within the 40-160% acceptance limits. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.
The WG465846-4/-5 LCS/LCSD recoveries, associated with L1105912-01 and -03 through -10, are above the individual acceptance criteria for Trichlorofluoromethane (131%/134%), but within the overall method allowances. The results of the associated samples are reported; however, all positive detects are considered to have a potentially high bias for this compound.
The WG466025-1 LCS recovery, associated with L1105912-02 and -12, is below the individual acceptance criteria for Chloroethane (66%), but within the overall method allowances. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.
The WG466025-1/-2 LCS/LCSD RPD, associated with L1105912-02 and -12, is above the acceptance criteria for Dichlorodifluoromethane (23%); however, the individual LCS/LCSD recoveries are within method limits.
The WG466115-1/-2 LCS/LCSD RPDs, associated with L1105912-11, are above the acceptance criteria for Trichlorofluoromethane (21%), 1,1-Dichloropropene (21%), Bromomethane (24%), Vinyl chloride (21%), Chloroethane (21%), 1,1-Dichloroethene (22%), Carbon disulfide (23%) and Hexachlorobutadiene (22%); however, the individual LCS/LCSD recoveries are within method limits.
The initial calibration, associated with L1105912-01 and -03 through -10, did not meet the method required minimum response factors on the lowest calibration standards for 2-Butanone (0.06976), 4-Methyl-2-pentanone (0.05668) and 1,4-Dioxane (0.00134), as well as the average response factor for 2-Butanone, 4-Methyl-2-pentanone and 1,4-Dioxane. In addition, a quadratic fit was utilized for Acetone and Tetrahydrofuran.
The initial calibration, associated with L1105912-02 and -12, did not meet the method required minimum response factors on the lowest calibration standards for 1,4-Dioxane (0.0496), as well as the average response factor for 1,4-Dioxane.
The initial calibration, associated with L1105912-11, did not meet the method required minimum response factors on the lowest calibration standards for 1,4-Dioxane (0.00417), as well as the average response factor

Project Name:	NEW BEDFORD	**Lab Number:**	L1105912
Project Number:	115058	**Report Date:**	05/04/11

Case Narrative (continued)

for 1,4-Dioxane.

The continuing calibration standards, associated with L1105912-01 through -12, are outside the acceptance criteria for several compounds; however, they are within overall method allowances. Copies of the continuing calibration standards are included as an addendum to this report.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 05/04/11

ORGANICS

VOLATILES

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-01	D	Date Collected:	04/28/11 16:30
Client ID:	MW-32		Date Received:	04/29/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	05/03/11 12:25			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	400	--	200
1,1-Dichloroethane	ND		ug/l	200	--	200
Chloroform	ND		ug/l	200	--	200
Carbon tetrachloride	ND		ug/l	200	--	200
1,2-Dichloropropane	ND		ug/l	200	--	200
Dibromochloromethane	ND		ug/l	200	--	200
1,1,2-Trichloroethane	ND		ug/l	200	--	200
Tetrachloroethene	ND		ug/l	200	--	200
Chlorobenzene	ND		ug/l	200	--	200
Trichlorofluoromethane	ND		ug/l	400	--	200
1,2-Dichloroethane	ND		ug/l	200	--	200
1,1,1-Trichloroethane	ND		ug/l	200	--	200
Bromodichloromethane	ND		ug/l	200	--	200
trans-1,3-Dichloropropene	ND		ug/l	100	--	200
cis-1,3-Dichloropropene	ND		ug/l	100	--	200
1,1-Dichloropropene	ND		ug/l	400	--	200
Bromoform	ND		ug/l	400	--	200
1,1,2,2-Tetrachloroethane	ND		ug/l	200	--	200
Benzene	ND		ug/l	200	--	200
Toluene	ND		ug/l	200	--	200
Ethylbenzene	ND		ug/l	200	--	200
Chloromethane	ND		ug/l	400	--	200
Bromomethane	ND		ug/l	400	--	200
Vinyl chloride	ND		ug/l	200	--	200
Chloroethane	ND		ug/l	400	--	200
1,1-Dichloroethene	ND		ug/l	200	--	200
trans-1,2-Dichloroethene	ND		ug/l	200	--	200
Trichloroethene	4700		ug/l	200	--	200
1,2-Dichlorobenzene	ND		ug/l	200	--	200
1,3-Dichlorobenzene	ND		ug/l	200	--	200
1,4-Dichlorobenzene	ND		ug/l	200	--	200

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-01 D Date Collected: 04/28/11 16:30

Client ID: MW-32 Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	400	--	200
p/m-Xylene	ND		ug/l	400	--	200
o-Xylene	ND		ug/l	200	--	200
cis-1,2-Dichloroethene	250		ug/l	200	--	200
Dibromomethane	ND		ug/l	400	--	200
1,2,3-Trichloropropane	ND		ug/l	400	--	200
Styrene	ND		ug/l	200	--	200
Dichlorodifluoromethane	ND		ug/l	400	--	200
Acetone	ND		ug/l	1000	--	200
Carbon disulfide	ND		ug/l	400	--	200
2-Butanone	ND		ug/l	1000	--	200
4-Methyl-2-pentanone	ND		ug/l	1000	--	200
2-Hexanone	ND		ug/l	1000	--	200
Bromochloromethane	ND		ug/l	400	--	200
Tetrahydrofuran	ND		ug/l	1000	--	200
2,2-Dichloropropane	ND		ug/l	400	--	200
1,2-Dibromoethane	ND		ug/l	400	--	200
1,3-Dichloropropane	ND		ug/l	400	--	200
1,1,1,2-Tetrachloroethane	ND		ug/l	200	--	200
Bromobenzene	ND		ug/l	400	--	200
n-Butylbenzene	ND		ug/l	400	--	200
sec-Butylbenzene	ND		ug/l	400	--	200
tert-Butylbenzene	ND		ug/l	400	--	200
o-Chlorotoluene	ND		ug/l	400	--	200
p-Chlorotoluene	ND		ug/l	400	--	200
1,2-Dibromo-3-chloropropane	ND		ug/l	400	--	200
Hexachlorobutadiene	ND		ug/l	120	--	200
Isopropylbenzene	ND		ug/l	400	--	200
p-Isopropyltoluene	ND		ug/l	400	--	200
Naphthalene	ND		ug/l	400	--	200
n-Propylbenzene	ND		ug/l	400	--	200
1,2,3-Trichlorobenzene	ND		ug/l	400	--	200
1,2,4-Trichlorobenzene	ND		ug/l	400	--	200
1,3,5-Trimethylbenzene	ND		ug/l	400	--	200
1,2,4-Trimethylbenzene	ND		ug/l	400	--	200
Ethyl ether	ND		ug/l	400	--	200
Isopropyl Ether	ND		ug/l	400	--	200
Ethyl-Tert-Butyl-Ether	ND		ug/l	400	--	200
Tertiary-Amyl Methyl Ether	ND		ug/l	400	--	200

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-01 D Date Collected: 04/28/11 16:30

Client ID: MW-32 Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	50000	--	200

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	113		70-130

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-02	Date Collected:	04/28/11 16:50
Client ID:	MW-16	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/03/11 12:00		
Analyst:	MM		

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
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-02 Date Collected: 04/28/11 16:50

Client ID: MW-16 Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.0	--	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
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

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-02	Date Collected:	04/28/11 16:50
Client ID:	MW-16	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	102		70-130

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-03	Date Collected:	04/28/11 18:00
Client ID:	SAND TRAP	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/03/11 12:57		
Analyst:	MM		

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	22		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-03 Date Collected: 04/28/11 18:00

Client ID: SAND TRAP Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	1.2		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	5.0	--	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
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

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-03	Date Collected:	04/28/11 18:00
Client ID:	SAND TRAP	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	116		70-130

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-04	Date Collected:	04/28/11 18:35
Client ID:	MW-5D	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/03/11 13:28		
Analyst:	MM		

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	3.5		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-04 Date Collected: 04/28/11 18:35

Client ID: MW-5D Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.0	--	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
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

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-04 Date Collected: 04/28/11 18:35

Client ID: MW-5D Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	114		70-130

Project Name: NEW BEDFORD
Project Number: 115058
Lab Number: L1105912
Report Date: 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-05	Date Collected:	04/28/11 18:45
Client ID:	MW-18	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/03/11 13:59		
Analyst:	MM		

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
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-05 Date Collected: 04/28/11 18:45

Client ID: MW-18 Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.0	--	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
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

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-05 Date Collected: 04/28/11 18:45

Client ID: MW-18 Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	111		70-130

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-06	D	Date Collected:	04/28/11 19:35
Client ID:	MW-28		Date Received:	04/29/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	05/03/11 14:31			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	10	--	5
1,1-Dichloroethane	ND		ug/l	5.0	--	5
Chloroform	ND		ug/l	5.0	--	5
Carbon tetrachloride	ND		ug/l	5.0	--	5
1,2-Dichloropropane	ND		ug/l	5.0	--	5
Dibromochloromethane	ND		ug/l	5.0	--	5
1,1,2-Trichloroethane	ND		ug/l	5.0	--	5
Tetrachloroethene	ND		ug/l	5.0	--	5
Chlorobenzene	ND		ug/l	5.0	--	5
Trichlorofluoromethane	ND		ug/l	10	--	5
1,2-Dichloroethane	ND		ug/l	5.0	--	5
1,1,1-Trichloroethane	ND		ug/l	5.0	--	5
Bromodichloromethane	ND		ug/l	5.0	--	5
trans-1,3-Dichloropropene	ND		ug/l	2.5	--	5
cis-1,3-Dichloropropene	ND		ug/l	2.5	--	5
1,1-Dichloropropene	ND		ug/l	10	--	5
Bromoform	ND		ug/l	10	--	5
1,1,2,2-Tetrachloroethane	ND		ug/l	5.0	--	5
Benzene	ND		ug/l	5.0	--	5
Toluene	ND		ug/l	5.0	--	5
Ethylbenzene	ND		ug/l	5.0	--	5
Chloromethane	ND		ug/l	10	--	5
Bromomethane	ND		ug/l	10	--	5
Vinyl chloride	7.4		ug/l	5.0	--	5
Chloroethane	ND		ug/l	10	--	5
1,1-Dichloroethene	ND		ug/l	5.0	--	5
trans-1,2-Dichloroethene	12		ug/l	5.0	--	5
Trichloroethene	150		ug/l	5.0	--	5
1,2-Dichlorobenzene	ND		ug/l	5.0	--	5
1,3-Dichlorobenzene	ND		ug/l	5.0	--	5
1,4-Dichlorobenzene	ND		ug/l	5.0	--	5

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-06 D Date Collected: 04/28/11 19:35

Client ID: MW-28 Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	10	--	5
p/m-Xylene	ND		ug/l	10	--	5
o-Xylene	ND		ug/l	5.0	--	5
cis-1,2-Dichloroethene	56		ug/l	5.0	--	5
Dibromomethane	ND		ug/l	10	--	5
1,2,3-Trichloropropane	ND		ug/l	10	--	5
Styrene	ND		ug/l	5.0	--	5
Dichlorodifluoromethane	ND		ug/l	10	--	5
Acetone	ND		ug/l	25	--	5
Carbon disulfide	ND		ug/l	10	--	5
2-Butanone	ND		ug/l	25	--	5
4-Methyl-2-pentanone	ND		ug/l	25	--	5
2-Hexanone	ND		ug/l	25	--	5
Bromochloromethane	ND		ug/l	10	--	5
Tetrahydrofuran	ND		ug/l	25	--	5
2,2-Dichloropropane	ND		ug/l	10	--	5
1,2-Dibromoethane	ND		ug/l	10	--	5
1,3-Dichloropropane	ND		ug/l	10	--	5
1,1,1,2-Tetrachloroethane	ND		ug/l	5.0	--	5
Bromobenzene	ND		ug/l	10	--	5
n-Butylbenzene	ND		ug/l	10	--	5
sec-Butylbenzene	ND		ug/l	10	--	5
tert-Butylbenzene	ND		ug/l	10	--	5
o-Chlorotoluene	ND		ug/l	10	--	5
p-Chlorotoluene	ND		ug/l	10	--	5
1,2-Dibromo-3-chloropropane	ND		ug/l	10	--	5
Hexachlorobutadiene	ND		ug/l	3.0	--	5
Isopropylbenzene	ND		ug/l	10	--	5
p-Isopropyltoluene	ND		ug/l	10	--	5
Naphthalene	ND		ug/l	10	--	5
n-Propylbenzene	ND		ug/l	10	--	5
1,2,3-Trichlorobenzene	ND		ug/l	10	--	5
1,2,4-Trichlorobenzene	ND		ug/l	10	--	5
1,3,5-Trimethylbenzene	ND		ug/l	10	--	5
1,2,4-Trimethylbenzene	ND		ug/l	10	--	5
Ethyl ether	ND		ug/l	10	--	5
Isopropyl Ether	ND		ug/l	10	--	5
Ethyl-Tert-Butyl-Ether	ND		ug/l	10	--	5
Tertiary-Amyl Methyl Ether	ND		ug/l	10	--	5

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-06 D Date Collected: 04/28/11 19:35

Client ID: MW-28 Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	1200	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	111		70-130

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-07	Date Collected:	04/28/11 19:45
Client ID:	CLEAN OUT	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/03/11 15:02		
Analyst:	MM		

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
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-07 Date Collected: 04/28/11 19:45

Client ID: CLEAN OUT Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.0	--	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
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

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-07	Date Collected:	04/28/11 19:45
Client ID:	CLEAN OUT	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	113		70-130

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-08	Date Collected:	04/29/11 15:10
Client ID:	MW-27D	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/03/11 15:33		
Analyst:	MM		

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	3.8		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-08 Date Collected: 04/29/11 15:10

Client ID: MW-27D Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.0	--	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
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

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-08 Date Collected: 04/29/11 15:10

Client ID: MW-27D Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	114		70-130

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-09	Date Collected:	04/29/11 16:10
Client ID:	DUP-1	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/03/11 16:05		
Analyst:	MM		

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	3.8		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-09 Date Collected: 04/29/11 16:10

Client ID: DUP-1 Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.0	--	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
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

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-09	Date Collected:	04/29/11 16:10
Client ID:	DUP-1	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	114		70-130

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-10	Date Collected:	04/29/11 16:45
Client ID:	MW-5	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/03/11 16:36		
Analyst:	MM		

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	4.4		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-10 Date Collected: 04/29/11 16:45

Client ID: MW-5 Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.1		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	5.0	--	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
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

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-10	Date Collected:	04/29/11 16:45
Client ID:	MW-5	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	110		70-130

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-11	D	Date Collected:	04/29/11 17:05
Client ID:	MW-27R		Date Received:	04/29/11
Sample Location:	NBHS		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	97,8260B			
Analytical Date:	05/04/11 09:05			
Analyst:	MM			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	1000	--	500
1,1-Dichloroethane	ND		ug/l	500	--	500
Chloroform	ND		ug/l	500	--	500
Carbon tetrachloride	ND		ug/l	500	--	500
1,2-Dichloropropane	ND		ug/l	500	--	500
Dibromochloromethane	ND		ug/l	500	--	500
1,1,2-Trichloroethane	ND		ug/l	500	--	500
Tetrachloroethene	ND		ug/l	500	--	500
Chlorobenzene	ND		ug/l	500	--	500
Trichlorofluoromethane	ND		ug/l	1000	--	500
1,2-Dichloroethane	ND		ug/l	500	--	500
1,1,1-Trichloroethane	ND		ug/l	500	--	500
Bromodichloromethane	ND		ug/l	500	--	500
trans-1,3-Dichloropropene	ND		ug/l	250	--	500
cis-1,3-Dichloropropene	ND		ug/l	250	--	500
1,1-Dichloropropene	ND		ug/l	1000	--	500
Bromoform	ND		ug/l	1000	--	500
1,1,2,2-Tetrachloroethane	ND		ug/l	500	--	500
Benzene	ND		ug/l	500	--	500
Toluene	ND		ug/l	500	--	500
Ethylbenzene	ND		ug/l	500	--	500
Chloromethane	ND		ug/l	1000	--	500
Bromomethane	ND		ug/l	1000	--	500
Vinyl chloride	ND		ug/l	500	--	500
Chloroethane	ND		ug/l	1000	--	500
1,1-Dichloroethene	ND		ug/l	500	--	500
trans-1,2-Dichloroethene	1400		ug/l	500	--	500
Trichloroethene	38000		ug/l	500	--	500
1,2-Dichlorobenzene	ND		ug/l	500	--	500
1,3-Dichlorobenzene	ND		ug/l	500	--	500
1,4-Dichlorobenzene	ND		ug/l	500	--	500

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-11 D Date Collected: 04/29/11 17:05

Client ID: MW-27R Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	1000	--	500
p/m-Xylene	ND		ug/l	1000	--	500
o-Xylene	ND		ug/l	500	--	500
cis-1,2-Dichloroethene	4600		ug/l	500	--	500
Dibromomethane	ND		ug/l	1000	--	500
1,2,3-Trichloropropane	ND		ug/l	1000	--	500
Styrene	ND		ug/l	500	--	500
Dichlorodifluoromethane	ND		ug/l	1000	--	500
Acetone	ND		ug/l	2500	--	500
Carbon disulfide	ND		ug/l	1000	--	500
2-Butanone	ND		ug/l	2500	--	500
4-Methyl-2-pentanone	ND		ug/l	2500	--	500
2-Hexanone	ND		ug/l	2500	--	500
Bromochloromethane	ND		ug/l	1000	--	500
Tetrahydrofuran	ND		ug/l	2500	--	500
2,2-Dichloropropane	ND		ug/l	1000	--	500
1,2-Dibromoethane	ND		ug/l	1000	--	500
1,3-Dichloropropane	ND		ug/l	1000	--	500
1,1,1,2-Tetrachloroethane	ND		ug/l	500	--	500
Bromobenzene	ND		ug/l	1000	--	500
n-Butylbenzene	ND		ug/l	1000	--	500
sec-Butylbenzene	ND		ug/l	1000	--	500
tert-Butylbenzene	ND		ug/l	1000	--	500
o-Chlorotoluene	ND		ug/l	1000	--	500
p-Chlorotoluene	ND		ug/l	1000	--	500
1,2-Dibromo-3-chloropropane	ND		ug/l	1000	--	500
Hexachlorobutadiene	ND		ug/l	300	--	500
Isopropylbenzene	ND		ug/l	1000	--	500
p-Isopropyltoluene	ND		ug/l	1000	--	500
Naphthalene	ND		ug/l	1000	--	500
n-Propylbenzene	ND		ug/l	1000	--	500
1,2,3-Trichlorobenzene	ND		ug/l	1000	--	500
1,2,4-Trichlorobenzene	ND		ug/l	1000	--	500
1,3,5-Trimethylbenzene	ND		ug/l	1000	--	500
1,2,4-Trimethylbenzene	ND		ug/l	1000	--	500
Ethyl ether	ND		ug/l	1000	--	500
Isopropyl Ether	ND		ug/l	1000	--	500
Ethyl-Tert-Butyl-Ether	ND		ug/l	1000	--	500
Tertiary-Amyl Methyl Ether	ND		ug/l	1000	--	500

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-11	D	Date Collected:	04/29/11 17:05
Client ID:	MW-27R		Date Received:	04/29/11
Sample Location:	NBHS		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	120000	--	500

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-12	Date Collected:	04/28/11 00:00
Client ID:	TRIP BLANK	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	97,8260B		
Analytical Date:	05/03/11 11:28		
Analyst:	MM		

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
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID: L1105912-12 Date Collected: 04/28/11 00:00

Client ID: TRIP BLANK Date Received: 04/29/11

Sample Location: NBHS Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
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	5.0	--	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
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

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

SAMPLE RESULTS

Lab ID:	L1105912-12	Date Collected:	04/28/11 00:00
Client ID:	TRIP BLANK	Date Received:	04/29/11
Sample Location:	NBHS	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	104		70-130

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/03/11 08:14
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01,03-10 Batch: WG465846-6					
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: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/03/11 08:14
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01,03-10 Batch: WG465846-6					
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	5.0	--
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: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/03/11 08:14
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01,03-10 Batch: WG465846-6					
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	--
Vinyl acetate	ND		ug/l	2.5	--
2-Chloroethylvinyl ether	ND		ug/l	10	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	112		70-130

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/03/11 07:40
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 02,12 Batch: WG466025-3					
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: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/03/11 07:40
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 02,12 Batch: WG466025-3					
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	5.0	--
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: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/03/11 07:40
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 02,12 Batch: WG466025-3					
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	98		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	101		70-130

Project Name: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/04/11 08:00
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 11 Batch: WG466115-3					
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: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/04/11 08:00
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 11 Batch: WG466115-3					
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	5.0	--
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: NEW BEDFORD **Lab Number:** L1105912

Project Number: 115058 **Report Date:** 05/04/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260B
Analytical Date: 05/04/11 08:00
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 11 Batch: WG466115-3					
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	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1105912
Report Date: 05/04/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01,03-10 Batch: WG465846-4 WG465846-5								
Methylene chloride	104		104		70-130	0		20
1,1-Dichloroethane	93		95		70-130	2		20
Chloroform	107		106		70-130	1		20
Carbon tetrachloride	106		113		70-130	6		20
1,2-Dichloropropane	88		89		70-130	1		20
Dibromochloromethane	105		107		70-130	2		20
1,1,2-Trichloroethane	97		97		70-130	0		20
Tetrachloroethene	108		110		70-130	2		20
Chlorobenzene	92		93		70-130	1		20
Trichlorofluoromethane	**131**	Q	**134**	Q	70-130	2		20
1,2-Dichloroethane	111		109		70-130	2		20
1,1,1-Trichloroethane	104		106		70-130	2		20
Bromodichloromethane	106		107		70-130	1		20
trans-1,3-Dichloropropene	74		75		70-130	1		20
cis-1,3-Dichloropropene	82		83		70-130	1		20
1,1-Dichloropropene	99		102		70-130	3		20
Bromoform	101		106		70-130	5		20
1,1,2,2-Tetrachloroethane	89		90		70-130	1		20
Benzene	98		100		70-130	2		20
Toluene	90		91		70-130	1		20
Ethylbenzene	89		90		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1105912
Report Date: 05/04/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01,03-10 Batch: WG465846-4 WG465846-5								
Chloromethane	76		78		70-130	3		20
Bromomethane	92		85		70-130	8		20
Vinyl chloride	95		97		70-130	2		20
Chloroethane	101		99		70-130	2		20
1,1-Dichloroethene	105		107		70-130	2		20
trans-1,2-Dichloroethene	103		106		70-130	3		20
Trichloroethene	106		109		70-130	3		20
1,2-Dichlorobenzene	96		98		70-130	2		20
1,3-Dichlorobenzene	92		94		70-130	2		20
1,4-Dichlorobenzene	94		96		70-130	2		20
Methyl tert butyl ether	88		84		70-130	5		20
p/m-Xylene	91		93		70-130	2		20
o-Xylene	87		88		70-130	1		20
cis-1,2-Dichloroethene	107		107		70-130	0		20
Dibromomethane	116		109		70-130	6		20
1,2,3-Trichloropropane	89		90		70-130	1		20
Styrene	91		92		70-130	1		20
Dichlorodifluoromethane	75		78		70-130	4		20
Acetone	82		79		70-130	4		20
Carbon disulfide	85		86		70-130	1		20
2-Butanone	80		80		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1105912
Report Date: 05/04/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01,03-10 Batch: WG465846-4 WG465846-5								
4-Methyl-2-pentanone	78		72		70-130	8		20
2-Hexanone	**64**	Q	**64**	Q	70-130	0		20
Bromochloromethane	120		116		70-130	3		20
Tetrahydrofuran	73		74		70-130	1		20
2,2-Dichloropropane	93		94		70-130	1		20
1,2-Dibromoethane	102		101		70-130	1		20
1,3-Dichloropropane	95		94		70-130	1		20
1,1,1,2-Tetrachloroethane	94		97		70-130	3		20
Bromobenzene	99		102		70-130	3		20
n-Butylbenzene	74		75		70-130	1		20
sec-Butylbenzene	75		77		70-130	3		20
tert-Butylbenzene	78		80		70-130	3		20
o-Chlorotoluene	81		84		70-130	4		20
p-Chlorotoluene	83		85		70-130	2		20
1,2-Dibromo-3-chloropropane	86		89		70-130	3		20
Hexachlorobutadiene	98		102		70-130	4		20
Isopropylbenzene	86		86		70-130	0		20
p-Isopropyltoluene	80		82		70-130	2		20
Naphthalene	93		91		70-130	2		20
n-Propylbenzene	76		80		70-130	5		20
1,2,3-Trichlorobenzene	107		104		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1105912
Report Date: 05/04/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01,03-10 Batch: WG465846-4 WG465846-5								
1,2,4-Trichlorobenzene	102		101		70-130	1		20
1,3,5-Trimethylbenzene	78		81		70-130	4		20
1,2,4-Trimethylbenzene	82		83		70-130	1		20
Ethyl ether	107		97		70-130	10		20
Isopropyl Ether	80		79		70-130	1		20
Ethyl-Tert-Butyl-Ether	77		77		70-130	0		20
Tertiary-Amyl Methyl Ether	77		75		70-130	3		20
1,4-Dioxane	97		97		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		101		70-130
Toluene-d8	92		93		70-130
4-Bromofluorobenzene	85		89		70-130
Dibromofluoromethane	110		107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1105912
Report Date: 05/04/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 02,12 Batch: WG466025-1 WG466025-2								
Methylene chloride	96		97		70-130	1		20
1,1-Dichloroethane	94		97		70-130	3		20
Chloroform	90		93		70-130	3		20
Carbon tetrachloride	85		89		70-130	5		20
1,2-Dichloropropane	95		95		70-130	0		20
Dibromochloromethane	84		79		70-130	6		20
1,1,2-Trichloroethane	93		88		70-130	6		20
Tetrachloroethene	91		94		70-130	3		20
Chlorobenzene	83		85		70-130	2		20
Trichlorofluoromethane	81		82		70-130	1		20
1,2-Dichloroethane	90		90		70-130	0		20
1,1,1-Trichloroethane	88		90		70-130	2		20
Bromodichloromethane	88		88		70-130	0		20
trans-1,3-Dichloropropene	85		79		70-130	7		20
cis-1,3-Dichloropropene	88		87		70-130	1		20
1,1-Dichloropropene	92		94		70-130	2		20
Bromoform	82		79		70-130	4		20
1,1,2,2-Tetrachloroethane	89		88		70-130	1		20
Benzene	94		96		70-130	2		20
Toluene	88		90		70-130	2		20
Ethylbenzene	86		89		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1105912
Report Date: 05/04/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 02,12 Batch: WG466025-1 WG466025-2								
Chloromethane	94		96		70-130	2		20
Bromomethane	75		75		70-130	0		20
Vinyl chloride	98		102		70-130	4		20
Chloroethane	**66**	Q	70		70-130	6		20
1,1-Dichloroethene	83		86		70-130	4		20
trans-1,2-Dichloroethene	91		95		70-130	4		20
Trichloroethene	92		95		70-130	3		20
1,2-Dichlorobenzene	86		85		70-130	1		20
1,3-Dichlorobenzene	88		87		70-130	1		20
1,4-Dichlorobenzene	87		89		70-130	2		20
Methyl tert butyl ether	94		88		70-130	7		20
p/m-Xylene	88		90		70-130	2		20
o-Xylene	86		89		70-130	3		20
cis-1,2-Dichloroethene	94		97		70-130	3		20
Dibromomethane	99		94		70-130	5		20
1,2,3-Trichloropropane	90		89		70-130	1		20
Styrene	87		87		70-130	0		20
Dichlorodifluoromethane	81		102		70-130	**23**	Q	20
Acetone	106		95		70-130	11		20
Carbon disulfide	72		74		70-130	3		20
2-Butanone	109		92		70-130	17		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1105912
Report Date: 05/04/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 02,12 Batch: WG466025-1 WG466025-2								
4-Methyl-2-pentanone	101		91		70-130	10		20
2-Hexanone	91		80		70-130	13		20
Bromochloromethane	96		94		70-130	2		20
Tetrahydrofuran	110		102		70-130	8		20
2,2-Dichloropropane	87		90		70-130	3		20
1,2-Dibromoethane	92		87		70-130	6		20
1,3-Dichloropropane	92		89		70-130	3		20
1,1,1,2-Tetrachloroethane	82		84		70-130	2		20
Bromobenzene	88		90		70-130	2		20
n-Butylbenzene	93		90		70-130	3		20
sec-Butylbenzene	88		88		70-130	0		20
tert-Butylbenzene	86		88		70-130	2		20
o-Chlorotoluene	85		89		70-130	5		20
p-Chlorotoluene	83		89		70-130	7		20
1,2-Dibromo-3-chloropropane	79		83		70-130	5		20
Hexachlorobutadiene	92		91		70-130	1		20
Isopropylbenzene	85		85		70-130	0		20
p-Isopropyltoluene	93		91		70-130	2		20
Naphthalene	85		79		70-130	7		20
n-Propylbenzene	88		91		70-130	3		20
1,2,3-Trichlorobenzene	92		88		70-130	4		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1105912
Report Date: 05/04/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 02,12 Batch: WG466025-1 WG466025-2								
1,2,4-Trichlorobenzene	88		84		70-130	5		20
1,3,5-Trimethylbenzene	90		95		70-130	5		20
1,2,4-Trimethylbenzene	87		89		70-130	2		20
Ethyl ether	87		84		70-130	4		20
Isopropyl Ether	102		101		70-130	1		20
Ethyl-Tert-Butyl-Ether	101		96		70-130	5		20
Tertiary-Amyl Methyl Ether	107		102		70-130	5		20
1,4-Dioxane	101		88		70-130	14		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
Toluene-d8	96		98		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	95		97		70-130

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 11 Batch: WG466115-1 WG466115-2								
Methylene chloride	107		93		70-130	14		20
1,1-Dichloroethane	111		93		70-130	18		20
Chloroform	109		92		70-130	17		20
Carbon tetrachloride	104		85		70-130	20		20
1,2-Dichloropropane	107		93		70-130	14		20
Dibromochloromethane	94		83		70-130	12		20
1,1,2-Trichloroethane	97		89		70-130	9		20
Tetrachloroethene	108		89		70-130	19		20
Chlorobenzene	101		87		70-130	15		20
Trichlorofluoromethane	101		82		70-130	**21**	Q	20
1,2-Dichloroethane	99		89		70-130	11		20
1,1,1-Trichloroethane	107		89		70-130	18		20
Bromodichloromethane	105		88		70-130	18		20
trans-1,3-Dichloropropene	94		86		70-130	9		20
cis-1,3-Dichloropropene	98		87		70-130	12		20
1,1-Dichloropropene	112		91		70-130	**21**	Q	20
Bromoform	90		82		70-130	9		20
1,1,2,2-Tetrachloroethane	96		96		70-130	0		20
Benzene	113		96		70-130	16		20
Toluene	104		88		70-130	17		20
Ethylbenzene	106		90		70-130	16		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1105912
Report Date: 05/04/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 11 Batch: WG466115-1 WG466115-2								
Chloromethane	114		95		70-130	18		20
Bromomethane	106		83		70-130	**24**	Q	20
Vinyl chloride	121		98		70-130	**21**	Q	20
Chloroethane	94		76		70-130	**21**	Q	20
1,1-Dichloroethene	107		86		70-130	**22**	Q	20
trans-1,2-Dichloroethene	111		94		70-130	17		20
Trichloroethene	111		93		70-130	18		20
1,2-Dichlorobenzene	98		88		70-130	11		20
1,3-Dichlorobenzene	100		88		70-130	13		20
1,4-Dichlorobenzene	102		88		70-130	15		20
Methyl tert butyl ether	87		87		70-130	0		20
p/m-Xylene	107		88		70-130	19		20
o-Xylene	104		90		70-130	14		20
cis-1,2-Dichloroethene	110		94		70-130	16		20
Dibromomethane	106		99		70-130	7		20
1,2,3-Trichloropropane	98		96		70-130	2		20
Styrene	99		87		70-130	13		20
Dichlorodifluoromethane	118		97		70-130	20		20
Acetone	91		95		70-130	4		20
Carbon disulfide	89		71		70-130	**23**	Q	20
2-Butanone	88		95		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1105912
Report Date: 05/04/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 11 Batch: WG466115-1 WG466115-2								
4-Methyl-2-pentanone	79		92		70-130	15		20
2-Hexanone	76		80		70-130	5		20
Bromochloromethane	108		99		70-130	9		20
Tetrahydrofuran	96		103		70-130	7		20
2,2-Dichloropropane	106		87		70-130	20		20
1,2-Dibromoethane	98		92		70-130	6		20
1,3-Dichloropropane	101		93		70-130	8		20
1,1,1,2-Tetrachloroethane	100		88		70-130	13		20
Bromobenzene	106		92		70-130	14		20
n-Butylbenzene	100		84		70-130	17		20
sec-Butylbenzene	100		83		70-130	19		20
tert-Butylbenzene	100		85		70-130	16		20
o-Chlorotoluene	103		88		70-130	16		20
p-Chlorotoluene	101		86		70-130	16		20
1,2-Dibromo-3-chloropropane	88		84		70-130	5		20
Hexachlorobutadiene	109		87		70-130	**22**	Q	20
Isopropylbenzene	102		86		70-130	17		20
p-Isopropyltoluene	103		86		70-130	18		20
Naphthalene	89		89		70-130	0		20
n-Propylbenzene	104		88		70-130	17		20
1,2,3-Trichlorobenzene	96		90		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEW BEDFORD
Project Number: 115058

Lab Number: L1105912
Report Date: 05/04/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 11 Batch: WG466115-1 WG466115-2								
1,2,4-Trichlorobenzene	100		90		70-130	11		20
1,3,5-Trimethylbenzene	99		85		70-130	15		20
1,2,4-Trimethylbenzene	102		87		70-130	16		20
Ethyl ether	84		86		70-130	2		20
Isopropyl Ether	107		100		70-130	7		20
Ethyl-Tert-Butyl-Ether	100		94		70-130	6		20
Tertiary-Amyl Methyl Ether	99		100		70-130	1		20
1,4-Dioxane	81		81		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		93		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	98		101		70-130
Dibromofluoromethane	98		100		70-130

Project Name: NEW BEDFORD
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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(*)
L1105912-01A	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-01B	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-02A	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-02B	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-03A	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-03B	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-04A	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-04B	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-05A	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-05B	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-06A	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-06B	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-07A	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-07B	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-08A	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-08B	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-09A	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-09B	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-10A	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-10B	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-11A	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-11B	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)
L1105912-12A	Vial HCl preserved	A	N/A	6	Y	Absent	MCP-8260-10(14)

*Values in parentheses indicate holding time in days

Project Name:	NEW BEDFORD	**Lab Number:**	L1105912
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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.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
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

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Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

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

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

Report Format: Data Usability Report

Project Name: NEW BEDFORD **Lab Number:** L1105912
Project Number: 115058 **Report Date:** 05/04/11

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 February 23, 2011 - Westboro Facility

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

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

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

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

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 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); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, 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. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

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

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 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 NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 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, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

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

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 4/29/11

ALPHA Job #: L1105912

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Serial_No:05041113:46

Client Information

Client: TRC ENVIRONMENTAL
Address: 650 SUFFOLK ST
LOWELL MA
Phone: 978 656 3565
Fax:
Email: ALEONARD@TRCSOLUTIONS.COM DSULLIVAN
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: NEW BEDFORD.
Project Location: NBHS
Project #: 115058
Project Manager: DAVID SULLIVAN
ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved!) 3 DAY
Date Due: WED MAY 4TH Time: AM

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MCP Criteria MCP GW-2

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: VOCs BY 8260

SAMPLE HANDLING
Filtration
☐ Done
☑ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs BY 8260	Sample Specific Comments	TOTAL # BOTTLES
05912 1	MW-32	4/28	16:30	GW	JF ZR	✓		2
2	MW-16	4/28	16:50	GW	JF ZR	✓		2
3	SAND TRAP	4/28	18:00	GW	JF ZR	✓		2
4	MW-5D	4/28	18:35	GW	JF ZR	✓		2
5	MW-18	4/28	18:45	GW	JF ZR	✓		2
6	MW-28	4/28	19:35	GW	JF ZR	✓		2
7	CLEAN OUT	4/28	19:45	GW	JF ZR	✓		2
8	MW-27D	4/29	15:10	GW	JF ZR	✓		2
9	DUP-1	4/29	16:10	GW	JF ZR	✓		2
10	MW-5	4/29	16:45	GW	JF ZR	✓		2

Container Type	V
Preservative	B

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/29 19:55	[signature]	4/29/11 19:55

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

CHAIN OF CUSTODY

PAGE 2 OF 2

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/29/11

ALPHA Job #: L1105912

Client Information

Client: TRC ENVIRONMENTAL

Address: 650 SUFFOLK ST LOWELL MA,

Phone: 978 970 5600

Fax:

Email: SEE PG 1 OF 2

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: CITY OF NEW BEDFORD

Project Location: NBHS.

Project #: 115058

Project Manager: DAVID SULLIVAN

ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved!) 3 DAY

Date Due: WED MAY 4TH Time: AM

Report Information - Data Deliverables

☐ FAX ☑ EMAIL

☑ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program MCP Criteria MCP GW-2

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: VOCs BY 8260

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs BY 8260	Sample Specific Comments	TOTAL # BOTTLES
05912. 11	MW-27R	4/29	17:05	GW	JF ZR	✓		2
12	TRIP BLANK	-		DW		✓		1

Container Type	V
Preservative	B

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Jason C. Fiero	4/29 1955	[illegible]	4/29/11 1955

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

Serial No:05041113:46

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105912

Instrument ID: Quimby.i Calibration Date: 03-MAY-2011 Time: 06:39

Lab File ID: 0503A03 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.34924	.26296	.1	25	20	F
chloromethane	.35628	.27031	.1	24	20	F
vinyl chloride	.30181	.2877	.1	5	20	
bromomethane	.22898	.2095	.1	9	20	
chloroethane	.20794	.20978	.1	-1	20	
trichlorofluoromethane	.42568	.55736	.1	-31	20	F
ethyl ether	.12007	.12801	.05	-7	20	
acetone	100	81.513	.1	18	20	
1,1,-dichloroethene	.30271	.31769	.1	-5	20	
methylene chloride	.30372	.3148	.1	-4	20	
carbon disulfide	.91586	.77905	.1	15	20	
methyl tert butyl ether	.51963	.45453	.1	13	20	
Halothane	.25477	.2421	.05	5	20	
trans-1,2-dichloroethene	.34461	.35605	.1	-3	20	
vinyl acetate	.38582	.32287	.05	16	20	
Diisopropyl Ether	.81846	.65319	.05	20	20	F
1,1-dichloroethane	.58497	.54402	.2	7	20	
Ethyl-Tert-Butyl-Ether	.7021	.54286	.05	23	20	F
2-butanone	.05505	.04405	.1	20	20	F
2,2-dichloropropane	.38987	.36364	.05	7	20	
cis-1,2-dichloroethene	.36598	.39294	.1	-7	20	
chloroform	.55517	.59258	.2	-7	20	
bromochloromethane	.13826	.16657	.05	-20	20	F
tetrahydrofuran	100	73.313	.05	27	20	F
1,1,1-trichloroethane	.50175	.51958	.1	-4	20	
1,1-dichloropropene	.47777	.47312	.05	1	20	
carbontetrachloride	.40299	.42789	.1	-6	20	
Tertiary-Amyl Methyl Ether	.59124	.45655	.05	23	20	F
1,2-dichloroethane	.29658	.32963	.1	-11	20	
benzene	1.4222	1.3932	.5	2	20	
trichloroethene	.35492	.3777	.2	-6	20	
1,2-dichloropropane	.31236	.2759	.1	12	20	
bromodichloromethane	.34843	.36787	.2	-6	20	
1,4-dioxane	.00121	.00118	.05	3	20	F
dibromomethane	.12614	.1459	.05	-16	20	
2-chloroethylvinyl ether	.10568	.06634	.05	37	20	F
4-methyl-2-pentanone	.05144	.04019	.1	22	20	F
cis-1,3-dichloropropene	.449	.36889	.2	18	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105912

Instrument ID: Quimby.i Calibration Date: 03-MAY-2011 Time: 06:39

Lab File ID: 0503A03 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
toluene	1.1887	1.0647	.4	10	20	
trans-1,3-dichloropropene	.40626	.30139	.1	26	20	F
1,1,2-trichloroethane	.18806	.18298	.1	3	20	
2-hexanone	.10447	.06731	.1	36	20	F
1,3-dichloropropane	.41055	.38889	.05	5	20	
tetrachloroethene	.54918	.5933	.2	-8	20	
chlorodibromomethane	.26275	.27609	.1	-5	20	
1,2-dibromoethane	.21528	.21975	.1	-2	20	
chlorobenzene	1.3469	1.2383	.5	8	20	
1,1,1,2-tetrachloroethane	.39146	.3679	.05	6	20	
ethyl benzene	2.4104	2.1375	.1	11	20	
p/m xylene	.97612	.88958	.1	9	20	
o xylene	.96041	.83889	.3	13	20	
styrene	1.5385	1.3937	.31	9	20	
isopropylbenzene	2.4862	2.1436	.1	14	20	
bromoform	.23103	.23423	.1	-1	20	
1,1,2,2,-tetrachloroethane	.38882	.34669	.3	11	20	
1,2,3-trichloropropane	.302	.26925	.05	11	20	
n-propylbenzene	4.2789	3.2754	.05	23	20	F
bromobenzene	.85391	.84813	.05	1	20	
1,3,5-trimethybenzene	3.1161	2.4266	.05	22	20	F
2-chlorotoluene	2.8216	2.2907	.05	19	20	
4-chorotoluene	2.6385	2.1977	.05	17	20	
tert-butylbenzene	2.7401	2.1293	.05	22	20	F
1,2,4-trimethylbenzene	3.1459	2.5647	.05	18	20	
sec-butylbenzene	3.7202	2.7905	.05	25	20	F
p-isopropyltoluene	3.1690	2.5451	.05	20	20	
1,3-dichlorobenzene	1.7564	1.6159	.6	8	20	
1,4-dichlorobenzene	1.7757	1.6607	.5	6	20	
n-butylbenzene	3.0962	2.2855	.05	26	20	F
1,2-dichlorobenzene	1.4995	1.4328	.4	4	20	
1,2-dibromo-3-chloropropane	.05659	.0488	.05	14	20	
1,2,4-trichlorobenzene	.83258	.84813	.2	-2	20	
hexachlorobutadiene	.4051	.39674	.05	2	20	
naphthalene	1.3212	1.2337	.05	7	20	
1,2,3-trichlorobenzene	.61394	.65594	.05	-7	20	
dibromofluoromethane	.23183	.25432	.05	-10	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105912

Instrument ID: Quimby.i Calibration Date: 03-MAY-2011 Time: 06:39

Lab File ID: 0503A03 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D
1,2-dichloroethane-d4	.19112	.20532	.05	-7	20
toluene-d8	1.2966	1.1968	.05	8	20
4-bromofluorobenzene	.84277	.71543	.05	15	20

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105912

Instrument ID: Jack.i Calibration Date: 04-MAY-2011 Time: 06:23

Lab File ID: 0504A01 Init. Calib. Date(s): 25-APR-2 25-APR-2

Sample No: 8260 CCAL Init. Calib. Times : 05:52 09:38

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.59788	.70373	.1	-18	20	
chloromethane	.75472	.86316	.1	-14	20	
vinyl chloride	.70601	.85516	.1	-21	20	F
bromomethane	.41116	.43607	.1	-6	20	
chloroethane	.43715	.41052	.1	6	20	
trichlorofluoromethane	1.0399	1.0466	.1	-1	20	
ethyl ether	.33321	.28108	.05	16	20	
1,1,-dichloroethene	.61853	.66405	.1	-7	20	
carbon disulfide	1.8758	1.6731	.1	11	20	
freon-113	.67079	.50034	.1	25	20	F
iodomethane	100	57.547	.05	42	20	F
acrolien	.02518	.06204	.05	-146	20	F
methylene chloride	.70233	.75479	.1	-7	20	
acetone	.14338	.12985	.1	9	20	
trans-1,2-dichloroethene	.6843	.7587	.1	-11	20	
methyl acetate	.38171	.28952	.1	24	20	F
methyl tert butyl ether	1.6661	1.4568	.1	13	20	
tert butyl alcohol	.04522	.04706	.05	-4	20	F
Diisopropyl Ether	1.9579	2.0912	.01	-7	20	
1,1-dichloroethane	1.2796	1.4194	.2	-11	20	
Halothane	.50027	.43291	.05	13	20	
Ethyl-Tert-Butyl-Ether	1.8868	1.8849	.05	0	20	
vinyl acetate	1.0575	1.1625	.05	-10	20	
cis-1,2-dichloroethene	.77173	.85183	.1	-10	20	
2,2-dichloropropane	1.1471	1.2110	.05	-6	20	
bromochloromethane	.34232	.37057	.05	-8	20	
chloroform	1.2898	1.4116	.2	-9	20	
carbontetrachloride	1.0052	1.0456	.1	-4	20	
ethyl acetate	.25907	.36064	.05	-39	20	F
tetrahydrofuran	.13944	.13376	.05	4	20	
1,1,1-trichloroethane	1.1433	1.2272	.1	-7	20	
1,1-dichloropropene	1.0140	1.1347	.05	-12	20	
2-butanone	.2114	.18507	.1	12	20	
benzene	2.9388	3.3212	.5	-13	20	
Tertiary-Amyl Methyl Ether	1.5872	1.5672	.05	1	20	
1,2-dichloroethane	.92702	.91593	.1	1	20	
trichloroethene	.77411	.85815	.2	-11	20	
dibromomethane	.37645	.40092	.05	-7	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105912

Instrument ID: Jack.i Calibration Date: 04-MAY-2011 Time: 06:23

Lab File ID: 0504A01 Init. Calib. Date(s): 25-APR-2 25-APR-2

Sample No: 8260 CCAL Init. Calib. Times : 05:52 09:38

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
1,2-dichloropropane	.73152	.78049	.1	-7	20	
bromodichloromethane	.98116	1.0280	.2	-5	20	
1,4-dioxane	.00422	.00341	.05	19	20	F
2-chloroethylvinyl ether	.26575	.27303	.05	-3	20	
cis-1,3-dichloropropene	1.1845	1.1642	.2	2	20	
toluene	2.4211	2.5153	.4	-4	20	
tetrachloroethene	1.0905	1.1813	.2	-8	20	
4-methyl-2-pentanone	.18018	.14256	.1	21	20	F
trans-1,3-dichloropropene	1.2748	1.1980	.1	6	20	
1,1,2-trichloroethane	.60698	.591	.1	3	20	
chlorodibromomethane	.85002	.80122	.1	6	20	
1,3-dichloropropane	1.2207	1.2292	.05	-1	20	
1,2-dibromoethane	.70585	.69394	.1	2	20	
2-hexanone	.41072	.31002	.1	25	20	F
chlorobenzene	2.7052	2.7416	.5	-1	20	
ethyl benzene	4.7167	5.0241	.1	-7	20	
1,1,1,2-tetrachloroethane	.97348	.97513	.05	0	20	
p/m xylene	1.8231	1.9539	.1	-7	20	
o xylene	1.7561	1.8181	.3	-4	20	
bromoform	.93089	.83762	.1	10	20	
styrene	2.9805	2.9583	.3	1	20	
isopropylbenzene	4.7038	4.8055	.1	-2	20	
bromobenzene	2.0049	2.1369	.05	-7	20	
n-propylbenzene	9.3406	9.7415	.05	-4	20	
1,1,2,2,-tetrachloroethane	1.4738	1.4159	.3	4	20	
4-ethyltoluene	7.0926	7.5650	.05	-7	20	
2-chlorotoluene	6.3284	6.5126	.05	-3	20	
1,2,3-trichloropropane	1.1735	1.1559	.05	1	20	
1,3,5-trimethybenzene	6.4971	6.4338	.05	1	20	
trans-1,4-dichloro-2-butene	.41531	.32318	.05	22	20	F
4-chorotoluene	5.8767	5.9508	.05	-1	20	
1,2,4-trimethylbenzene	6.5088	6.6067	.05	-2	20	
sec-butylbenzene	7.7668	7.7684	.01	0	20	
tert-butylbenzene	5.4975	5.5061	.05	0	20	
p-isopropyltoluene	6.4040	6.6081	.05	-3	20	
1,3-dichlorobenzene	3.6965	3.7084	.6	0	20	
1,4-dichlorobenzene	3.7129	3.7812	.5	-2	20	
p-diethylbenzene	3.1806	3.4008	.05	-7	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105912

Instrument ID: Jack.i Calibration Date: 04-MAY-2011 Time: 06:23

Lab File ID: 0504A01 Init. Calib. Date(s): 25-APR-2 25-APR-2

Sample No: 8260 CCAL Init. Calib. Times : 05:52 09:38

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
n-butylbenzene	5.4320	5.4045	.05	1	20	
1,2-dichlorobenzene	3.3871	3.3347	.4	2	20	
1,2,4,5-tetramethylbenzene	4.5311	4.6472	.05	-3	20	
1,2-dibromo-3-chloropropane	.23244	.2056	.05	12	20	
1,3,5-trichlorobenzene	1.0853	.83691	.05	23	20	F
1,2,4-trichlorobenzene	1.7108	1.7080	.2	0	20	
hexachlorobutadiene	.76385	.83134	.05	-9	20	
naphthalene	3.4797	3.1030	.05	11	20	
1,2,3-trichlorobenzene	1.4027	1.3479	.05	4	20	
dibromofluoromethane	.26678	.26263	.05	2	20	
1,2-dichloroethane-d4	.31839	.27656	.05	13	20	
toluene-d8	1.3403	1.2926	.01	4	20	
4-bromofluorobenzene	.923	.90263	.05	2	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105912

Instrument ID: Jack.i Calibration Date: 03-MAY-2011 Time: 06:36

Lab File ID: 0503A02 Init. Calib. Date(s): 25-APR-2 25-APR-2

Sample No: 8260 ccal Init. Calib. Times : 06:08 09:55

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.59927	.48361	.1	19	20	
chloromethane	.80529	.75313	.1	6	20	
vinyl chloride	.72026	.70473	.1	2	20	
bromomethane	.50777	.383	.1	25	20	F
chloroethane	.4638	.30846	.1	33	20	F
trichlorofluoromethane	1.0448	.84373	.1	19	20	
ethyl ether	.31792	.27565	.05	13	20	
1,1,-dichloroethene	.62459	.51666	.1	17	20	
carbon disulfide	1.9218	1.3775	.05	28	20	F
methylene chloride	.67588	.64712	.05	4	20	
acetone	100	106	.1	-6	20	
trans-1,2-dichloroethene	.67661	.61816	.1	9	20	
methyl tert butyl ether	1.5294	1.4329	.1	6	20	
Ethyl-Tert-Butyl-Ether	1.6917	1.7032	.05	-1	20	
Diisopropyl Ether	1.7761	1.8054	.05	-2	20	
1,1-dichloroethane	1.2543	1.1758	.2	6	20	
cis-1,2-dichloroethene	.75374	.70466	.1	7	20	
2,2-dichloropropane	1.1358	.98947	.05	13	20	
bromochloromethane	.33874	.32583	.05	4	20	
chloroform	1.2690	1.1413	.2	10	20	
carbontetrachloride	.98442	.83311	.1	15	20	
tetrahydrofuran	.13015	.14308	.05	-10	20	
1,1,1-trichloroethane	1.1202	.9814	.1	12	20	
Tertiary-Amyl Methyl Ether	1.383	1.4750	.05	-7	20	
1,1-dichloropropene	.98934	.90552	.05	8	20	
2-butanone	.19283	.20981	.1	-9	20	
benzene	2.8126	2.6487	.5	6	20	
1,2-dichloroethane	.89615	.80694	.1	10	20	
trichloroethene	.73259	.67689	.2	8	20	
dibromomethane	.37072	.36776	.05	1	20	
1,2-dichloropropane	.69691	.66107	.1	5	20	
bromodichloromethane	1.0031	.88242	.2	12	20	
1,4-dioxane	.00417	.0042	.05	-1	20	F
cis-1,3-dichloropropene	1.0916	.96153	.2	12	20	
toluene	2.2856	2.0046	.4	12	20	
tetrachloroethene	1.0324	.93682	.2	9	20	
4-methyl-2-pentanone	.15674	.15812	.1	-1	20	
trans-1,3-dichloropropene	1.2172	1.0292	.1	15	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105912

Instrument ID: Jack.i Calibration Date: 03-MAY-2011 Time: 06:36

Lab File ID: 0503A02 Init. Calib. Date(s): 25-APR-2 25-APR-2

Sample No: 8260 ccal Init. Calib. Times : 06:08 09:55

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D	
1,1,2-trichloroethane	.56271	.52237	.1	7	20	
chlorodibromomethane	.80458	.67625	.1	16	20	
1,3-dichloropropane	1.1612	1.0701	.05	8	20	
1,2-dibromoethane	.66941	.61516	.1	8	20	
2-hexanone	.35682	.32432	.1	9	20	
chlorobenzene	2.5648	2.1206	.5	17	20	
ethyl benzene	4.5883	3.9283	.1	14	20	
1,1,1,2-tetrachloroethane	.90148	.73904	.05	18	20	
p/m xylene	1.7612	1.5442	.1	12	20	
o xylene	1.6855	1.4502	.3	14	20	
styrene	2.7907	2.4243	.3	13	20	
bromoform	.82659	.67454	.1	18	20	
isopropylbenzene	4.5492	3.8764	.1	15	20	
bromobenzene	1.8321	1.6195	.05	12	20	
n-propylbenzene	8.6193	7.5965	.05	12	20	
1,1,2,2,-tetrachloroethane	1.3016	1.1642	.3	11	20	
2-chlorotoluene	5.7744	4.9324	.05	15	20	
1,2,3-trichloropropane	1.0513	.95197	.05	9	20	
1,3,5-trimethybenzene	6.5196	5.8966	.05	10	20	
4-chorotoluene	5.2671	4.3782	.05	17	20	
tert-butylbenzene	5.0884	4.3923	.05	14	20	
1,2,4-trimethylbenzene	5.9750	5.1828	.05	13	20	
sec-butylbenzene	7.2570	6.3647	.05	12	20	
p-isopropyltoluene	5.8417	5.4559	.05	7	20	
1,3-dichlorobenzene	3.4152	2.9918	.6	12	20	
1,4-dichlorobenzene	3.4346	3.0018	.5	13	20	
n-butylbenzene	4.9357	4.5887	.05	7	20	
1,2-dichlorobenzene	3.1389	2.6867	.4	14	20	
1,2-dibromo-3-chloropropane	.20386	.16014	.05	21	20	F
hexachlorobutadiene	.7415	.67879	.05	8	20	
1,2,4-trichlorobenzene	1.6286	1.4310	.2	12	20	
naphthalene	3.0351	2.5719	.05	15	20	
1,2,3-trichlorobenzene	1.2807	1.1842	.05	8	20	
dibromofluoromethane	.28153	.26757	.05	5	20	
1,2-dichloroethane-d4	.32878	.312	.05	5	20	
toluene-d8	1.3542	1.3010	.05	4	20	
4-bromofluorobenzene	.90168	.88305	.05	2	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105912

Instrument ID: Quimby.i Calibration Date: 02-MAY-2011 Time: 08:11

Lab File ID: 0502A03 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.34924	.29105	.1	17	20	
chloromethane	.35628	.28357	.1	20	20	F
vinyl chloride	.30181	.29096	.1	4	20	
bromomethane	.22898	.17389	.1	24	20	F
chloroethane	.20794	.20559	.1	1	20	
trichlorofluoromethane	.42568	.55091	.1	-29	20	F
ethyl ether	.12007	.11924	.05	1	20	
acetone	100	83.508	.1	16	20	
1,1,-dichloroethene	.30271	.31955	.1	-6	20	
methylene chloride	.30372	.31607	.1	-4	20	
carbon disulfide	.91586	.8013	.1	13	20	
methyl tert butyl ether	.51963	.44214	.1	15	20	
Halothane	.25477	.23996	.05	6	20	
trans-1,2-dichloroethene	.34461	.35035	.1	-2	20	
vinyl acetate	.38582	.32109	.05	17	20	
Diisopropyl Ether	.81846	.64885	.05	21	20	F
1,1-dichloroethane	.58497	.54019	.2	8	20	
Ethyl-Tert-Butyl-Ether	.7021	.53673	.05	24	20	F
2-butanone	.05505	.0425	.1	23	20	F
2,2-dichloropropane	.38987	.35327	.05	9	20	
cis-1,2-dichloroethene	.36598	.377	.1	-3	20	
chloroform	.55517	.57915	.2	-4	20	
bromochloromethane	.13826	.16145	.05	-17	20	
tetrahydrofuran	100	76.052	.05	24	20	F
1,1,1-trichloroethane	.50175	.50681	.1	-1	20	
1,1-dichloropropene	.47777	.46499	.05	3	20	
carbontetrachloride	.40299	.43056	.1	-7	20	
Tertiary-Amyl Methyl Ether	.59124	.4543	.05	23	20	F
1,2-dichloroethane	.29658	.31876	.1	-7	20	
benzene	1.4222	1.3895	.5	2	20	
trichloroethene	.35492	.36586	.2	-3	20	
1,2-dichloropropane	.31236	.26808	.1	14	20	
bromodichloromethane	.34843	.35963	.2	-3	20	
1,4-dioxane	.00121	.00114	.05	6	20	F
dibromomethane	.12614	.1425	.05	-13	20	
2-chloroethylvinyl ether	.10568	.06369	.05	40	20	F
4-methyl-2-pentanone	.05144	.03763	.1	27	20	F
cis-1,3-dichloropropene	.449	.35996	.2	20	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105912

Instrument ID: Quimby.i Calibration Date: 02-MAY-2011 Time: 08:11

Lab File ID: 0502A03 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
toluene	1.1887	1.0594	.4	11	20	
trans-1,3-dichloropropene	.40626	.30388	.1	25	20	F
1,1,2-trichloroethane	.18806	.18005	.1	4	20	
2-hexanone	.10447	.06722	.1	36	20	F
1,3-dichloropropane	.41055	.38545	.05	6	20	
tetrachloroethene	.54918	.58639	.2	-7	20	
chlorodibromomethane	.26275	.28397	.1	-8	20	
1,2-dibromoethane	.21528	.21739	.1	-1	20	
chlorobenzene	1.3469	1.2193	.5	9	20	
1,1,1,2-tetrachloroethane	.39146	.37289	.05	5	20	
ethyl benzene	2.4104	2.1464	.1	11	20	
p/m xylene	.97612	.88378	.1	9	20	
o xylene	.96041	.85031	.3	11	20	
styrene	1.5385	1.4112	.31	8	20	
isopropylbenzene	2.4862	2.1363	.1	14	20	
bromoform	.23103	.24473	.1	-6	20	
1,1,2,2,-tetrachloroethane	.38882	.3621	.3	7	20	
1,2,3-trichloropropane	.302	.27835	.05	8	20	
n-propylbenzene	4.2789	3.4275	.05	20	20	
bromobenzene	.85391	.8795	.05	-3	20	
1,3,5-trimethybenzene	3.1161	2.5123	.05	19	20	
2-chlorotoluene	2.8216	2.4010	.05	15	20	
4-chorotoluene	2.6385	2.2685	.05	14	20	
tert-butylbenzene	2.7401	2.2039	.05	20	20	
1,2,4-trimethylbenzene	3.1459	2.6922	.05	14	20	
sec-butylbenzene	3.7202	2.8954	.05	22	20	F
p-isopropyltoluene	3.1690	2.6350	.05	17	20	
1,3-dichlorobenzene	1.7564	1.6672	.6	5	20	
1,4-dichlorobenzene	1.7757	1.6781	.5	6	20	
n-butylbenzene	3.0962	2.3121	.05	25	20	F
1,2-dichlorobenzene	1.4995	1.4627	.4	2	20	
1,2-dibromo-3-chloropropane	.05659	.04758	.05	16	20	
1,2,4-trichlorobenzene	.83258	.71932	.2	14	20	
hexachlorobutadiene	.4051	.40184	.05	1	20	
naphthalene	1.3212	.92042	.05	30	20	F
1,2,3-trichlorobenzene	.61394	.51673	.05	16	20	
dibromofluoromethane	.23183	.25439	.05	-10	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1105912

Instrument ID: Quimby.i Calibration Date: 02-MAY-2011 Time: 08:11

Lab File ID: 0502A03 Init. Calib. Date(s): 07-MAR-2 07-MAR-2

Sample No: 8260 CCAL Init. Calib. Times : 08:32 12:13

Compound	$\overline{RRF}$	RRF	MIN RRF	%D	MAX %D
1,2-dichloroethane-d4	.19112	.19553	.05	-2	20
toluene-d8	1.2966	1.2459	.05	4	20
4-bromofluorobenzene	.84277	.74713	.05	11	20

FORM VII MCP-8260-10

ANALYTICAL REPORT

Lab Number:	L1104692
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:	04/12/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1104692-01	B109	NEW BEDFORD	04/08/11 06:35
L1104692-02	DUP	NEW BEDFORD	04/08/11 06:38
L1104692-03	B106	NEW BEDFORD	04/08/11 06:44
L1104692-04	B147	NEW BEDFORD	04/08/11 06:49

Project Name: NBHS **Lab Number:** L1104692

Project Number: 115058 **Report Date:** 04/12/11

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?	YES
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	YES
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	YES
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

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

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

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

Canisters were released from the laboratory on April 6, 2011.

The canister certification data is provided as an addendum.

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: Kathleen M. O'Brien Kathleen O'Brien

Title: Technical Director/Representative

Date: 04/12/11

AIR

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-01
Client ID: B109
Sample Location: NEW BEDFORD
Matrix: Air
Anaytical Method: 101,TO-15
Analytical Date: 04/09/11 21:39
Analyst: RY

Date Collected: 04/08/11 06:35
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Ethyl ether	ND	0.200	--	ND	0.606	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
Isopropyl Ether	ND	0.200	--	ND	0.835	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.835	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Bromobenzene	ND	0.200	--	ND	1.28	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-01
Client ID: B109
Sample Location: NEW BEDFORD
Date Collected: 04/08/11 06:35
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	90		60-140

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-01
Client ID: B109
Sample Location: NEW BEDFORD
Matrix: Air
Anaytical Method: 101,TO15-SIM
Analytical Date: 04/09/11 21:39
Analyst: RY

Date Collected: 04/08/11 06:35
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								
1,1,1-Trichloroethane	0.339	0.020	--	1.85	0.109	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Acetone	1.92	1.00	--	4.57	2.37	--		1
Benzene	0.155	0.100	--	0.495	0.319	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Carbon tetrachloride	0.063	0.020	--	0.396	0.126	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-01
Client ID: B109
Sample Location: NEW BEDFORD
Date Collected: 04/08/11 06:35
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								
Chloromethane	ND	0.500	--	ND	1.03	--		1
cis-1,2-Dichloroethene	0.139	0.020	--	0.551	0.079	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
Dichlorodifluoromethane	0.474	0.050	--	2.34	0.247	--		1
Ethylbenzene	0.037	0.020	--	0.160	0.087	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1
2-Butanone	0.266	0.200	--	0.784	0.589	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
Methylene chloride	ND	1.40	--	ND	4.86	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
p/m-Xylene	0.094	0.040	--	0.408	0.174	--		1
o-Xylene	0.034	0.020	--	0.148	0.087	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1
Toluene	0.346	0.050	--	1.30	0.188	--		1
trans-1,2-Dichloroethene	0.021	0.020	--	0.083	0.079	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
Trichloroethene	3.26	0.020	--	17.5	0.107	--		1
Trichlorofluoromethane	0.210	0.050	--	1.18	0.281	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-01
Client ID: B109
Sample Location: NEW BEDFORD
Date Collected: 04/08/11 06:35
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	86		60-140
chlorobenzene-d5	84		60-140

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-02
Client ID: DUP
Sample Location: NEW BEDFORD
Matrix: Air
Anaytical Method: 101,TO-15
Analytical Date: 04/09/11 22:18
Analyst: RY

Date Collected: 04/08/11 06:38
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Ethyl ether	ND	0.200	--	ND	0.606	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
Isopropyl Ether	ND	0.200	--	ND	0.835	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.835	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Bromobenzene	ND	0.200	--	ND	1.28	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-02
Client ID: DUP
Sample Location: NEW BEDFORD
Date Collected: 04/08/11 06:38
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	90		60-140

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-02
Client ID: DUP
Sample Location: NEW BEDFORD
Matrix: Air
Anaytical Method: 101,TO15-SIM
Analytical Date: 04/09/11 22:18
Analyst: RY

Date Collected: 04/08/11 06:38
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								
1,1,1-Trichloroethane	0.326	0.020	--	1.78	0.109	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
1,2,4-Trimethylbenzene	0.032	0.020	--	0.157	0.098	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Acetone	2.24	1.00	--	5.31	2.37	--		1
Benzene	0.156	0.100	--	0.498	0.319	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Carbon tetrachloride	0.060	0.020	--	0.377	0.126	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-02
Client ID: DUP
Sample Location: NEW BEDFORD
Date Collected: 04/08/11 06:38
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								
Chloromethane	ND	0.500	--	ND	1.03	--		1
cis-1,2-Dichloroethene	0.136	0.020	--	0.539	0.079	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
Dichlorodifluoromethane	0.453	0.050	--	2.24	0.247	--		1
Ethylbenzene	0.049	0.020	--	0.212	0.087	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1
2-Butanone	0.459	0.200	--	1.35	0.589	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
Methylene chloride	ND	1.40	--	ND	4.86	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
p/m-Xylene	0.142	0.040	--	0.616	0.174	--		1
o-Xylene	0.052	0.020	--	0.226	0.087	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
Tetrachloroethene	0.021	0.020	--	0.142	0.136	--		1
Toluene	0.383	0.050	--	1.44	0.188	--		1
trans-1,2-Dichloroethene	0.024	0.020	--	0.095	0.079	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
Trichloroethene	3.21	0.020	--	17.2	0.107	--		1
Trichlorofluoromethane	0.197	0.050	--	1.10	0.281	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-02
Client ID: DUP
Sample Location: NEW BEDFORD
Date Collected: 04/08/11 06:38
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	85		60-140

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-03
Client ID: B106
Sample Location: NEW BEDFORD
Matrix: Air
Anaytical Method: 101,TO-15
Analytical Date: 04/09/11 22:55
Analyst: RY

Date Collected: 04/08/11 06:44
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Ethyl ether	ND	0.200	--	ND	0.606	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
Isopropyl Ether	ND	0.200	--	ND	0.835	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.835	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Bromobenzene	ND	0.200	--	ND	1.28	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-03
Client ID: B106
Sample Location: NEW BEDFORD
Date Collected: 04/08/11 06:44
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	89		60-140

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-03
Client ID: B106
Sample Location: NEW BEDFORD
Matrix: Air
Anaytical Method: 101,TO15-SIM
Analytical Date: 04/09/11 22:55
Analyst: RY

Date Collected: 04/08/11 06:44
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								
1,1,1-Trichloroethane	0.202	0.020	--	1.10	0.109	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
1,2,4-Trimethylbenzene	0.037	0.020	--	0.182	0.098	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Acetone	24.9	1.00	--	59.1	2.37	--		1
Benzene	0.140	0.100	--	0.447	0.319	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Carbon tetrachloride	0.062	0.020	--	0.390	0.126	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Chloroform	0.020	0.020	--	0.098	0.098	--		1

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-03
Client ID: B106
Sample Location: NEW BEDFORD
Date Collected: 04/08/11 06:44
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								
Chloromethane	ND	0.500	--	ND	1.03	--		1
cis-1,2-Dichloroethene	0.057	0.020	--	0.226	0.079	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
Dichlorodifluoromethane	0.471	0.050	--	2.33	0.247	--		1
Ethylbenzene	0.060	0.020	--	0.260	0.087	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1
2-Butanone	0.338	0.200	--	0.996	0.589	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
Methylene chloride	ND	1.40	--	ND	4.86	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
p/m-Xylene	0.166	0.040	--	0.720	0.174	--		1
o-Xylene	0.073	0.020	--	0.317	0.087	--		1
Styrene	0.069	0.020	--	0.294	0.085	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Toluene	0.346	0.050	--	1.30	0.188	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
Trichloroethene	1.35	0.020	--	7.25	0.107	--		1
Trichlorofluoromethane	0.207	0.050	--	1.16	0.281	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-03
Client ID: B106
Sample Location: NEW BEDFORD
Date Collected: 04/08/11 06:44
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	82		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	84		60-140

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-04
Client ID: B147
Sample Location: NEW BEDFORD
Matrix: Air
Anaytical Method: 101,TO-15
Analytical Date: 04/10/11 00:13
Analyst: RY

Date Collected: 04/08/11 06:49
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Ethyl ether	ND	0.200	--	ND	0.606	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
Isopropyl Ether	ND	0.200	--	ND	0.835	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.835	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Bromobenzene	ND	0.200	--	ND	1.28	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-04
Client ID: B147
Sample Location: NEW BEDFORD
Date Collected: 04/08/11 06:49
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	100		60-140
chlorobenzene-d5	92		60-140

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-04
Client ID: B147
Sample Location: NEW BEDFORD
Matrix: Air
Anaytical Method: 101,TO15-SIM
Analytical Date: 04/10/11 00:13
Analyst: RY

Date Collected: 04/08/11 06:49
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								
1,1,1-Trichloroethane	0.197	0.020	--	1.07	0.109	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
1,2,4-Trimethylbenzene	0.034	0.020	--	0.167	0.098	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Acetone	2.58	1.00	--	6.11	2.37	--		1
Benzene	0.154	0.100	--	0.492	0.319	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Carbon tetrachloride	0.061	0.020	--	0.383	0.126	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Chloroform	0.022	0.020	--	0.107	0.098	--		1

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-04
Client ID: B147
Sample Location: NEW BEDFORD
Date Collected: 04/08/11 06:49
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								
Chloromethane	ND	0.500	--	ND	1.03	--		1
cis-1,2-Dichloroethene	0.064	0.020	--	0.254	0.079	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
Dichlorodifluoromethane	0.447	0.050	--	2.21	0.247	--		1
Ethylbenzene	0.058	0.020	--	0.252	0.087	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1
2-Butanone	0.394	0.200	--	1.16	0.589	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
Methylene chloride	ND	1.40	--	ND	4.86	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
p/m-Xylene	0.180	0.040	--	0.781	0.174	--		1
o-Xylene	0.074	0.020	--	0.321	0.087	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Toluene	0.364	0.050	--	1.37	0.188	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
Trichloroethene	1.38	0.020	--	7.42	0.107	--		1
Trichlorofluoromethane	0.203	0.050	--	1.14	0.281	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

SAMPLE RESULTS

Lab ID: L1104692-04
Client ID: B147
Sample Location: NEW BEDFORD
Date Collected: 04/08/11 06:49
Date Received: 04/08/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	88		60-140
bromochloromethane	89		60-140
chlorobenzene-d5	86		60-140

Project Name: NBHS
Project Number: 115058
Lab Number: L1104692
Report Date: 04/12/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 101,TO15-SIM
Analytical Date: 04/09/11 16:42

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-04 Batch: WG462306-4								
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Acetone	ND	1.00	--	ND	2.37	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 101,TO15-SIM
Analytical Date: 04/09/11 16:42

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-04 Batch: WG462306-4								
Chloroform	ND	0.020	--	ND	0.098	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
Methylene chloride	ND	1.40	--	ND	4.86	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 101,TO15-SIM
Analytical Date: 04/09/11 16:42

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-04 Batch: WG462306-4								
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
Halothane	ND	0.050	--	ND	0.403	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 101,TO-15
Analytical Date: 04/09/11 16:42

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab for sample(s): 01-04 Batch: WG462594-4								
Ethyl ether	ND	0.200	--	ND	0.606	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
Isopropyl Ether	ND	0.200	--	ND	0.835	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.835	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Bromobenzene	ND	0.200	--	ND	1.28	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 Batch: WG462306-3								
1,1,1-Trichloroethane	82		-		70-130	-		
1,1,2,2-Tetrachloroethane	92		-		70-130	-		
1,1,2-Trichloroethane	91		-		70-130	-		
1,1-Dichloroethane	89		-		70-130	-		
1,1-Dichloroethene	86		-		70-130	-		
1,2,4-Trichlorobenzene	86		-		50-150	-		
1,2,4-Trimethylbenzene	96		-		70-130	-		
1,2-Dibromoethane	93		-		70-130	-		
1,2-Dichlorobenzene	93		-		70-130	-		
1,2-Dichloroethane	83		-		70-130	-		
1,2-Dichloropropane	86		-		70-130	-		
1,3,5-Trimethylbenzene	92		-		70-130	-		
1,3-Butadiene	88		-		70-130	-		
1,3-Dichlorobenzene	96		-		70-130	-		
1,4-Dichlorobenzene	94		-		70-130	-		
1,4-Dioxane	79		-		50-150	-		
Acetone	88		-		50-150	-		
Benzene	75		-		70-130	-		
Bromodichloromethane	85		-		70-130	-		
Bromoform	88		-		70-130	-		
Bromomethane	84		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 Batch: WG462306-3								
Carbon tetrachloride	81		-		70-130	-		
Chlorobenzene	89		-		70-130	-		
Chloroethane	87		-		70-130	-		
Chloroform	85		-		70-130	-		
Chloromethane	77		-		70-130	-		
cis-1,2-Dichloroethene	82		-		70-130	-		
cis-1,3-Dichloropropene	89		-		70-130	-		
Dibromochloromethane	88		-		70-130	-		
Dichlorodifluoromethane	84		-		70-130	-		
Ethylbenzene	86		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	88		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	85		-		70-130	-		
Hexachlorobutadiene	85		-		50-150	-		
2-Butanone	83		-		70-130	-		
4-Methyl-2-pentanone	88		-		70-130	-		
Methylene chloride	85		-		70-130	-		
Methyl tert butyl ether	83		-		70-130	-		
Naphthalene	81		-		50-150	-		
p/m-Xylene	88		-		70-130	-		
o-Xylene	87		-		70-130	-		
Styrene	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 Batch: WG462306-3								
Tetrachloroethene	86		-		70-130	-		
Toluene	76		-		70-130	-		
trans-1,2-Dichloroethene	82		-		70-130	-		
trans-1,3-Dichloropropene	75		-		70-130	-		
Trichloroethene	86		-		70-130	-		
Trichlorofluoromethane	85		-		70-130	-		
Vinyl chloride	84		-		70-130	-		
Halothane	100		-		70-130	-		
1,2,3-Trichlorobenzene	85		-		70-130	-		
MCP Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG462594-3								
Ethyl ether	92		-		70-130	-		
Carbon disulfide	93		-		70-130	-		
Tetrahydrofuran	83		-		70-130	-		
2,2-Dichloropropane	82		-		70-130	-		
Isopropyl Ether	91		-		70-130	-		
Ethyl-Tert-Butyl-Ether	89		-		70-130	-		
1,1-Dichloropropene	92		-		70-130	-		
Tertiary-Amyl Methyl Ether	87		-		70-130	-		
Dibromomethane	92		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 Batch: WG462594-3								
1,3-Dichloropropane	101		-		70-130	-		
2-Hexanone	105		-		70-130	-		
1,2,3-Trichloropropane	92		-		70-130	-		
Bromobenzene	98		-		70-130	-		
o-Chlorotoluene	94		-		70-130	-		
n-Propylbenzene	98		-		70-130	-		
p-Chlorotoluene	96		-		70-130	-		
tert-Butylbenzene	99		-		70-130	-		
1,2-Dibromo-3-chloropropane	114		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
MCP Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG462306-5 QC Sample: L1104692-03 Client ID: B106						
1,1,1-Trichloroethane	0.202	0.199	ppbV	1		25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC		25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC		25
1,1,2-Trichloroethane	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC		25
1,2,4-Trimethylbenzene	0.037	0.040	ppbV	8		25
1,2-Dibromoethane	ND	ND	ppbV	NC		25
1,2-Dichlorobenzene	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC		25
1,3-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dichlorobenzene	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Acetone	24.9	24.0	ppbV	4		25
Benzene	0.140	0.141	ppbV	1		25
Bromodichloromethane	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
MCP Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG462306-5 QC Sample: L1104692-03 Client ID: B106					
Bromoform	ND	ND	ppbV	NC	25
Bromomethane	ND	ND	ppbV	NC	25
Carbon tetrachloride	0.062	0.060	ppbV	3	25
Chlorobenzene	ND	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	0.020	0.020	ppbV	0	25
Chloromethane	ND	ND	ppbV	NC	25
cis-1,2-Dichloroethene	0.057	0.057	ppbV	0	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.471	0.427	ppbV	10	25
Ethylbenzene	0.060	0.064	ppbV	6	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25
2-Butanone	0.338	0.339	ppbV	0	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
Methylene chloride	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Naphthalene	ND	ND	ppbV	NC	25
p/m-Xylene	0.166	0.175	ppbV	5	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
MCP Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG462306-5 QC Sample: L1104692-03 Client ID: B106					
o-Xylene	0.073	0.078	ppbV	7	25
Styrene	0.069	0.071	ppbV	3	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Toluene	0.346	0.361	ppbV	4	25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	1.35	1.27	ppbV	6	25
Trichlorofluoromethane	0.207	0.199	ppbV	4	25
Vinyl chloride	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
Isopropylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25
1,2,3-Trichlorobenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
MCP Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG462594-5 QC Sample: L1104692-03 Client ID: B106					
Ethyl ether	ND	ND	ppbV	NC	25
Carbon disulfide	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
2,2-Dichloropropane	ND	ND	ppbV	NC	25
Isopropyl Ether	ND	ND	ppbV	NC	25
Ethyl-Tert-Butyl-Ether	ND	ND	ppbV	NC	25
1,1-Dichloropropene	ND	ND	ppbV	NC	25
Tertiary-Amyl Methyl Ether	ND	ND	ppbV	NC	25
Dibromomethane	ND	ND	ppbV	NC	25
1,3-Dichloropropane	ND	ND	ppbV	NC	25
2-Hexanone	ND	ND	ppbV	NC	25
1,2,3-Trichloropropane	ND	ND	ppbV	NC	25
Bromobenzene	ND	ND	ppbV	NC	25
o-Chlorotoluene	ND	ND	ppbV	NC	25
n-Propylbenzene	ND	ND	ppbV	NC	25
p-Chlorotoluene	ND	ND	ppbV	NC	25
tert-Butylbenzene	ND	ND	ppbV	NC	25
1,2-Dibromo-3-chloropropane	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
MCP Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG462594-5 QC Sample: L1104692-03 Client ID: B106					

Project Name: NBHS

Lab Number: L1104692

Project Number: 115058

Report Date: 04/12/11

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1104692-01	B109	0130	#20 AMB		-	-	6.4	7.1	10
L1104692-01	B109	1608	6.0L Can	L1104305-01	-28.2	-1.8	-	-	-
L1104692-02	DUP	0174	#20 SV		-	-	6.2	6.7	8
L1104692-02	DUP	768	6.0L Can	L1104105-01	-28.6	-3.3	-	-	-
L1104692-03	B106	0290	#20 AMB		-	-	6.5	7.2	10
L1104692-03	B106	951	6.0L Can	L1104356-01	-28.8	-3.9	-	-	-
L1104692-04	B147	0227	#90 SV		-	-	6.7	7.1	6
L1104692-04	B147	966	6.0L Can	L1104274-01	-28.5	-1.7	-	-	-

Air Volatiles Can Certification

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104105
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104105-01
Client ID: CAN 768 SHELF 46
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 03/30/11 19:35
Analyst: AR

Date Collected: 03/29/11 00:00
Date Received: 03/29/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.606	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.841	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.14	--		1
Acetone	ND	1.00	--	ND	2.37	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104105

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104105-01 Date Collected: 03/29/11 00:00

Client ID: CAN 768 SHELF 46 Date Received: 03/29/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
Diisopropyl ether	ND	0.200	--	ND	0.835	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.835	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Benzene	ND	0.200	--	ND	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.720	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104105

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104105-01 Date Collected: 03/29/11 00:00

Client ID: CAN 768 SHELF 46 Date Received: 03/29/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.37	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.982	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104105

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104105-01 Date Collected: 03/29/11 00:00

Client ID: CAN 768 SHELF 46 Date Received: 03/29/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	1.28	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104105
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104105-01
Client ID: CAN 768 SHELF 46
Sample Location:

Date Collected: 03/29/11 00:00
Date Received: 03/29/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104105
Report Date: 04/12/11

Air Canister Certification Results

Lab ID:	L1104105-01	Date Collected:	03/29/11 00:00
Client ID:	CAN 768 SHELF 46	Date Received:	03/29/11
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	03/30/11 19:35		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.403	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104105

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104105-01 Date Collected: 03/29/11 00:00

Client ID: CAN 768 SHELF 46 Date Received: 03/29/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104105
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104105-01
Client ID: CAN 768 SHELF 46
Sample Location:

Date Collected: 03/29/11 00:00
Date Received: 03/29/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104105
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104105-01
Client ID: CAN 768 SHELF 46
Sample Location:

Date Collected: 03/29/11 00:00
Date Received: 03/29/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	91		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104274
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104274-01
Client ID: CAN 966 SHELF 37
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/01/11 19:49
Analyst: GT

Date Collected: 03/31/11 00:00
Date Received: 03/31/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.606	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.841	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.14	--		1
Acetone	ND	1.00	--	ND	2.37	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104274

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104274-01 Date Collected: 03/31/11 00:00

Client ID: CAN 966 SHELF 37 Date Received: 03/31/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
Diisopropyl ether	ND	0.200	--	ND	0.835	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.835	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Benzene	ND	0.200	--	ND	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.720	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104274

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104274-01 Date Collected: 03/31/11 00:00

Client ID: CAN 966 SHELF 37 Date Received: 03/31/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.37	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.982	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104274

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104274-01 Date Collected: 03/31/11 00:00

Client ID: CAN 966 SHELF 37 Date Received: 03/31/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	1.28	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104274
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104274-01
Client ID: CAN 966 SHELF 37
Sample Location:

Date Collected: 03/31/11 00:00
Date Received: 03/31/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	92		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104274
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104274-01
Client ID: CAN 966 SHELF 37
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/01/11 19:49
Analyst: GT

Date Collected: 03/31/11 00:00
Date Received: 03/31/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.403	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104274

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104274-01 Date Collected: 03/31/11 00:00

Client ID: CAN 966 SHELF 37 Date Received: 03/31/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104274
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104274-01
Client ID: CAN 966 SHELF 37
Sample Location:
Date Collected: 03/31/11 00:00
Date Received: 03/31/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: BATCH CANISTER CERTIFICATION
Lab Number: L1104274
Project Number: CANISTER QC BAT
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104274-01
Client ID: CAN 966 SHELF 37
Sample Location:

Date Collected: 03/31/11 00:00
Date Received: 03/31/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	111		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	104		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104305
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104305-01
Client ID: CAN 1608 SHELF 46
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/01/11 18:34
Analyst: GT

Date Collected: 04/01/11 00:00
Date Received: 04/01/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.606	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.841	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.14	--		1
Acetone	ND	1.00	--	ND	2.37	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104305

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104305-01 Date Collected: 04/01/11 00:00

Client ID: CAN 1608 SHELF 46 Date Received: 04/01/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
Diisopropyl ether	ND	0.200	--	ND	0.835	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.835	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Benzene	ND	0.200	--	ND	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.720	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104305

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104305-01 Date Collected: 04/01/11 00:00

Client ID: CAN 1608 SHELF 46 Date Received: 04/01/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.37	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.982	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104305

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104305-01 Date Collected: 04/01/11 00:00

Client ID: CAN 1608 SHELF 46 Date Received: 04/01/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	1.28	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104305
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104305-01
Client ID: CAN 1608 SHELF 46
Sample Location:

Date Collected: 04/01/11 00:00
Date Received: 04/01/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104305
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104305-01
Client ID: CAN 1608 SHELF 46
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/01/11 18:34
Analyst: GT

Date Collected: 04/01/11 00:00
Date Received: 04/01/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.403	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104305

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104305-01 Date Collected: 04/01/11 00:00

Client ID: CAN 1608 SHELF 46 Date Received: 04/01/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Lab Number: L1104305
Project Number: CANISTER QC BAT
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104305-01
Client ID: CAN 1608 SHELF 46
Sample Location:

Date Collected: 04/01/11 00:00
Date Received: 04/01/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104305
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104305-01
Client ID: CAN 1608 SHELF 46
Sample Location:

Date Collected: 04/01/11 00:00
Date Received: 04/01/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	107		60-140
bromochloromethane	98		60-140
chlorobenzene-d5	102		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104356
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104356-01
Client ID: CAN 951 SHELF 47
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 04/04/11 18:11
Analyst: BS

Date Collected: 04/04/11 00:00
Date Received: 04/04/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.606	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.841	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.14	--		1
Acetone	ND	1.00	--	ND	2.37	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104356

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104356-01 Date Collected: 04/04/11 00:00

Client ID: CAN 951 SHELF 47 Date Received: 04/04/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
Diisopropyl ether	ND	0.200	--	ND	0.835	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.835	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Benzene	ND	0.200	--	ND	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.720	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104356

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104356-01 Date Collected: 04/04/11 00:00

Client ID: CAN 951 SHELF 47 Date Received: 04/04/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.37	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.982	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104356

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104356-01 Date Collected: 04/04/11 00:00

Client ID: CAN 951 SHELF 47 Date Received: 04/04/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	1.28	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104356
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104356-01
Client ID: CAN 951 SHELF 47
Sample Location:

Date Collected: 04/04/11 00:00
Date Received: 04/04/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		60-140
Bromochloromethane	98		60-140
chlorobenzene-d5	91		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104356
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104356-01
Client ID: CAN 951 SHELF 47
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 04/04/11 18:11
Analyst: BS

Date Collected: 04/04/11 00:00
Date Received: 04/04/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.403	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104356

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

Air Canister Certification Results

Lab ID: L1104356-01 Date Collected: 04/04/11 00:00

Client ID: CAN 951 SHELF 47 Date Received: 04/04/11

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104356
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104356-01
Client ID: CAN 951 SHELF 47
Sample Location:
Date Collected: 04/04/11 00:00
Date Received: 04/04/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1104356
Report Date: 04/12/11

Air Canister Certification Results

Lab ID: L1104356-01
Client ID: CAN 951 SHELF 47
Sample Location:

Date Collected: 04/04/11 00:00
Date Received: 04/04/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	93		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104105

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1104105-01	Date Collected:	03/29/11 00:00
Client ID:	CAN 768 SHELF 46	Date Received:	03/29/11
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	03/31/11 10:51		
Analyst:	BS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1104274

Project Number: CANISTER QC BAT **Report Date:** 04/12/11

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1104274-01	Date Collected:	03/31/11 00:00
Client ID:	CAN 966 SHELF 37	Date Received:	03/31/11
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	04/01/11 16:26		
Analyst:	BS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: NBHS
Project Number: 115058

Lab Number: L1104692
Report Date: 04/12/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
N/A	Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1104692-01A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	MCP-TO15-SIM(30),MCP-TO15(30)
L1104692-02A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	MCP-TO15-SIM(30),MCP-TO15(30)
L1104692-03A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	MCP-TO15-SIM(30),MCP-TO15(30)
L1104692-04A	Canister - 6 Liter	N/A	N/A		Y	Present/Intact	MCP-TO15-SIM(30),MCP-TO15(30)

*Values in parentheses indicate holding time in days

Project Name:	NBHS	**Lab Number:**	L1104692
Project Number:	115058	**Report Date:**	04/12/11

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.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
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

Project Name:	NBHS	**Lab Number:**	L1104692
Project Number:	115058	**Report Date:**	04/12/11

Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

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

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

Report Format: Data Usability Report

Project Name: NBHS **Lab Number:** L1104692
Project Number: 115058 **Report Date:** 04/12/11

REFERENCES

101 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air (EPA/625/R-96/010b:January 1999) with QC Requirements & Performance Standards for the Analysis of TO-15 under the Massachusetts Contingency Plan, WSC-CAM-IXB, July 2010.

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised March 23, 2011 – Mansfield Facility

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

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA, 245.1, 245.7, 1631E, 180.1, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081, 8082, 8260B, 8270C.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7470A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, SM2320B, EPA 200.8, SM2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 7470A, 9040B, 6020, 9010B, 9014 Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640C, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 9014, 9040B, 120.1, SM2510B, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 2510B, EPA 120.1, 180.1, 1631E, 245.7.)

Solid & Chemical Materials (Inorganic Parameters: EPA 9040, 9060, 6020, 7470, 7471, 7474. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270, 8260.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015-DRO.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP

Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

AIR ANALYSIS

PAGE 1 OF 1

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1104692

Client Information

Client: TRC ENVIRONMENTAL
Address: 650 SUFFOLK ST
LOWELL MA 01854
Phone: 978-970-5600
Fax:
Email: DSULLIVAN@TRCSOLUTIONS.COM
ALEONARD
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: NBHS
Project Location: NEW BEDFORD
Project #: 115058
Project Manager: DAVID SULLIVAN
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☑ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:
VERIFY VOC TARGET COMPOUND LIST WITH DAVE SULLIVAN

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
L1104692-1	B109	4/7-4/8	1835	0635	-29.14	-2.09	IAQ AA	JF	6l	1608	0130			✓					
2	DUP	"	1838	0638	-29.94	-3.9	IAQ AA	JF	6l	768	0174			✓					
3	B106	"	1844	0644	-29.80	-4.15	IAQ AA	JF	6l	951	0290			✓					
4	B147	"	1849	0649	-29.50	-2.17	IAQ AA	JF	6l	966	0227			✓					
Container Type														UG					

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By:	Date/Time	Received By:	Date/Time:
James C. Fuino	4/8	R. Gilbert	4/8/11 825

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

APPENDIX B

COPY OF MASSDEP IRA PLAN MODIFICATON APPROVAL LETTER

Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Southeast Regional Office • 20 Riverside Drive, Lakeville MA 02347 • 508-946-2700

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

RICHARD K. SULLIVAN JR.
Secretary

KENNETH L. KIMMELL
Commissioner

February 23, 2011

Scott Alfonse, Director
Office of Environmental Stewardship
City of New Bedford – City Hall
133 William Street
New Bedford, Massachusetts 02740

RE: **NEW BEDFORD**
Release Tracking Number: 4-22409
New Bedford High School
IMMEDIATE RESPONSE ACTION PLAN MODIFICATION APPROVAL

Dear Mr. Alfonse:

The Massachusetts Department of Environmental Protection, Bureau of Waste Site Cleanup (MassDEP), is in receipt of an Immediate Response Action (IRA) Plan Modification submitted for Release Tracking Number (RTN) 4-22409 related to a Condition of Substantial Release Migration (SRM) and Critical Exposure Pathway (CEP) identified on the New Bedford High School property. The IRA Plan Modification was prepared and submitted on behalf of the City of New Bedford (the City) by TRC Environmental Corporation (TRC). The IRA Plan Modification details on-going activities related to the detection of volatile organic compounds (VOCs) in both groundwater and the indoor air of a portion of the New Bedford High School. On April 9, 2010, MassDEP provided the City written approval to conduct IRA activities, as described in the March 2010 IRA Plan previously submitted by TRC.

The IRA Plan Modification summarizes activities conducted to date and proposes additional assessment and possible mitigation measures to be conducted related to this detection. Activities to be conducted, as described in the IRA Plan Modification, include, but are not limited to: removal of VOC-impacted groundwater and soil vapors in the vicinity of shallow monitoring well MW-27 by pumping and vacuum extraction (identified in the IRA Plan Modification as Total Fluid Extraction or TFE) and off-site disposal of the impacted groundwater. The proposed activities will occur over a one-day period. Groundwater monitoring will be conducted in the vicinity of MW-27 several weeks after the event. Additional events may be conducted if monitoring results indicate that it is a useful and cost-effective approach to reducing concentrations of VOCs in this area.

MassDEP acknowledges that the City posted public notices of the availability of the IRA Plan Modification and held a public comment period from January 24, 2011 through February 14, 2011. The City did not receive written comments on the IRA Plan Modification.

Based on its review of the IRA Plan Modification, and in accordance with 310 CMR 40.0420(6), MassDEP hereby provides approval to the City of New Bedford to implement the IRA activities as proposed in the IRA Plan Modification, and as conditioned herein:

1. The City, or its contractor, shall provide MassDEP a minimum of seventy-two hours notice prior to commencing field work associated with the IRA Plan Modification. When providing such notice, please provide the name and contact cellular phone number of the person responsible for project management and oversight at the Site;

2. TFE events should be conducted when school is not in session and students are not likely to be present;

3. Pursuant to 310 CMR 40.0425(6)(b), a Remedial Monitoring Report should be submitted along with the next IRA Status Report, which is due to be submitted to MassDEP on May 20, 2011.

Please also be advised that, pursuant to 310 CMR 40.0424(2), IRA Plans are to be updated and modified, if necessary, based on the acquisition and evaluation of significant new information and data on the release, threat of release and/or new site conditions. Any significant modification of an IRA Plan must be submitted to MassDEP in writing for review and approval.

All inquiries regarding this matter should be directed to Molly Cote at the letterhead address or by calling (508) 946-2792. All future communication regarding this matter must reference Release Tracking Number: **4-0022409.**

Sincerely,

Leonard J. Pinaud, Chief
State & Federal Site Management Section
Bureau of Waste Site Cleanup

P/MC/lg

W:\BWSC\Document Archive\4-0022409.APWRIT.02-23-2011

ec: Scott W. Lang, Mayor - City of New Bedford

City of New Bedford - Health Department

Eddie Johnson, President – C.L.E.A.N.

Kim Tisa, USEPA Region 1

David Sullivan, LSP - TRC

MassDEP-SERO
ATTN: Lara Goodine, Data Entry [APWRIT]
David Johnston, Acting Regional Director
Millie Garcia-Serrano, Deputy Regional Director

APPENDIX C

GROUNDWATER MONITORING SAMPLING LOGS

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
City of New Bedford – NBHS	115058	3/8/2011 1900	

Well Identification: MW-~~3~~ ASO 5

TRC Personnel: A Drouin

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present		

Protective Casing Stick-up (from ground) NA ft.

Riser Stick-up (from ground) NA ft.

WELL DIAMETER: [ ] 2 inch [ ] 4 inch [ ] 6 inch [X] 1 inch

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 11.08 ft. [X] top of riser [ ] top of casing [ ] ___ [X] measured [ ] historical

Water Depth 1.81 ft.

LNAPL/DNAPL Depth = ___

Thickness = ___

LOW FLOW DATA

Depth of pump intake: 6.5

Static water level after pump put into well 1.81

Initial purge Rate/ Water Level (100-400 ml/min): 30 ml/min

Adjusted purge Rates/time/WL(record changes) ↑ pressure

Flow rate at time of sampling: 30 ml/min

PID SCREENING MEAS.

Background	0.0
Well Mouth	0.0

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1980	2000	2005	2010	2030	2035	2040	2045	2050	2055
Temp. (C)	18.91	19.79	19.80	19.79	19.39	19.40	19.42	19.45	19.43	19.43
Conduct. (µmhos/cm)	312	303	305	302	290	290	290	290	290	290
DO (mg/l)	1.36	0.68	0.56	0.50	0.26	0.24	0.24	0.22	0.21	0.21
pH (Std. Units)	6.20	6.27	6.27	6.26	6.25	6.25	6.25	6.26	6.25	6.25
Eh (millivolts)	-1.1	7.4	8.6	10.1	28.2	30.5	32.7	35.1	32.6	34.1
Turb. (NTU)	235	123	115	112	36.4	33.9	38.2	31.9	28.2	24.9
Flow (ml/min)	30	30	30	30	30	30	30	30	30	30
Depth To Water (ft)	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81	1.81
Time	2100	2105	2110	2115	2120					
Temp. (C)	19.42	19.43	19.43	19.44	19.44					
Conduct. (µmhos/cm)	291	291	292	292	293					
DO (mg/l)	0.21	0.21	0.23	0.22	0.24					
pH (Std. Units)	6.26	6.26	6.26	6.26	6.26					
Eh (millivolts)	36.2	42.0	41.9	42.1	49.8					
Turb. (NTU)	21.5	21.5	18.9	17.6	18.1					
Flow (ml/min)	30	30	30	30	30					
Depth To Water (ft)	1.81	1.81	1.81	1.81	1.81					

purged for two hours and Turbidity has fallen to good NTUs.

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: ___		

Description of Sampling Equipment and Flow Rate: YSI ~~650~~ 556 XL w/ Display, ~~Solinst interface~~ Heron probe, QED MP10 Controlled with ~~CO2~~ N gas, Lamotte 2020 Turbidity Meter, Thermo PID

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	No	HCl	2 – 40 mL VOA	2125	MW-5	

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Signed: Alison Drouin

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project: City of New Bedford – NBHS / 115058 **Project No.:**

Date/Time: 1800 3/8/2011

Sheet 1 **of** 1

Well Identification: MW- 27 D

TRC Personnel: JASON FIERO

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present		

PID SCREENING MEAS.

Background	0
Well Mouth	12.7

Protective Casing Stick-up (from ground) NA ft.

Riser Stick-up (from ground) NA ft.

WELL DIAMETER ✓ 2 inch; 4 inch; 6 inch; 1 inch

WELL MATERIAL X PVC; SS; ___

Well Depth 17 ft. ✓ top of riser; top of casing; ___ X measured; historical

Water Depth 1.38 ft. LNAPL/DNAPL Depth = ___ Thickness =

LOW FLOW DATA

Depth of pump intake: 15'

Static water level after pump put into well 1.4

Initial purge Rate/ Water Level (100-400 ml/min): 70 ml/min

Adjusted purge Rates/time/WL(record changes) 70

Flow rate at time of sampling: 70 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	18:30	18:35	18:40	18:45	18:50	18:55	19:00	19:05	19:10	
Temp. (C)	21.22	21.2	21.17	21.12	21.02	20.96	20.95	20.95	20.94	
Conduct. (µmhos/cm)	278	278	278	278	278	278	278	278	278	
DO (mg/l)	0.53	0.44	0.34	0.34	0.33	0.28	0.27	0.24	0.23	
pH (Std. Units)	5.83	5.83	5.83	5.84	5.84	5.83	5.84	5.84	5.84	
Eh (millivolts)	55	52	48	43	37.6	33	27	17	17	
Turb. (NTU)	6.8	6.6	6.2	5.1	4.6	4.3	3.7	3.7	3.6	
Flow (ml/min)	70	70	70	70	70	70	70	70	70	
Depth To Water (ft)	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other:		

Description of Sampling Equipment and Flow Rate: YSI ~~650~~ 556 XL w/ Display, ~~Solinst interface~~ Heron probe, QED MP10 Controlled with ~~CO2~~ N gas, Lamotte 2020e Turbidity Meter, Thermo PID

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	No	HCl	2 – 40 mL VOA	19:15	MW 27D	

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Signed: JCF

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
City of New Bedford – NBHS	115058	19:05 3/8/2011	

Well Identification: MW 27 R

TRC Personnel: JASON FIERO

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present	✓	

PID SCREENING MEAS.

Background	0
Well Mouth	551

Protective Casing Stick-up (from ground) NA ft.

Riser Stick-up (from ground) NA ft.

WELL DIAMETER: [ ] 2 inch [X] 4 inch [ ] 6 inch [✓] 1 inch

WELL MATERIAL: [X] PVC [ ] SS [ ] ___

Well Depth 11 ft. [✓] top of riser [ ] top of casing [ ] ___ [X] measured [ ] historical

Water Depth 1.4 ft. LNAPL/DNAPL Depth = ___ Thickness =

LOW FLOW DATA

Depth of pump intake: 9.5

Static water level after pump put into well 14'

Initial purge Rate/ Water Level (100-400 ml/min): 230

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 230 ml/m

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	19:30	19:35	19:40	19:45	19:50	19:55	20:00	20:05	20:10	20:15
Temp. (C)	21.27	21.32	21.38	21.42	21.52	21.52	21.54	21.58	21.6	21.63
Conduct. (µmhos/cm)	313	316	318	320	321	322	322	322	323	324
DO (mg/l)	0.65	0.46	0.47	0.43	0.42	0.43	0.43	0.46	0.48	0.51
pH (Std. Units)	6.09	6.11	6.13	6.17	6.21	6.22	6.24	6.26	6.28	6.3
Eh (millivolts)	-51	-56	-62	-68	-74	-74	-74	-75	-80	-82
Turb. (NTU)	45	55	60	60	60	60	65	60	50	55
Flow (ml/min)	230	230	230	230	230	230	230	230	230	230
Depth To Water (ft)	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Time	20:20	20:25	20:30	20:35	20:40	20:45	20:50	20:55	21:00	
Temp. (C)	21.58	21.49	21.46	21.47	21.49	21.50	21.52	21.55	21.57	
Conduct. (µmhos/cm)	324	323	324	324	324	324	324	325	325	
DO (mg/l)	0.55	0.54	0.6	0.6	0.59	0.6	0.58	0.6	0.6	
pH (Std. Units)	6.32	6.33	6.35	6.37	6.37	6.38	6.38	6.39	6.4	
Eh (millivolts)	-81.7	-79	-84	-85	-86	-86.5	-88	-87	-88	
Turb. (NTU)	45	50	50	45	45	45	45	45	45	
Flow (ml/min)	230	230	230	230	230	230	230	230	230	
Depth To Water (ft)	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	

Pump Type	Purge	Sample
Peristaltic Pump	[ ]	[ ]
Submersible Pump	[ ]	[ ]
Bladder Pump	[X]	[X]
Other: ___	[ ]	[ ]

Description of Sampling Equipment and Flow Rate: YSI ~~650~~ 556 XL w/ Display, ~~Solinst interface~~ Heron probe, QED MP1~~5~~0 Controlled with ~~CO2~~ N gas, Lamotte 2020e Turbidity Meter, Thermo PID

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	No	HCl	2 – 40 mL VOA	21:05	MW 27R	

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Signed: JCF

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project: City of New Bedford – NBHS / 115058 **Project No.:**

Date/Time: 15:30 3/8/2011

Sheet 1 **of** 1

Well Identification: MW-28

TRC Personnel: JASON FIERO

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present		X
Security Lock Present	X	

PID SCREENING MEAS.

Background	0
Well Mouth	1.5

Protective Casing Stick-up (from ground) NA ft.

Riser Stick-up (from ground) NA ft.

WELL DIAMETER ☐ 2 inch ☐ 4 inch ☐ 6 inch ☒ 1 inch

WELL MATERIAL ☒ PVC ☐ SS ☐ ___

Well Depth 10.12 ft. ☒ top of riser ☐ top of casing ☐ ___ ☒ measured ☐ historical

Water Depth 1.54 ft. LNAPL/DNAPL Depth = ___ Thickness =

LOW FLOW DATA

Depth of pump intake: ___

Static water level after pump put into well 1.54

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes) none

Flow rate at time of sampling: 30

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	16:05	16:10	16:15	16:20	16:25	16:30	16:35	16:40	16:45	16:50
Temp. (C)	23.92	23.9	23.88	23.84	23.8	23.78	23.76	23.75	23.73	23.73
Conduct. (µmhos/cm)	310	307	308	308	308	308	307	307	305	304
DO (mg/l)	1.26	0.89	0.84	0.78	0.68	0.55	0.5	0.48	0.44	0.42
pH (Std. Units)	6.15	6.15	6.14	6.14	6.13	6.13	6.13	6.13	6.12	6.12
Eh (millivolts)	-5.4	-12.6	-13.5	-11.7	-10.2	-10	-8	-5.2	-2.8	-2.6
Turb. (NTU)	24	22	20	18	15	15	15	12	9.6	9.1
Flow (ml/min)	30	30	30	30	30	30	30	30	30	30
Depth To Water (ft)	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
Time	16:55									
Temp. (C)	23.72									
Conduct. (µmhos/cm)	304									
DO (mg/l)	0.41									
pH (Std. Units)	6.12									
Eh (millivolts)	-2.5									
Turb. (NTU)	8.9									
Flow (ml/min)	30									
Depth To Water (ft)	1.58									

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	X	X
Other: ___	☐	☐

Description of Sampling Equipment and Flow Rate: 556 HERON GULL

YSI ~~650~~ XL w/ Display, Solinst ~~interface~~ probe, QED MP1 Controlled with ~~CO2~~ gas, Lamotte 2020 Turbidity Meter, Thermo PID NA 580B

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	No	HCl	2 – 40 mL VOA	17:00	MW-28	

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Signed: ___

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 2
City of New Bedford – NBHS	115058	3/8/2011	

Well Identification: MW-31

TRC Personnel: ~~ASO MW-31~~ A. Drovin & J. Fiero

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present		

PID SCREENING MEAS.

Background	0.0
Well Mouth	0.0

Protective Casing Stick-up (from ground): NA ft.

Riser Stick-up (from ground): NA ft.

WELL DIAMETER: 2 inch; 4 inch; 6 inch; X 1 inch

WELL MATERIAL: X PVC; SS; ___

Well Depth: 8.74 ft. — X top of riser; top of casing; measured; X historical 1/20/11

Water Depth: 1.57 ft.

LNAPL/DNAPL Depth = ___

Thickness = ___

LOW FLOW DATA

Depth of pump intake: 5.2

Static water level after pump put into well: 1.53

Initial purge Rate/ Water Level (100-400 ml/min): 20 ml/min

Adjusted purge Rates/time/WL(record changes): none

Flow rate at time of sampling: 20 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	16:15	16:20	16:25	16:30	16:35	16:40	16:45	16:50	16:55	17:00
Temp. (C)	21.45	21.37	21.31	21.26	21.19	21.17	21.15	21.6	21.04	21
Conduct. (µmhos/cm)	357	357	356	356	356	356	355	355	354	354
DO (mg/l)	1.45	0.93	0.71	0.63	0.44	0.4	0.4	0.38	0.37	0.32
pH (Std. Units)	6.44	6.45	6.46	6.47	6.48	6.48	6.48	6.49	6.49	6.5
Eh (millivolts)	-29.8	-28.7	-25.8	-34.2	-34.1	-37	-47	-47	-46	-48
Turb. (NTU)	45.7	47	49.2	43.6	47.0	37.7	34.7	33.1	32.5	32
Flow (ml/min)	20	20	20	20	20	20	20	20	20	20
Depth To Water (ft)	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54
Time	17:05	17:10	17:15	17:20	17:25	17:30	17:35	17:40	17:45	17:55
Temp. (C)	20.98	20.95	20.92	20.87	20.88	20.89	20.91	20.91	20.91	20.93
Conduct. (µmhos/cm)	354	354	353	352	352	352	352	352	352	352
DO (mg/l)	0.28	0.26	0.24	0.22	0.21	0.20	0.19	0.19	0.19	0.16
pH (Std. Units)	6.5	6.5	6.5	6.5	6.48	6.47	6.44	6.42	6.41	6.39
Eh (millivolts)	-49	-50.5	-49.9	-49.4	-48.8	-48.2	-45	-39	-33	-30.5
Turb. (NTU)	32	30	26	25	25	24	21	20	21	22
Flow (ml/min)	20	20	20	20	20	20	20	20	20	20
Depth To Water (ft)	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	X	X
Other: ___		

Description of Sampling Equipment and Flow Rate: YSI 650 XL w/ Display, Solinst interface probe, QED MP15 Controlled with CO2 gas, Lamotte 2020 Turbidity Meter, Thermo PID

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	No	HCl	2 – 40 mL VOA	18:30	MW-31	

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TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 2 of 2
City of New Bedford – NBHS	/ 115058	3/8/2011	

Well Identification: MW-31

TRC Personnel:

See Page 1

WELL INTEGRITY

	YES	NO
Protect. Casing Secure		
Concrete Collar Intact		
PVC Stick-up Intact		
Well Cap Present		
Security Lock Present		

PID SCREENING MEAS.

Background	
Well Mouth	

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: ☐ 2 inch ☐ 4 inch ☐ 6 inch ☑ 1 inch

WELL MATERIAL: ☒ PVC ☐ SS ☐ ___

Well Depth _____ ft. ☐ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth _____ ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: _____

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling:

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	18:05	1815	18:20	18:25						
Temp. (C)	20.93	20.95	20.96	20.96						
Conduct. (µmhos/cm)	352	352	352	352						
DO (mg/l)	0.17	0.17	0.17	0.17						
pH (Std. Units)	6.36	6.36	6.35	6.35						
Eh (millivolts)	-30.7	-26	-24	-22						
Turb. (NTU)	13	12	11	10						
Flow (ml/min)	20	20	20	20						
Depth To Water (ft)	1.54	1.54	1.54	1.54						
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	X	X
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate:

YSI 650 XL w/ Display, Solinst interface probe, QED MP15 Controlled with CO2 gas, Lamotte 2020 Turbidity Meter, Thermo PID

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	No	HCl	2 – 40 mL VOA	18:30	MW 31	

Signed: _____

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
City of New Bedford – NBHS	115058	3/8/2011 1445	

Well Identification: MW-32

TRC Personnel: A. Drouin 8.18

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present		

Protective Casing Stick-up (from ground): NA ft.

Riser Stick-up (from ground): NA ft.

Well Depth: ~~1.100~~ ASP ft. [X] top of riser [ ] top of casing [X] measured [ ] historical

Water Depth: 1.66 ft.

LNAPL/DNAPL Depth = ____ Thickness = ____

WELL DIAMETER [ ] 2 inch [ ] 4 inch [ ] 6 inch [X] 1 inch

WELL MATERIAL [X] PVC [ ] SS [ ] ____

PID SCREENING MEAS.

Background	0.6
Well Mouth	193.3

LOW FLOW DATA

Depth of pump intake: 5.33

Static water level after pump put into well: 1.61

Initial purge Rate/ Water Level (100-400 ml/min): 30 ml/min

Adjusted purge Rates/time/WL(record changes): None

Flow rate at time of sampling: 30

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1540	1540	1550	1555	1600	1605	1610	1615	1620	1625
Temp. (C)	22.23	22.24	22.25	22.26	22.26	22.26	22.26	22.26	22.26	22.25
Conduct. (µmhos/cm)	400	398	394	391	388	384	378	377	375	373
DO (mg/l)	0.59	0.54	0.51	0.51	0.44	0.45	0.45 mg	0.46	0.41	0.44
pH (Std. Units)	6.59	6.59	6.59	6.59	6.59	6.60	6.62	6.62	6.63	6.64
Eh (millivolts)	-32.8	-34.3	-36.3	-37.5	-40	-41.2	-42.3	-42.7	-43.4	-43.8
Turb. (NTU)	43.5	38.7	30.9	30.9	29.1	25.8	22.7	21.4	21.3	20.2
Flow (ml/min)	30	33	30	30	30	30	33	33	30	30
Depth To Water (ft)	1.67	1.67	1.67	1.67	1.65	1.65	1.65	1.65	1.65	1.65

Time	1630	1635	1640	1645	1647					
Temp. (C)	22.24	22.25	22.24	22.24	22.24					
Conduct. (µmhos/cm)	370	367	366	365	365					
DO (mg/l)	0.42	0.39	0.40	0.42	0.42					
pH (Std. Units)	6.64	6.65	6.66	6.66	6.66					
Eh (millivolts)	-41.5	-44.1	-44.4	-44.5	-44.5					
Turb. (NTU)	17.9	14.5	15.2	15.1	13.6					
Flow (ml/min)	33	33	30	30	30					
Depth To Water (ft)	1.65	1.65	1.65	1.65	1.65					

Turbidity likely due to slight yellowish hue to water. Turbidity low enough for VOCs. No visable sediment.

Pump Type	Purge	Sample
Peristaltic Pump	[ ]	[ ]
Submersible Pump	[ ]	[ ]
Bladder Pump	X	X
Other: ____	[ ]	[ ]

Description of Sampling Equipment and Flow Rate:

YSI ~~650~~ 556 XL w/ Display, ~~Solinst interface~~ Heron probe, QED MP10 Controlled with ~~CO2~~ N gas, Lamotte 2020e Turbidity Meter, Thermo PID

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	No	HCl	2 – 40 mL VOA	1655	MW-32	—

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Signed: [signature]

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
City of New Bedford – NBHS	115058	3/8/2011 1730	

Well Identification: MW-33

TRC Personnel: A. Drouin

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present		

Protective Casing Stick-up (from ground): NA ft.

Riser Stick-up (from ground): NA ft.

Well Depth: 8.89 ft. [X] top of riser [ ] top of casing [X] measured [ ] historical

Water Depth: 1.64 ft.

LNAPL/DNAPL Depth = ____ Thickness = ____

WELL DIAMETER: [ ] 2 inch [ ] 4 inch [ ] 6 inch [X] 1 inch

WELL MATERIAL: [X] PVC [ ] SS [ ] ____

PID SCREENING MEAS.

Background	0.0
Well Mouth	0.0

LOW FLOW DATA

Depth of pump intake: 5.3

Static water level after pump put into well: 1.60

Initial purge Rate/ Water Level (100-400 ml/min): 34 ml/min

Adjusted purge Rates/time/WL(record changes): ↑ pressure to ↑ rate to 40 ml

Flow rate at time of sampling: 40 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals) 1910 1915

Time	1820	1825	1830	1835	1840	1845	1850	1930	1935	1945
Temp. (C)	20.23	20.18	20.17	Allowing	20.14	20.08	20.08	20.09	20.1	20.11
Conduct. (µmhos/cm)	342	334	331	to pump,	327	324	323	323	323	323
DO (mg/l)	1.47	1.11	0.76	to JF	0.36	0.16	0.16	0.14	0.10	0.15
pH (Std. Units)	6.62	6.66	6.70	help JF	6.77	6.81	6.82	6.84	6.85	6.85
Eh (millivolts)	-52.3	-54.1	-55.9	move	-70.0	-70.5	-76.6	-78.4	-79.1	-83.9
Turb. (NTU)	55.1	92.9	114	set up to	140	136	143	110	102.8	87.0
Flow (ml/min)	34	30	33	MW-5	33	33	40	40	40	40
Depth To Water (ft)	1.74	1.74	1.75		1.74	1.74	1.74	1.75	1.75	1.75

Time	1955	2000	2005	2010	2015	2020
Temp. (C)	20.11	20.12	20.12	20.12	20.12	20.12
Conduct. (µmhos/cm)	324	324	324	324	324	324
DO (mg/l)	0.16	0.15	0.15	0.12	0.14	0.15
pH (Std. Units)	6.85	6.85	6.85	6.85	6.85	6.85
Eh (millivolts)	-84.2	-79.5	-85.5	-78.6	-78.9	-81.1
Turb. (NTU)	77.8	63.2	64.9	52.0	49.6	46.5
Flow (ml/min)	40	40	40	40	40	40
Depth To Water (ft)	1.75	1.75	1.75	1.74	1.74	1.75

purged for 2 hours, sampling - Turbidity not falling substantially under 50 OK for VOCs

Pump Type	Purge	Sample
Peristaltic Pump	[ ]	[ ]
Submersible Pump	[ ]	[ ]
Bladder Pump	[X]	[X]
Other: ____	[ ]	[ ]

Description of Sampling Equipment and Flow Rate:

YSI ~~650~~ 556 XL w/ Display, ~~Solinst interface~~ Heron probe, QED MP10 Controlled with ~~CO2~~ N gas, Lamotte 2020e Turbidity Meter, Thermo PID

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	No	HCl	2 – 40 mL VOA	2025	MW-33	—

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Signed: Albert Drouin

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
New Bedford	115058	3/25/11 1700	

Well Identification: MW-27D

TRC Personnel: Jason Fiero

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	■	☐
Concrete Collar Intact	■	☐
PVC Stick-up Intact	■	☐
Well Cap Present	■	☐
Security Lock Present	☐	■

PID SCREENING MEAS.

Background	0 ppm
Well Mouth	45 ppm

Protective Casing Stick-up (from ground) 0 ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: ■ 2 inch ☐ 4 inch ☐ 6 inch ☐ ____

WELL MATERIAL: ■ PVC ☐ SS ☐ ____

Well Depth 16.65 ft. ☐ top of riser ■ top of casing ☐ _____ ☐ measured ■ historical

Water Depth 1.70 ft. LNAPL/DNAPL Depth = _____ Thickness = 0

LOW FLOW DATA

Depth of pump intake: 9 ft

Static water level after pump put into well 1.65 ft

Initial purge Rate/ Water Level (100-400 ml/min): 240 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 240 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1700	1730	1735	1740	1745	1750	1755	1800		
Temp. (C)	Begin	19.94	19.95	19.95	19.96	19.97	19.97	Sample		
Conduct. (µmhos/cm)	Purging	248	247	244	242	240	239	for		
DO (mg/l)		0.35	0.35	0.34	0.32	0.31	0.31	VOCs		
pH (Std. Units)		6.01	6.01	6.01	6.01	6.01	6.01			
Eh (millivolts)		164	164.4	161.1	158	157	159			
Turb. (NTU)		1.54	1.49	1.43	1.28	1.26	1.24			
Flow (ml/min)		240	240	240	240	240	240			
Depth To Water (ft)		1.70	1.70	1.70	1.70	1.70	1.70			
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	■	■
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate:

QED Sample Pro Pump w/ MP10 Controller, LaMotte 2020, YSI 600 XL Sonde, Solinst IP

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOC's	N	HCl	2x 40ml VOA	1800	MW-27D	

Signed: _____

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
New Bedford	115058	3/25/11 1810	

Well Identification: MW-27R

TRC Personnel: Jason Fiero

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	■	
Concrete Collar Intact	■	
PVC Stick-up Intact	■	
Well Cap Present	■	
Security Lock Present		■

Note: Product on Pump

PID SCREENING MEAS.

Background	0 ppm
Well Mouth	190 ppm

Protective Casing Stick-up (from ground) 0 ft.

Riser Stick-up (from ground) ____ ft.

WELL DIAMETER: ☐ 2 inch ■ 4 inch ☐ 6 inch ☐ ____

WELL MATERIAL: ■ PVC ☐ SS ☐ ____

Well Depth 11 ft. ☐ top of riser ■ top of casing ☐ ____ ☐ measured ■ historical

Water Depth 1.75 ft. LNAPL/DNAPL Depth = ____ Thickness = 0

LOW FLOW DATA

Depth of pump intake: 6.5 ft

Static water level after pump put into well 1.70 ft

Initial purge Rate/ Water Level (100-400 ml/min): 260 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 260 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1810	1815	1820	1825	1830	1835	1840			
Temp. (C)	Begin	20.72	20.88	21.00	21.09	21.12	Sample			
Conduct. (µmhos/cm)	Purging	296	291	298	288	286	for			
DO (mg/l)		0.42	0.31	0.30	0.31	0.32	VOCs			
pH (Std. Units)		6.21	6.20	6.20	6.20	6.20				
Eh (millivolts)		-91	-97	-98	-96	-95				
Turb. (NTU)		7.2	5.01	3.34	3.44	3.39				
Flow (ml/min)		260	260	260	260	260				
Depth To Water (ft)		1.75	1.75	1.75	1.75	1.75				
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	■	■
Other: ____	☐	☐

Description of Sampling Equipment and Flow Rate:

QED Sample Pro Pump w/ MP10 Controller, LaMotte 2020, YSI 600 XL Sonde, Solinst IP

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOC's	N	HCl	2x 40ml VOA	1840	MW-27R	

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Signed: ____

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
New Bedford	115058	3/25/11 1710	

Well Identification: MW-28

TRC Personnel: Jason Fiero

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	■	☐
Concrete Collar Intact	■	☐
PVC Stick-up Intact	■	☐
Well Cap Present	■	☐
Security Lock Present	☐	■

PID SCREENING MEAS.

Background	0 ppm
Well Mouth	7.2 ppm

Protective Casing Stick-up (from ground) 0 ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: ☐ 2 inch ☐ 4 inch ☐ 6 inch ■ 1 inch

WELL MATERIAL: ■ PVC ☐ SS ☐ ___

Well Depth 11.66 ft. ☐ top of riser ■ top of casing ☐ _____ ☐ measured ■ historical

Water Depth 1.75 ft. LNAPL/DNAPL Depth = _____ Thickness = 0

LOW FLOW DATA

Depth of pump intake: 7 ft

Static water level after pump put into well 1.70 ft

Initial purge Rate/ Water Level (100-400 ml/min): 40 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 40 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1710	1740	1745	1750	1755	1800	1805	1810	1815	
Temp. (C)	Begin	22.36	22.44	22.49	22.54	22.58	22.62	22.64	Sample	
Conduct. (µmhos/cm)	Purging	297	298	298	298	298	298	298	for	
DO (mg/l)		0.77	0.71	0.68	0.64	0.60	0.59	0.56	VOCs	
pH (Std. Units)		6.20	6.20	6.19	6.19	6.19	6.19	6.19		
Eh (millivolts)		-7.3	-7.9	-7.9	-8.1	-8.3	-8.3	-8.5		
Turb. (NTU)		16.7	13.3	12.8	11.6	10.2	8.8	7.5		
Flow (ml/min)		40	40	40	40	40	40	40		
Depth To Water (ft)		1.70	1.70	1.70	1.70	1.70	1.70	1.70		
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	■	■
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate:

QED Sample Pro Pump w/ MP10 Controller, LaMotte 2020, YSI 600 XL Sonde, Solinst IP

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOC's	N	HCl	2x 40ml VOA	1815	MW-28	

Signed: _____

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
New Bedford	115058	3/25/11 1820	

Well Identification: MW-32

TRC Personnel: Jason Fiero

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	■	☐
Concrete Collar Intact	■	☐
PVC Stick-up Intact	■	☐
Well Cap Present	■	☐
Security Lock Present	☐	■

PID SCREENING MEAS.

Background	0 ppm
Well Mouth	190 ppm

Protective Casing Stick-up (from ground) 0 ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: ☐ 2 inch ☐ 4 inch ☐ 6 inch ■ 1 inch

WELL MATERIAL: ■ PVC ☐ SS ☐ ___

Well Depth 8.39 ft. ☐ top of riser ■ top of casing ☐ _____ ☐ measured ■ historical

Water Depth 1.78 ft.

LNAPL/DNAPL Depth = _____ Thickness = 0

LOW FLOW DATA

Depth of pump intake: 5 ft

Static water level after pump put into well 1.73 ft

Initial purge Rate/ Water Level (100-400 ml/min): 60 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 60 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1820	1830	1835	1840	1845	1850	1855	1900	1905	
Temp. (C)	Begin	21.38	21.42	21.46	21.48	21.52	21.57	21.59	Sample	
Conduct. (µmhos/cm)	Purging	364	364	365	365	364	364	364	for	
DO (mg/l)		1.22	1.10	0.96	0.91	0.88	0.82	0.80	VOCs	
pH (Std. Units)		6.53	6.54	6.55	6.56	6.58	6.59	6.60	and	
Eh (millivolts)		-45	-44.8	-44.7	-44.6	-42	-40	-39	DUP-1	
Turb. (NTU)		10.04	9.97	9.82	9.56	9.48	9.44	9.4		
Flow (ml/min)		60	60	60	60	60	60	60		
Depth To Water (ft)		1.78	1.78	1.78	1.78	1.78	1.78	1.78		
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	■	■
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate:

QED Sample Pro Pump w/ MP10 Controller, LaMotte 2020, YSI 600 XL Sonde, Solinst IP

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOC's	N	HCl	2x 40ml VOA	1905	MW-32	
VOC's	N	HCl	2x 40ml VOA	1905	DUP-1	

Signed: _____

TRC

Low-flow Groundwater Sampling Data Record

Project: NBHS	**Project No.:** 115058	**Date/Time:** 4/11 16:45	**Sheet** 1 **of** 1
TRC Personnel: JASON FIERO			

Well Identification: MW-5

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact		
PVC Stick-up Intact	✓	
Well Cap Present	•	✓
Security Lock Present		

PID SCREENING MEAS.

Background	0
Well Mouth	0

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ☐ 2 inch ☐ 4 inch ☐ 6 inch ✓ 1"

WELL MATERIAL ✓ PVC ☐ SS ☐ ____

Well Depth ~~1.72~~ 17 ft. ✓ top of riser ✓ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 1.72 ft. LNAPL/DNAPL Depth = N/A Thickness =

LOW FLOW DATA

Depth of pump intake: ~6'

Static water level after pump put into well 1.72'

Initial purge Rate/ Water Level (100-400 ml/min): 60 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 60 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-6 minute intervals)

Time	17:30	17:35	17:40	17:45	17:50	17:55	18:00			
Temp. (C)	19.5	19.5	19.5	19.5	19.5	19.6	19.7			
Conduct. (µmhos/cm)	348.8	346	342.6	341	340.6	340.8	341			
DO (mg/l)	0.45	0.39	0.33	0.33	0.32	0.33	0.33			
pH (Std. Units)	6.4	6.4	6.41	6.41	6.41	6.42	6.42			
Eh (millivolts)	-0.2	1.1	1.5	2.1	2.2	2.4	2.6			
Turb. (NTU)	3.88	2.46	2.11	2.11	2.21	2.2	2.18			
Flow (ml/min)	60	60	60	60	60	60	60			
Depth To Water (ft)	1.72	1.72	1.72	1.72	1.72	1.72	1.72			
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI Quatro Pro Plus, 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen Gas, Solinst WLI, LaMotte 2020e

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCL	2 VOA vials	18:00	MW-5	

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Signed: JCF

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
NBHS	115058	7/8/11 17:30	

TRC Personnel: JASON FIERO

Well Identification: MW 5D

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		

PID SCREENING MEAS.

Background	0
Well Mouth	0

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ✓ 2 inch ☐ 4 inch ☐ 6 inch

WELL MATERIAL ✓ PVC ☐ SS ☐ ___

Well Depth 18 ft. ✓ top of riser ☐ top of casing ☐ _____ ✓ measured ☐ historical

Water Depth 1.05 ft. LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake: ~~17'~~ ~15'

Static water level after pump put into well 1.05'

Initial purge Rate/ Water Level (100-400 ml/min):

Adjusted purge Rates/time/WL(record changes) 160 ml/min

Flow rate at time of sampling: 160 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	18:10	18:15	18:20	18:25	18:30	18:35	18:40	18:45	18:50	19:00
Temp. (C)	13.1	13.1	13.1	13.2	13.2	13.1	13.1	13.2	13.2	13.2
Conduct. (µmhos/cm)	300.6	300.8	300.7	300.7	300.6	300	299.6	300.1	300.2	300.3
DO (mg/l)	1.03	1.02	0.97	0.89	0.84	0.83	0.82	0.83	0.82	0.80
pH (Std. Units)	5.91	5.90	5.9	5.9	5.91	5.9	5.9	5.9	5.9	5.91
Eh (millivolts)	75	78.8	80.4	81	81.5	82.2	83	82.8	83.3	84.6
Turb. (NTU)	65.3	54.6	55.7	49.6	42.5	42.2	41.8	41.3	34.7	32.4
Flow (ml/min)	160	160	160	160	160	160	160	160	160	160
Depth To Water (ft)	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05

Time	19:05	19:10	19:15	19:20	19:25	19:30				
Temp. (C)	13.2	13.2	13.2	13.2	13.2	Begin				
Conduct. (µmhos/cm)	300.1	300.1	299.9	299.7	299.4	Sampling				
DO (mg/l)	0.8	0.8	0.79	0.77	0.76					
pH (Std. Units)	5.91	5.91	5.91	5.91	5.92					
Eh (millivolts)	84.4	84.3	84.3	83.6	83.3					
Turb. (NTU)	32.3	31	29.9	29.6	29.3					
Flow (ml/min)	160	160	160	160	160					
Depth To Water (ft)	1.05	1.05	1.05	1.05	1.05					

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI Quatro Pro Plus, 1½" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen Gas, Solinst WLI, LaMotte 2020e

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCL	2 VOA 40ml	19:30	MW 5D	

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Rev: 1 Feb 2007

Signed: _____

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
NBHS	115058	4/8/11 1650	

Well Identification: MW-27D

TRC Personnel: Zack Richards

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		✓

Protective Casing Stick-up (from ground) 0 ft.

Riser Stick-up (from ground) ____ ft.

WELL DIAMETER: ✓ 2 inch; 4 inch; 6 inch

WELL MATERIAL: ✓ PVC; SS; ___

Well Depth 16.65 ft. ☐ top of riser ✓ top of casing ☐ ___ ☐ measured ✓ historical

Water Depth 1.45 ft. LNAPL/DNAPL Depth = Ø Thickness =

LOW FLOW DATA

Depth of pump intake: ~14'

Static water level after pump put into well 1.45'

Initial purge Rate/ Water Level (100-400 ml/min): 100 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 100 ml/min

PID SCREENING MEAS.

Background	0 ppm
Well Mouth	42 ppm

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time *	1710	1715	1720	1725	1730	1735	1740	1745	1750	1755
Temp. (C)	20.2	20.3	20.3	20.2	20.2	20.0	20.0	19.8	19.8	19.8
Conduct. (µmhos/cm)	302.3	302.2	302.2	302.1	301.8	301.6	301.3	301.4	301.2	300.7
DO (mg/l)	1.07	0.65	0.53	0.47	0.42	0.39	0.37	0.22	0.20	0.18
pH (Std. Units)	5.86	5.86	5.85	5.85	5.85	5.85	5.84	5.84	5.84	5.84
Eh (millivolts)	121.0	119.9	118.7	117.6	116.3	115.7	114.9	113.9	113.4	112.4
Turb. (NTU)	4.0	3.0	2.4	2.8	2.1	2.7	2.5	2.0	1.7	1.3
Flow (ml/min)	100	100	100	100	100	100	100	100	100	100
Depth To Water (ft)	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Time	1800	1805	1810							
Temp. (C)	19.8	19.8	Parameters							
Conduct. (µmhos/cm)	300.1	299.8	Stabalized							
DO (mg/l)	0.17	0.17	Begin							
pH (Std. Units)	5.84	5.84	Sampling							
Eh (millivolts)	111.6	110.5								
Turb. (NTU)	1.5	1.2								
Flow (ml/min)	100	100								
Depth To Water (ft)	1.45	1.45								

* Began Purging @ 1700

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: ____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI Quatro Pro Plus, 1½" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen Gas, Solinst WLI, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	2x VOA 40ml	1810	MW-27D	

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Signed: [signature]

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
NBHS	115058	4/8/11 1815	

TRC Personnel: Zack Richards

Well Identification: MW-27R

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		✓

PID SCREENING MEAS.

Background	0
Well Mouth	8.5 ppm

Protective Casing Stick-up (from ground) 0 ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ☐ 2 inch ✓ 4 inch ☐ 6 inch ☐ ____

WELL MATERIAL ✓ PVC ☐ SS ☐ ____

Well Depth 11 ft. ☐ top of riser ✓ top of casing ☐ ____ ☐ measured ✓ historical

Water Depth 1.42 ft. LNAPL/DNAPL Depth = Ø Thickness =

LOW FLOW DATA

Depth of pump intake: ~8 ft

Static water level after pump put into well 1.42

Initial purge Rate/ Water Level (100-400 ml/min): 240 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 240 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-6 minute intervals)

Time	1820	1825	1830	1835	1840	1845	1850	1855	1900	
Temp. (C)	Begin	20.5	20.5	20.5	20.6	20.6	20.7	20.7	Parameters	
Conduct. (µmhos/cm)	Purging	341.0	341.0	341.2	341.5	341.8	342.2	342.7	Stabilized	
DO (mg/l)	Filling	0.48	0.24	0.19	0.16	0.16	0.16	0.17	Begin	
pH (Std. Units)	Up YSI	6.08	6.08	6.08	6.08	6.08	6.09	6.09	Sampling	
Eh (millivolts)		7.1	-5.7	-10.8	-17.0	-20.1	-22.5	-24.0		
Turb. (NTU)		2.3	1.1	1.3	1.0	1.2	1.1	1.1		
Flow (ml/min)	240	240	240	240	240	240	240	240		
Depth To Water (ft)	1.42	1.42	1.42	1.42	1.42	1.42	1.42	1.42		
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: ____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI Quatro Pro Plus, 1 1/2" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen Gas, Solinst WLI, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	2x VOA 40ml	1900	MW-27R	

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Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 2
NBHS	115058	9/11/11 1640	

Well Identification: MW-28

TRC Personnel: Zack Richards

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present ZLR	✓	✓
Security Lock Present		✓

PID SCREENING MEAS.

Background	0 ppm
Well Mouth	39 ppm

Protective Casing Stick-up (from ground) 0 ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ☐ 2 inch ☐ 4 inch ☐ 6 inch ☑ 1 inch

WELL MATERIAL ☑ PVC ☐ SS ☐ —

Well Depth 11.66 ft. ☐ top of riser ☑ top of casing ☐ _____ ☐ measured ☑ historical

Water Depth 1.63 ft. LNAPL/DNAPL Depth = Ø

Thickness =

LOW FLOW DATA

Depth of pump intake: ~8 ft

Static water level after pump put into well 1.62

Initial purge Rate/ Water Level (100-400 ml/min): 25 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 25 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1650	1720	1725	1730	1735	1740	1745	1750	1755	1800
Temp. (C)	Begin	22.9	22.9	22.9	23.0	23.0	23.0	23.1	23.2	23.2
Conduct. (µmhos/cm)	Purging	313.3	313.2	329.9	329.4	328.5	328.4	328.2	328.1	327.9
DO (mg/l)	Filling	0.76	0.70	0.64	0.60	0.51	0.46	0.42	0.39	0.35
pH (Std. Units)	Up YSI	6.21	6.21	6.21	6.20	6.20	6.19	6.19	6.19	6.19
Eh (millivolts)	~~-4.9~~	-4.9	-4.5	-3.8	-2.9	-2.7	-2.6	-2.8	-2.7	-2.7
Turb. (NTU)		20	27	39	45	40	41	34	26	23
Flow (ml/min)	25	25	25	25	25	25	25	25	25	25
Depth To Water (ft)	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
Time	1805	1810	1815	1820	1825	1830	1835	1840	1845	1850
Temp. (C)	23.1	23.0	22.9	22.9	22.9	22.8	22.8	22.8	22.7	22.7
Conduct. (µmhos/cm)	327.6	327.6	327.3	327.1	327.1	327.1	327.1	327.1	327.2	327.6
DO (mg/l)	0.33	0.32	0.31	0.32	0.32	0.31	0.30	0.29	0.28	0.28
pH (Std. Units)	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19
Eh (millivolts)	-2.6	-2.2	-2.1	-2.1	-2.0	-1.9	-1.7	-1.7	-1.6	-1.6
Turb. (NTU)	20	20	16	14	15	15	13	12	11	11
Flow (ml/min)	25	25	25	25	25	25	25	25	25	25
Depth To Water (ft)	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI Quatro Pro Plus, 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen Gas, Solinst WLI, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	2x VOA 40ml	1910	MW-28	

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Signed: _____

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 2 of 2
NBHS	115058	4/11/11 1640	

Well Identification: MW-28

TRC Personnel: Zack Richards

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present		✓
Security Lock Present		✓

PID SCREENING MEAS.

Background	0 ppm
Well Mouth	39 ppm

Protective Casing Stick-up (from ground) 0 ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ☐ 2 inch ☐ 4 inch ☐ 6 inch ☑ 1 inch

WELL MATERIAL ☑ PVC ☐ SS ☐ ___

Well Depth 11.66 ft. ☐ top of riser ☑ top of casing ☐ measured ☑ historical

Water Depth 1.63 ft.

LNAPL/DNAPL Depth = ∅

Thickness =

LOW FLOW DATA

Depth of pump intake: ~8 ft

Static water level after pump put into well 1.62

Initial purge Rate/ Water Level (100-400 ml/min): 25 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 25 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1855	1900	1905	1910						
Temp. (C)	22.7	22.7	22.7	Parameters						
Conduct. (µmhos/cm)	327.4	327.3	327.2	Stabalized						
DO (mg/l)	0.27	0.27	0.26	Begin						
pH (Std. Units)	6.19	6.19	6.19	Sampling						
Eh (millivolts)	-1.4	-1.4	-1.4							
Turb. (NTU)	9.6	9.6	9.6							
Flow (ml/min)	25	25	25							
Depth To Water (ft)	1.63	1.63	1.63							
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI Quatro Pro Plus, 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen Gas, Solinst WLI, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	2x VOA 40 ml	1910	MW-28	

Signed: [signature]

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
NBHS	115058	4/11/11 1710	

Well Identification: MW-31

TRC Personnel: Zack Richards

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	✓
Security Lock Present		✓

Protective Casing Stick-up (from ground) 0 ft.

Riser Stick-up (from ground) _____ ft.

Well Depth 9 ft. ☐ top of riser ☑ top of casing ☐ measured ☑ historical

Water Depth 1.56 ft. LNAPL/DNAPL Depth = Ø Thickness =

WELL DIAMETER ☐ 2 inch ☐ 4 inch ☐ 6 inch ☑ 1 inch

WELL MATERIAL ☑ PVC ☐ SS ☐ —

PID SCREENING MEAS.

Background	0 ppm
Well Mouth	0 ppm

LOW FLOW DATA

Depth of pump intake: ~6.5'

Static water level after pump put into well 1.56'

Initial purge Rate/ Water Level (100-400 ml/min): 40 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 40 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1715	1750	1755	1800	1805	1810	1815	1820	1825	1830
Temp. (C)	Begin	20.61	20.61	20.61	20.62	20.63	20.65	20.65	20.64	Parameters
Conduct. (µmhos/cm)	Purging	455	457	458	458	458	459	458	458	Stabalized
DO (mg/l)	Filling	0.65	0.62	0.60	0.57	0.55	0.53	0.52	0.51	Begin
pH (Std. Units)	Up YSI	6.45	6.45	6.46	6.46	6.46	6.46	6.46	6.46	Sampling
Eh (millivolts)		8.8	7.3	6.4	5.4	5.2	4.9	4.9	4.9	
Turb. (NTU)		10	9.4	7.5	6.5	5.4	4.8	4.7	4.1	
Flow (ml/min)	40	40	40	40	40	40	40	40	40	
Depth To Water (ft)	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI 600 XL Sonde, 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen Gas, Solinst WLI, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	2x VOA 40 ml	1830	MW-31	

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Signed: [signature]

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
NBHS	115058	4/8/11 1700	

Well Identification: ~~TRC~~ ZLR MW-32

TRC Personnel: Zack Richards

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present ZLR		✓
Security Lock Present		✓

PID SCREENING MEAS.

Background	0 ppm
Well Mouth	111 ppm

Protective Casing Stick-up (from ground) 0 ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: 2 inch; 4 inch; 6 inch; ✓ 1 inch

WELL MATERIAL: ✓ PVC; SS; ___

Well Depth 8.39 ft. ☐ top of riser ✓ top of casing ☐ _____ ☐ measured ✓ historical

Water Depth 1.65 ft. LNAPL/DNAPL Depth = 0 Thickness =

LOW FLOW DATA

Depth of pump intake: ~~ZLR 6.5'~~ ~6'

Static water level after pump put into well 1.64'

Initial purge Rate/ Water Level (100-400 ml/min): 50 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 50 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1703	1710	1715	1720	1725	1730	1735	1740	1745	1750
Temp. (C)	Begin	21.7	21.0	21.8	21.8	21.9	21.9	21.9	21.9	Parameters
Conduct. (µmhos/cm)	Purging	398.2	399.7	399.5	400.0	399.6	400.1	400.4	400.1	Stabilized
DO (mg/l)	Filling	0.94	1.15	1.33	1.42	1.52	1.59	1.66	1.69	Begin
pH (Std. Units)	Up YSI	6.52	6.56	6.59	6.60	6.61	6.61	6.62	6.62	Sampling
Eh (millivolts)		-34.5	-42.6	-41.9	-38.2	-35.3	-33.9	-32.4	-31.1	
Turb. (NTU)		8.8	6.1	6.0	5.4	3.7	3.1	2.4	2.2	
Flow (ml/min)	50	50	50	50	50	50	50	50	50	
Depth To Water (ft)	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI QuatroPro Plus, 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen Gas, Solinst WLI, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	2x VOA 40ml	1750	MW-32	
DUP (VOCs)	N	HCl	2x VOA 40ml	1850	DUP	

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Signed: [signature]

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
NBHS	115058	4/12/11 1400	

Well Identification: MW-33

TRC Personnel: Zack Richards / Jason Piero

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present		✓
Security Lock Present		✓

PID SCREENING MEAS.

Background	0 ppm
Well Mouth	0.8 ppm

Protective Casing Stick-up (from ground) 0 ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ☐ 2 inch ☐ 4 inch ☐ 6 inch ☑ 1 inch

WELL MATERIAL ☑ PVC ☐ SS ☐ —

Well Depth 9 ft. ☐ top of riser ☑ top of casing ☐ _____ ☐ measured ☑ historical

Water Depth 1.71 ft. LNAPL/DNAPL Depth = ∅ Thickness =

LOW FLOW DATA

Depth of pump intake: ~6 ft

Static water level after pump put into well 1.71'

Initial purge Rate/ Water Level (100-400 ml/min): 60 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 60 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1405	1410	1415	1420	1425	1430	1435	1440	1445	1450
Temp. (C)	Begin	20.8	20.7	20.7	20.7	20.7	20.6	20.6	20.6	20.6
Conduct. (µmhos/cm)	Purging	360.3	361.5	367.7	369.7	369.9	370.0	370.6	371.3	372.2
DO (mg/l)	Filling	0.44	0.37	0.37	0.37	0.36	0.34	0.35	0.36	0.36
pH (Std. Units)	Up YSI	6.30	6.32	6.38	6.39	6.39	6.39	6.40	6.40	6.40
Eh (millivolts)		-4.2	-3.9	-7.3	-9.5	-10.6	-11.8	-12.5	-13.5	-14.0
Turb. (NTU)		37.0	29.1	22.3	12.6	10.59	8.27	7.47	5.98	5.77
Flow (ml/min)	60	60	60	60	60	60	60	60	60	60
Depth To Water (ft)	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71	1.71

Time	1455	1500	1505	1510						
Temp. (C)	20.6	20.6	20.6	Parameter						
Conduct. (µmhos/cm)	372.4	372.5	372.7	Stabilized						
DO (mg/l)	0.38	0.38	0.37	Begin						
pH (Std. Units)	6.40	6.40	6.40	Sampling						
Eh (millivolts)	-14.5	-14.5	-14.1							
Turb. (NTU)	5.50	1.50	1.46							
Flow (ml/min)	60	60	60							
Depth To Water (ft)	1.71	1.71	1.71							

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI Quatro Pro Plus, 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen Gas, Solinst WLI, LaMotte 2020e

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	2x VOA 40ml	1510	MW-33	

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Signed: [signature]

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project: NBHS MECH ROOM | Project No.: | Date/Time: 4/29 15:36 | Sheet 1 of 1

Well Identification: MW-5

TRC Personnel: Jason Fiero

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact		
Well Cap Present	✓	
Security Lock Present		

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: ☑ 1 inch ☐ 4 inch ☐ 6 inch ☑ 1"

WELL MATERIAL: ☑ PVC ☐ SS ☐ ___

Well Depth 17 ft. ☑ top of riser ☐ top of casing ☐ _____ ☐ measured ☐ historical

Water Depth 1.85 ft. LNAPL/DNAPL Depth = N/A Thickness =

LOW FLOW DATA

Depth of pump intake: 14'

Static water level after pump put into well 1.85'

Initial purge Rate/ Water Level (100-400 ml/min): 60 ml/min @ 1550

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 60 ml/min

PID SCREENING MEAS.

Background	0
Well Mouth	0

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	16:00	16:05	16:10	16:15	16:20	16:25	16:30	16:35	16:40	16:45
Temp. (C)	22.3	22.31	22.32	22.35	22.36	22.37	22.38	22.38	22.38	Sample
Conduct. (µmhos/cm)	369	366	364	362	360	359	358	358	357	Collected
DO (mg/l)	0.89	0.72	0.65	0.58	0.53	0.49	0.47	0.45	0.44	
pH (Std. Units)	6.3	6.26	6.21	6.2	6.18	6.17	6.16	6.15	6.15	
Eh (millivolts)	-19	-12	-5	-1	1	2.8	3.9	4.2	4.5	
Turb. (NTU)	4.77	2.3	1.57	1.46	1.38	1.36	1.35	1.34	1.34	
Flow (ml/min)	60	60	60	60	60	60	60	60	60	
Depth To Water (ft)	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI 600 XL, 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen gas, Solinst IP, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
8260	N	HCl	2 VOA	16:45	MW-5	

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Signed: Jason C. Fiero

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 2
NBHS	115058	4/28/11 1620	

Well Identification: MW-5D

TRC Personnel: Zack Richards

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		✓

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: ✓ 2 inch; 4 inch; 6 inch

WELL MATERIAL: ✓ PVC; SS; ___

Well Depth 18.9 ft. ☒ top of riser ☐ top of casing ☐ _____ ☒ measured ☐ historical

Water Depth 0.79 ft.

LNAPL/DNAPL Depth = _____

Thickness =

LOW FLOW DATA

Depth of pump intake: 16'

Static water level after pump put into well: 0.78'

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 200 ml/min

PID SCREENING MEAS.

Background	0.0
Well Mouth	0.0

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time		1640	1645	1650	16:55	1700	1705	1710	1715	1720
Temp. (C)	Begin	14.75	14.79	14.82	14.83	14.80	14.79	14.78	14.77	14.76
Conduct. (µmhos/cm)	Purging	0.335	0.333	0.331	0.329	0.327	0.325	0.324	0.322	0.321
DO (mg/l)	Filling	1.26	1.15	1.08	1.06	1.05	1.02	0.99	0.96	0.94
pH (Std. Units)	Up YSI	5.92	5.88	5.85	5.85	5.84	5.85	5.85	5.85	5.87
Eh (millivolts)		114.7	108.2	106.4	104.3	103.1	102.7	102.3	100.7	99.6
Turb. (NTU)		73.9	74.2	56.1	49.2	48.4	41.0	36.5	35.2	33.2
Flow (ml/min)	200	200	200	200	200	200	200	200	200	200
Depth To Water (ft)	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
Time	1725	1730	1735	1740	1745	1750	1755	1800	1805	1810
Temp. (C)	14.74	14.73	14.74	14.74	14.74	14.75	14.76	14.78	14.77	14.77
Conduct. (µmhos/cm)	0.319	0.319	0.318	0.317	0.316	0.315	0.315	0.314	0.312	0.312
DO (mg/l)	0.93	0.92	0.92	0.92	0.90	0.90	0.90	0.89	0.87	0.87
pH (Std. Units)	5.88	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89	5.89
Eh (millivolts)	99.5	99.7	100.1	100.3	101.1	102.3	100.9	102.1	102.5	102.8
Turb. (NTU)	29.1	26.8	25.6	23.4	19.4	15.9	18.4	23.9	19.2	17.0
Flow (ml/min)	200	200	200	200	200	200	200	200	200	200
Depth To Water (ft)	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI 600 XL, 1 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen gas, Solinst IP, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOC's	N	HCl	2x 40 ml VOA	1835	MW-5D	

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Signed: [signature]

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 2 of 2
NBHS	115058	4/28/11 1620	

Well Identification: MW-5D

TRC Personnel: Zack Richards

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		✓

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: ✓ 2 inch; 4 inch; 6 inch

WELL MATERIAL: ✓ PVC; SS; ___

Well Depth 18.9 ft. ☒ top of riser; top of casing; ___ ☒ measured; historical

Water Depth 0.79 ft.

LNAPL/DNAPL Depth = ___ Thickness = ___

LOW FLOW DATA

Depth of pump intake: 16'

Static water level after pump put into well: 0.78'

Initial purge Rate/ Water Level (100-400 ml/min): 200 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 200 ml/min

PID SCREENING MEAS.

Background	0.0
Well Mouth	0.0

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1815	1820	1825	1830	1835					
Temp. (C)	17.75	14.74	14.75	14.76	Parameters					
Conduct. (µmhos/cm)	0.311	0.311	0.310	0.310	Stabalized					
DO (mg/l)	0.85	0.83	0.84	0.85	Begin					
pH (Std. Units)	5.90	5.90	5.90	5.90	Sampling					
Eh (millivolts)	103.5	104.1	104.0	104.3						
Turb. (NTU)	15.2	15.9	15.8	16.1						
Flow (ml/min)	200	200	200	200						
Depth To Water (ft)	0.80	0.80	0.80	0.80						
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	✓	✓
Other: ___		

Description of Sampling Equipment and Flow Rate: YSI 600 XL, 1 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen gas, Solinst IP, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	2x 40 ml VOA	1835	MW-5D	

Signed: [signature]

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	
NBHS	115058	4/28 15:30	Sheet 1 of 1

Well Identification: MW-16

TRC Personnel: JASON FIERO

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact		
Well Cap Present	✓	
Security Lock Present		

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: ✓ 2 inch; 4 inch; 6 inch

WELL MATERIAL: ✓ PVC; SS; ___

Well Depth 4.5 ft. ☐ top of riser ✓ top of casing ☐ _____ ✓ measured ☐ historical

Water Depth 1.0 ft.

LNAPL/DNAPL Depth = N/A

Thickness =

LOW FLOW DATA

Depth of pump intake: 2.5

Static water level after pump put into well 1.8

Initial purge Rate/ Water Level (100-400 ml/min): 80 ml/min @ 1555

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 80 ml/min

PID SCREENING MEAS.

Background	0
Well Mouth	0

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	16:05	16:10	16:20	16:30	16:35	16:40	16:45	16-50		
Temp. (C)	14.3	14.2	14.21	14.22	14.21	14.22	14.22	Sample		
Conduct. (µmhos/cm)	792	797	797	798	799	799	800	Collected		
DO (mg/l)	0.71	0.56	0.52	0.48	0.48	0.48	0.47			
pH (Std. Units)	6.58	6.52	6.50	6.49	6.49	6.49	6.48			
Eh (millivolts)	78	76	64	47	45	43	41			
Turb. (NTU)	62	43	18	9.77	9.69	9.66	9.52			
Flow (ml/min)	80	80	80	80	80	80	80			
Depth To Water (ft)	1.2	1.2	1.2	1.2	1.2	1.2	1.2			
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump		
Submersible Pump		
Bladder Pump	✓	✓
Other: _____		

Description of Sampling Equipment and Flow Rate:

YSI 600 XL, 1 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen gas, Solinst IP, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCL	2 VOA	1615D	MW-16	

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Signed: JCF

Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
NBHS	115058	4/23 17:00	

Well Identification: MW-18

TRC Personnel: Jason Fiero

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact		
Well Cap Present	✓	
Security Lock Present		

PID SCREENING MEAS.

Background	0
Well Mouth	0

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ☑ 2 inch ☐ 4 inch ☐ 6 inch

WELL MATERIAL ☑ PVC ☐ SS ☐

Well Depth 10.5 ft. ☑ top of riser ☑ top of casing ☐ _____ ☑ measured ☐ historical

Water Depth 1.15 ft. LNAPL/DNAPL Depth = N/A Thickness =

LOW FLOW DATA

Depth of pump intake: 8'

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 30 ml/min @ 1730

Adjusted purge Rates/time/WL(record changes) 50 ml/min @ 1801

Flow rate at time of sampling: 50 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	17:45	17:50	17:55	18:00	18:05	18:10	18:15	18:20	18:25	18:30
Temp. (C)	15.27	15.3	15.21	15.11	14.88	14.65	14.57	14.49	14.45	14.44
Conduct. (µmhos/cm)	478	477	477	477	477	477	476	475	475	475
DO (mg/l)	1.0	0.94	0.81	0.74	0.72	0.70	0.65	0.6	0.6	0.6
pH (Std. Units)	6.34	6.28	6.24	6.22	6.21	6.21	6.21	6.20	6.2	6.2
Eh (millivolts)	-15.5	-1	-6	-4	-2	0	8	9	13	14
Turb. (NTU)	60.8	52.8	49.4	46	44	40	36	33.4	31	32
Flow (ml/min)	30	30	30	30 ↑	50	50	50	50	50	50
Depth To Water (ft)	1.2	1.2	1.2	1.2	1.2	1.22	1.22	1.22	1.22	1.22
Time	18:35	18:40	18:45							
Temp. (C)	14.42	14.41	Begin							
Conduct. (µmhos/cm)	475	475	Sampling							
DO (mg/l)	0.61	0.62								
pH (Std. Units)	6.21	6.21								
Eh (millivolts)	17	19								
Turb. (NTU)	33	31								
Flow (ml/min)	50	50								
Depth To Water (ft)	1.22	1.22								

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	☑	☑
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI 600 XL, 1 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen gas, Solinst IP, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	2 VOA	18:45	MW-18	

Signed: JCF

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
NBHS	115058	4/29/11 1415	

Well Identification: MW-27D

TRC Personnel: Zack Richards

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		✓

PID SCREENING MEAS.

Background	0.0
Well Mouth	23.0 ppm

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ✓ 2 inch ☐ 4 inch ☐ 6 inch ☐

WELL MATERIAL ✓ PVC ☐ SS ☐ —

Well Depth 16.45 ft. ✓ top of riser ☐ top of casing ☐ _____ ✓ measured ☐ historical

Water Depth 1.16 ft. LNAPL/DNAPL Depth = Ø Thickness =

LOW FLOW DATA

Depth of pump intake: 13'

Static water level after pump put into well 1.16

Initial purge Rate/ Water Level (100-400 ml/min): 300 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 300 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1420	1425	1430	1435	1440	1445	1450	1455	1500	1505
Temp. (C)	Begin	20.62	20.28	20.16	20.11	20.07	20.05	20.03	20.01	20.00
Conduct. (µmhos/cm)	Purging	0.313	0.290	0.289	0.289	0.289	0.288	0.288	0.288	0.287
DO (mg/l)	Filling	1.34	0.66	0.51	0.45	0.43	0.43	0.44	0.46	0.46
pH (Std. Units)	Up YSI	5.84	5.88	5.84	5.81	5.79	5.78	5.77	5.77	5.77
Eh (millivolts)		54.5	61.2	69.4	74.6	78.3	79.7	80.1	81.1	81.7
Turb. (NTU)		5.37	3.92	2.69	1.84	1.94	1.50	1.44	1.39	1.10
Flow (ml/min)	300	300	300	300	300	300	300	300	300	300
Depth To Water (ft)	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Time	1510									
Temp. (C)	Parameters									
Conduct. (µmhos/cm)	Stabilized									
DO (mg/l)	Begin									
pH (Std. Units)	Sampling									
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI 600 XL, 1 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen gas, Solinst IP, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	2x 40 ml VOA	1510	MW-27D	
VOCs	N	HCl	2x 40 ml VOA	1610	DUP-1	

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Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
NBHS	115058	4/29/11 1540	

Well Identification: MW-27R

TRC Personnel: Zack Richards

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present	✓	
Security Lock Present		✓

PID SCREENING MEAS.

Background	0.0
Well Mouth	117.0 ppm

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER ☐ 2 inch ✓ 4 inch ☐ 6 inch ☐ ____

WELL MATERIAL ✓ PVC ☐ SS ☐ ____

Well Depth 10.64 ft. ✓ top of riser ☐ top of casing ☐ ____ ✓ measured ☐ historical

Water Depth 1.28 ft. LNAPL/DNAPL Depth = ∅ Thickness =

LOW FLOW DATA

Depth of pump intake: 8'

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 340 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 340 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1550	1555	1600	1605	1610	1615	1620	1625	1630	1635
Temp. (C)	Begin	20.65	20.68	20.76	20.84	20.90	20.98	21.03	21.10	21.15
Conduct. (µmhos/cm)	Purging	0.332	0.332	0.333	0.333	0.333	0.333	0.334	0.335	0.337
DO (mg/l)	Filling	0.23	0.22	0.18	0.19	0.21	0.23	0.26	0.38	0.46
pH (Std. Units)	Up YSI	6.04	6.03	6.00	6.01	6.00	5.99	6.00	6.00	6.03
Eh (millivolts)		-120.3	-120.6	-120.6	-119.8	-118.9	-118.3	-117.2	-115.2	-114.3
Turb. (NTU)		4.45	3.77	3.49	2.40	2.09	2.31	2.10	2.17	2.93
Flow (ml/min)	340	340	340	340	340	340	340	340	340	340
Depth To Water (ft)	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28

Time	1640	1645	1650	1655	1700	1705				
Temp. (C)	21.22	21.29	21.31	21.37	21.39	Parameters				
Conduct. (µmhos/cm)	0.343	0.349	0.353	0.356	0.355	Stabilized				
DO (mg/l)	0.50	0.56	0.67	0.67	0.69	Begin				
pH (Std. Units)	6.07	6.10	6.13	6.14	6.13	Sampling				
Eh (millivolts)	-115.0	-114.1	-110.3	-107.8	-107.6					
Turb. (NTU)	2.58	2.93	2.65	2.78	3.00					
Flow (ml/min)	340	340	340	340	340					
Depth To Water (ft)	1.28	1.28	1.28	1.28	1.28					

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: ____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI 600 XL, 1 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen gas, Solinst IP, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	2x 40ml VOA	1705	MW-27R	

Signed: [signature]

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 2
NBHS	115058	9/28/11 1710	

Well Identification: MW-28

TRC Personnel: Zack Richards

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present		✓
Security Lock Present		✓

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

Well Depth 11.52 ft. ☒ top of riser ☐ top of casing ☒ measured ☐ historical

Water Depth 1.37 ft. LNAPL/DNAPL Depth = _____ Thickness =

LOW FLOW DATA

Depth of pump intake: 9'

Static water level after pump put into well

WELL DIAMETER ☐ 2 inch ☐ 4 inch ☐ 6 inch ☑ 1 inch

Initial purge Rate/ Water Level (100-400 ml/min): 80 ml/min

Adjusted purge Rates/time/WL(record changes)

PID SCREENING MEAS.

Background	0.0
Well Mouth	1.8 ppm

WELL MATERIAL ☑ PVC ☐ SS ☐ —

Flow rate at time of sampling: 80 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1735	1745	1750	1755	1800	1805	1810	1815	1820	1825
Temp. (C)	Begin	21.77	21.67	21.59	21.55	21.52	21.51	21.50	21.49	21.47
Conduct. (µmhos/cm)	Purging	0.322	0.321	0.320	0.319	0.319	0.319	0.318	0.38	0.318
DO (mg/l)	Filling	1.60	1.32	1.11	1.04	0.99	0.94	0.91	0.87	0.83
pH (Std. Units)	Up YSI	6.22	6.19	6.17	6.17	6.17	6.17	6.16	6.16	6.16
Eh (millivolts)		6.6	4.9	3.0	2.3	1.8	1.6	1.0	0.8	0.4
Turb. (NTU)		432	298	283	196	106.0	63.5	33.7	29.0	22.1
Flow (ml/min)	80	80	80	80	80	80	80	80	80	80
Depth To Water (ft)	1.45	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50
Time	1830	1835	1840	1845	1850	1855	1900	1905	1910	1915
Temp. (C)	21.48	21.49	21.47	21.47	21.46	21.47	21.48	21.49	21.49	21.48
Conduct. (µmhos/cm)	0.318	0.318	0.317	0.318	0.318	0.317	0.317	0.317	0.318	0.318
DO (mg/l)	0.80	0.76	0.74	0.57	0.47	0.47	0.46	0.46	0.46	0.45
pH (Std. Units)	6.16	6.16	6.16	6.16	6.15	6.15	6.15	6.15	6.15	6.15
Eh (millivolts)	0.2	0.2	0.0	0.1	0.3	0.2	0.1	0.1	0.1	0.4
Turb. (NTU)	17.8	13.9	10.85	9.49	8.30	7.89	7.36	6.49	6.71	5.36
Flow (ml/min)	80	80	80	80	80	80	80	80	80	80
Depth To Water (ft)	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	☑	☑
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI 600 XL, 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen gas, Solinst IP, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	2x 40 ml VOAs	1935	MW-28	

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Rev: 1 Feb 2007

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 2 of 2
NBHS	115058	4/28/11 1710	

Well Identification: MW-28

TRC Personnel:

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present		✓
Security Lock Present		✓

PID SCREENING MEAS.

Background	0.0
Well Mouth	1.8 ppm

Protective Casing Stick-up (from ground) _____ ft.

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: ☐ 2 inch ☐ 4 inch ☐ 6 inch ☑ 1 inch

WELL MATERIAL: ☑ PVC ☐ SS ☐ ___

Well Depth 11.52 ft. ☒ top of riser ☐ top of casing ☐ ___ ☒ measured ☐ historical

Water Depth 1.37 ft. LNAPL/DNAPL Depth = ___ Thickness =

LOW FLOW DATA

Depth of pump intake: 9'

Static water level after pump put into well

Initial purge Rate/ Water Level (100-400 ml/min): 80 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 80 ml/min

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1920	1925	1930	1935						
Temp. (C)	21.48	21.49	21.46	Parameters						
Conduct. (µmhos/cm)	0.317	0.317	0.317	Stabilized						
DO (mg/l)	0.45	0.45	0.44	Begin						
pH (Std. Units)	6.15	6.15	6.15	Sampling						
Eh (millivolts)	0.5	0.4	0.4							
Turb. (NTU)	4.94	4.71	3.88							
Flow (ml/min)	80	80	80							
Depth To Water (ft)	1.50	1.50	1.50							
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: ___	☐	☐

Description of Sampling Equipment and Flow Rate: YSI 600 XL, 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen gas, Solinst IP, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	2x 40ml VOA	1935	MW-28	

Signed: [signature]

TRC

Low-flow Groundwater Sampling Data Record

Project:	Project No.:	Date/Time:	Sheet 1 of 1
NBHS	115058	4/28/11 1530	

Well Identification: MW-32

TRC Personnel: Zack Richards

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	✓	
Concrete Collar Intact	✓	
PVC Stick-up Intact	✓	
Well Cap Present		✓
Security Lock Present		✓

Protective Casing Stick-up _____ ft. (from ground)

Riser Stick-up (from ground) _____ ft.

WELL DIAMETER: 2 inch; 4 inch; 6 inch; ✓ 1 inch

WELL MATERIAL: ✓ PVC; SS; ___

Well Depth ~~1.5~~ ZLR 8.39' ft. ☐ top of riser ✓ top of casing ☐ measured ✓ historical

Water Depth 1.5 ft.

LNAPL/DNAPL Depth = Ø

Thickness =

LOW FLOW DATA

Depth of pump intake: 5.5'

Static water level after pump put into well 1.5'

Initial purge Rate/ Water Level (100-400 ml/min): 80 ml/min

Adjusted purge Rates/time/WL(record changes)

Flow rate at time of sampling: 80 ml/min

Purging Started @ 1535

PID SCREENING MEAS.

Background	0.0
Well Mouth	16.8 ppm

FIELD WATER QUALITY MEASUREMENTS (record at 3-5 minute intervals)

Time	1545	1550	1555	1600	1605	1610	1615	1620	1625	1630
Temp. (C)	21.36	21.38	21.39	21.39	21.40	21.41	21.37	21.34	21.34	Parameters
Conduct. (µmhos/cm)	0.412	0.413	0.414	0.414	0.415	0.415	0.414	0.414	0.414	Stabilized
DO (mg/l)	2.13	2.17	2.47	2.39	2.32	2.44	2.43	2.45	2.44	Prior
pH (Std. Units)	6.54	6.56	6.57	6.57	6.59	6.59	6.59	6.59	6.60	Sampling
Eh (millivolts)	-42.6	-35.4	-30.5	-27.9	-25.5	-23.6	-24.1	-25.0	-21.8	
Turb. (NTU)	2.59	2.07	1.63	1.52	1.43	1.23	1.45	1.34	1.72	
Flow (ml/min)	80	80	80	80	80	80	80	80	80	
Depth To Water (ft)										
Time										
Temp. (C)										
Conduct. (µmhos/cm)										
DO (mg/l)										
pH (Std. Units)										
Eh (millivolts)										
Turb. (NTU)										
Flow (ml/min)										
Depth To Water (ft)										

Pump Type	Purge	Sample
Peristaltic Pump	☐	☐
Submersible Pump	☐	☐
Bladder Pump	✓	✓
Other: _____	☐	☐

Description of Sampling Equipment and Flow Rate: YSI 600 XL, 3/4" Sample Pro Bladder Pump, MP10 Controller w/ Nitrogen gas, Solinst IP, LaMotte 2020

Analytical Parameter	Filtered (Y/N)	Preservation	Volume	Time Collected	Sample #	Case #
VOCs	N	HCl	2x 40 ml VOA	1630	MW-32	

Signed: [signature]

APPENDIX D

UPDATED IMMINENT HAZARD SCREENING EVALUATION

UPDATED IMMINENT HAZARD SCREENING EVALUATION
INDOOR AIR
NEW BEDFORD HIGH SCHOOL
NEW BEDFORD, MASSACHUSETTS

An Imminent Hazard Screening Evaluation was conducted in March 2010 and submitted as part of the March 22, 2010 Immediate Response Action (IRA) Plan for the New Bedford High School (NBHS) campus to determine whether data collected to evaluate the January 2010 Substantial Release Migration and Critical Exposure Pathway conditions indicated that an Imminent Hazard (IH) condition existed at the NBHS building. The Imminent Hazard Screening Evaluation was updated in May 2010 and November 2010, and submitted as part of the May 24, 2010 and November 29, 2010 IRA Status Reports. The March, May and November 2010 Imminent Hazard Screening Evaluations concluded that the measured indoor air concentrations are not associated with an IH condition. This conclusion is based on the indoor air sampling conducted in January, April and August 2010. The evaluations further concluded that chronic indoor air exposure is associated with a condition of No Significant Risk for workers. To assist in distinguishing the contribution of vapor intrusion to the measured indoor air concentrations, the May 2010 evaluation also included fate and transport modeling of soil gas to indoor air concentrations conducted for the Lecture Room (TRC-IA-15) and Classroom A-3-112 that indicated that only a small fraction of the measured indoor air concentrations are likely to be associated with a complete vapor intrusion pathway.

As part of the continuing IRA, additional groundwater and indoor air sampling were conducted within and in the vicinity of the NBHS building between March and April 2011. This Updated Imminent Hazard Screening Evaluation evaluates the applicable supplemental data collected to determine whether the conclusions of the March, May and November 2010 Imminent Hazard Screening Evaluations continue to be accurate as stated. Presented as part of this Updated Imminent Hazard Screening Evaluation are risk and hazard calculations for the location-specific indoor air sampling data collected to date.

Supplemental Data Collection

Between March 8 and April 29, 2011, TRC collected groundwater samples for analysis of VOCs from 10 existing wells in the vicinity of the Mechanical Room following the four Total Fluid Extraction (TFE) events.

On April 8, 2011, TRC collected three (3) indoor air samples for analysis of VOCs. The samples were collected from the following bottom floor interior locations at NBHS:

- Storage Room (B-106) – Sample designation B-106
- Senior Honors Lounge (B-109) – Sample designation B-109 (duplicate analysis performed)
- Can Wash (B-147) – Sample designation B-147

No supplemental soil gas samples were collected as part of investigation activities conducted since the November 2010 IRA Status Report.

Indoor Air Evaluation

In general, indoor air may be impacted by many types of potential sources, where present, including VOCs in shallow groundwater and subslab soil gas via vapor intrusion, the indoor use of VOC containing products and equipment, off-gassing from building materials and furnishings, and outdoor air quality. A determination as to whether a vapor intrusion pathway is complete and, if complete, which compounds detected in indoor air are present as a result of vapor intrusion needs to consider:

- The identity and concentration of VOCs in shallow groundwater in close proximity to the NBHS building and in soil gas beneath the slab of the NBHS building to determine those VOCs with a high likelihood of being potentially present in indoor air as a result of vapor intrusion;
- The spatial distribution of VOCs in indoor air relative to detections of VOCs in groundwater and soil gas to assist in determining whether their presence is more likely related to indoor sources than vapor intrusion;
- The concentrations of VOCs in upper floor spaces, as compared to bottom floor spaces, that are less likely to be impacted by vapor intrusion (to date, no sampling has been conducted in upper floor spaces); and
- The concentrations of volatile compounds in upwind outdoor air with the potential to impact indoor air quality (to date, no sampling has been conducted of outdoor air).

Shallow groundwater, soil gas and indoor air sampling data collected between January 2010 and April 2011 were compared to screening threshold values consisting of: Massachusetts Contingency Plan (MCP) Method 1 GW-2 cleanup standards for groundwater, Commercial Indoor Air Threshold Values (IATVs) for indoor air, and 50-times the MassDEP Commercial IATVs for soil gas. If a VOC in groundwater or soil gas exceeds its screening threshold value, then there may be an increased likelihood that the VOC, if also detected in indoor air, is related to a complete vapor intrusion pathway. If a VOC was never detected in groundwater or soil gas, but was detected in indoor air, then the finding is most likely related to an indoor vapor source other than vapor intrusion.

VOCs detected in groundwater, soil gas and indoor air are presented in Figure 1 by medium (i.e., groundwater, soil gas and indoor air). Those VOCs with concentrations above groundwater, soil gas or indoor air screening threshold values are highlighted on this figure. The comprehensive list of compounds found in groundwater and soil gas includes compounds with the potential to impact indoor air via vapor intrusion. A total of 28 VOCs were detected in indoor air. Four of the compounds (methylene chloride, methyl tert butyl ether, 1,2-dichlorethane and carbon tetrachloride) have not, to date, been detected in soil gas or groundwater and appear to be present in indoor air due to a source unrelated to vapor intrusion. Because outdoor air and indoor air data from upper floor spaces have not yet been collected, all VOCs detected in indoor have been

quantitatively evaluated in the risk evaluation. However, as more site-specific data are gathered, VOCs such as the four compounds identified by this preliminary assessment as being unrelated to a vapor intrusion source, may be eliminated in future evaluations.

Because sampling was conducted in maintenance and storage rooms, classrooms and other academic areas of the building, current receptors include maintenance workers, students, teachers and staff. Because students are only present for approximately four years, workers (including maintenance workers, teachers and other building staff) were evaluated due to their possible lengthy tenure at the school. Workers were assumed to be exposed to VOCs in indoor air for 8 hours per day, 250 days per year for 27 years. A chronic (i.e., 27 year) exposure period has been used since it is unknown how long exposures have been occurring. Should the chronic risk estimates be associated with a condition of no significant risk, it can also be concluded that there is no IH condition associated with the exposures.

Tables 1 through 3 present the risk and hazard calculations for the current receptors exposed to the measured indoor air concentrations within each of the 3 rooms sampled in April 2011. Room sampled in January, April and August 2010 and evaluated in the previous IH evaluations, but not resampled in April 2011 have not been include in this evaluation (i.e., the Mechanical Room, Classroom B-116, the Cafeteria Storage Room, Classroom A-112-3, Classroom A-115-4, Classroom A-105-4, Classroom A-115-3, Classroom A-105-3, Classroom A-115-2, Classroom A-105-2, Classroom A-116-1, Classroom A-112-2, Classroom A-110-1 and the Lecture Room). For rooms that were sampled more than once between January 2010 and April 2011, the maximum detected concentration across the rounds of sampling has been used to evaluate risk and hazard. The indoor air concentrations are shown on Tables 1 through 3, as well as the toxicity values used to estimate the Excess Lifetime Cancer Risk (ELCR) and Hazard Index (HI). Toxicity values (unit risks and reference concentrations) are the same as those used by the Massachusetts Department of Environmental Protection (MassDEP) in the development of the MCP Method 1 cleanup standards except for 1,2,4-trimethylbenzene, chloromethane, dichlorodifluoromethane, and trichlorofluoromethane. For these four compounds, none of which are classified as Class A, B or C carcinogens, a reference concentration provided by EPA's Integrated Risk Information System was used for chloromethane, reference concentrations provided on EPA's Health Effects Assessment Summary Tables were used for dichlorodifluoromethane and trichlorofluoromethane, and a provisional reference concentration provided by EPA's Superfund Technical Support Center was used for 1,2,4-trimethylbenzene.

The calculations indicated that risks and hazards are at or below the MCP Risk Limits of an excess lifetime cancer risk (ELCR) of 1E-05 and a hazard index (HI) of 1 for the three rooms evaluated. In addition, it can be further concluded that chronic indoor air exposure is associated with a condition of No Significant Risk for workers.

Table 1
Commercial Worker
Inhalation of Indoor Air Exposure Pathway
New Bedford High School - Storage Room (Room B-106)
New Bedford, Massachusetts

		EPC	Estimated Dose		Toxicity Values		Risk Estimates	
	Constituent	Indoor Air Concentration µg/m3	ADEcancer (Cancer) µg/m3	ADEnon-cancer (Non-cancer) µg/m3	Unit Risk per µg/m3	Chronic Noncancer Reference Concentration µg/m3	Cancer Risk (--)	Hazard Quotient (--)
78-93-3	2-Butanone	9.96E-01	8.8E-02	2.3E-01	NA	5.0E+03	NA	5.E-05
71-55-6	1,1,1-Trichloroethane	1.10E+00	9.8E-02	2.5E-01	NA	5.2E+03	NA	5.E-05
67-64-1	Acetone	5.91E+01	5.2E+00	1.4E+01	NA	8.0E+02	NA	2.E-02
71-43-2	Benzene	4.47E-01	4.0E-02	1.0E-01	7.8E-06	3.0E+01	3.E-07	3.E-03
56-23-5	Carbon tetrachloride	3.90E-01	3.5E-02	9.0E-02	1.5E-05	4.3E+02	5.E-07	2.E-04
100-42-5	Styrene	2.94E-01	2.6E-02	6.8E-02	5.7E-07	1.0E+03	1.E-08	7.E-05
67-66-3	Chloroform	9.80E-02	8.7E-03	2.3E-02	2.3E-05	6.6E+02	2.E-07	3.E-05
156-59-2	cis-1,2-Dichloroethene	2.26E-01	2.0E-02	5.2E-02	NA	3.5E+01	NA	1.E-03
75-71-8	Dichlorodifluoromethane	2.33E+00	2.1E-01	5.4E-01	NA	2.0E+02	NA	3.E-03
108-88-3	Toluene	1.30E+00	1.2E-01	3.0E-01	NA	5.0E+03	NA	6.E-05
79-01-6	Trichloroethene	7.25E+00	6.4E-01	1.7E+00	1.7E-06	1.8E+02	1.E-06	9.E-03
75-69-4	Trichlorofluoromethane	1.16E+00	1.0E-01	2.7E-01	NA	7.0E+02	NA	4.E-04
100-41-4	Ethylbenzene	2.60E-01	2.3E-02	6.0E-02	NA	1.0E+03	NA	6.E-05
1330-20-7	Xylenes	1.04E+00	9.2E-02	2.4E-01	NA	1.0E+02	NA	2.E-03
95-63-6	1,2,4,-Trimethylbenzene	1.82E-01	1.6E-02	4.2E-02	NA	7.0E+00	NA	6.E-03

Not detected in groundwater or soil gas

Where:

LADEcancer = IAC x EFx ED x EP/APcancer
ADEnon-cancer = IAC x EF x ED x EP / APnon-cancer
Cancer Risk = LADEcancer x UR
Hazard Quotient = ADEnon-cancer / Inhalation Reference Concentration

	Cancer Risk	Hazard Index
TOTAL:	2E-06	4E-02

Bold = Cancer Risk >1.0E-05 or Hazard Quotient > 1.0E+01

LADE = Life Time Average Daily Exposure
ADE = Average Daily Exposure
EPC = Exposure Point Concentration
$\mu g/m^3$ = micrograms per cubic meter

And where:

Exposure Frequency (EF) =	250	days/year (5 days a week for 26 weeks of exposure)
Exposure Duration (ED) =	8	hrs/day [1]
Exposure Period (EP) =	27	yr [1]
Unit Conversion (UC) =	0.042	days/hr
Averaging Period (APcancer) =	25550	days [1]
Averaging Period (APnon-cancer) =	9855	days [1]

[1] MADEP, 2006

Table 2
Commercial Worker
Inhalation of Indoor Air Exposure Pathway
New Bedford High School - Senior Honors Lounge (Room B-109)
New Bedford, Massachusetts

		EPC	Estimated Dose		Toxicity Values		Risk Estimates	
	Constituent	Indoor Air Concentration µg/m3	ADEcancer (Cancer) µg/m3	ADEnon-cancer (Non-cancer) µg/m3	Unit Risk per µg/m3	Chronic Noncancer Reference Concentration µg/m3	Cancer Risk (--)	Hazard Quotient (--)
78-93-3	2-Butanone	1.35E+00	1.2E-01	3.1E-01	NA	5.0E+03	NA	6.E-05
71-55-6	1,1,1-Trichloroethane	1.85E+00	1.6E-01	4.3E-01	NA	5.2E+03	NA	8.E-05
67-64-1	Acetone	2.96E+01	2.6E+00	6.8E+00	NA	8.0E+02	NA	9.E-03
71-43-2	Benzene	4.98E-01	4.4E-02	1.1E-01	7.8E-06	3.0E+01	3.E-07	4.E-03
56-23-5	Carbon tetrachloride	3.96E-01	3.5E-02	9.1E-02	1.5E-05	4.3E+02	5.E-07	2.E-04
74-87-3	Chloromethane	9.20E-01	8.2E-02	2.1E-01	NA	9.0E+01	NA	2.E-03
127-18-4	Tetrachloroethene	1.42E-01	1.3E-02	3.3E-02	1.0E-05	4.6E+03	1.E-07	7.E-06
156-59-2	cis-1,2-Dichloroethene	5.51E-01	4.9E-02	1.3E-01	NA	3.5E+01	NA	4.E-03
75-71-8	Dichlorodifluoromethane	2.34E+00	2.1E-01	5.4E-01	NA	2.0E+02	NA	3.E-03
108-88-3	Toluene	4.18E+00	3.7E-01	9.6E-01	NA	5.0E+03	NA	2.E-04
156-60-5	trans-1,2-Dichloroethene	9.50E-02	8.4E-03	2.2E-02	NA	7.0E+01	NA	3.E-04
79-01-6	Trichloroethene	1.75E+01	1.6E+00	4.0E+00	1.7E-06	1.8E+02	3.E-06	2.E-02
75-69-4	Trichlorofluoromethane	1.18E+00	1.0E-01	2.7E-01	NA	7.0E+02	NA	4.E-04
100-41-4	Ethylbenzene	3.06E+00	2.7E-01	7.0E-01	NA	1.0E+03	NA	7.E-04
91-20-3	Naphthalene	6.65E-01	5.9E-02	1.5E-01	NA	3.0E+00	NA	5.E-02
1330-20-7	Xylenes	1.16E+01	1.0E+00	2.7E+00	NA	1.0E+02	NA	3.E-02
95-63-6	1,2,4,-Trimethylbenzene	1.57E-01	1.4E-02	3.6E-02	NA	7.0E+00	NA	5.E-03

Not detected in groundwater or soil gas

Where:

LADEcancer = IAC x EFx ED x EP/APcancer
ADEnon-cancer = IAC x EF x ED x EP / APnon-cancer
Cancer Risk = LADEcancer x UR
Hazard Quotient = ADEnon-cancer / Inhalation Reference Concentration

LADE = Life Time Average Daily Exposure
ADE = Average Daily Exposure
EPC = Exposure Point Concentration
$\mu g/m^3$ = micrograms per cubic meter

	Cancer Risk	Hazard Index
TOTAL:	4E-06	1E-01

Bold = Cancer Risk >1.0E-05 or Hazard Quotient > 1.0E+01

And where:

Exposure Frequency (EF) =	250	days/year (5 days a week for 26 weeks of exposure)
Exposure Duration (ED) =	8	hrs/day [1]
Exposure Period (EP) =	27	yr [1]
Unit Conversion (UC) =	0.042	days/hr
Averaging Period (APcancer) =	25550	days [1]
Averaging Period (APnon-cancer) =	9855	days [1]

[1] MADEP, 2006

Table 3
Commercial Worker
Inhalation of Indoor Air Exposure Pathway
New Bedford High School - Can Wash (Room B-147)
New Bedford, Massachusetts

		EPC	Estimated Dose		Toxicity Values		Risk Estimates	
	Constituent	Indoor Air Concentration µg/m3	ADEcancer (Cancer) µg/m3	ADEnon-cancer (Non-cancer) µg/m3	Unit Risk per µg/m3	Chronic Noncancer Reference Concentration µg/m3	Cancer Risk (--)	Hazard Quotient (--)
78-93-3	2-Butanone	1.16E+00	1.0E-01	2.7E-01	NA	5.0E+03	NA	5.E-05
71-55-6	1,1,1-Trichloroethane	1.07E+00	9.5E-02	2.5E-01	NA	5.2E+03	NA	5.E-05
67-64-1	Acetone	6.11E+00	5.4E-01	1.4E+00	NA	8.0E+02	NA	2.E-03
71-43-2	Benzene	4.92E-01	4.4E-02	1.1E-01	7.8E-06	3.0E+01	3.E-07	4.E-03
56-23-5	Carbon tetrachloride	3.83E-01	3.4E-02	8.8E-02	1.5E-05	4.3E+02	5.E-07	2.E-04
67-66-3	Chloroform	1.07E-01	9.5E-03	2.5E-02	2.3E-05	6.6E+02	2.E-07	4.E-05
156-59-2	cis-1,2-Dichloroethene	2.54E-01	2.3E-02	5.8E-02	NA	3.5E+01	NA	2.E-03
75-71-8	Dichlorodifluoromethane	2.21E+00	2.0E-01	5.1E-01	NA	2.0E+02	NA	3.E-03
108-88-3	Toluene	1.37E+00	1.2E-01	3.2E-01	NA	5.0E+03	NA	6.E-05
79-01-6	Trichloroethene	7.42E+00	6.6E-01	1.7E+00	1.7E-06	1.8E+02	1.E-06	9.E-03
75-69-4	Trichlorofluoromethane	1.14E+00	1.0E-01	2.6E-01	NA	7.0E+02	NA	4.E-04
100-41-4	Ethylbenzene	2.52E-01	2.2E-02	5.8E-02	NA	1.0E+03	NA	6.E-05
1330-20-7	Xylenes	1.10E+00	9.8E-02	2.5E-01	NA	1.0E+02	NA	3.E-03
95-63-6	1,2,4,-Trimethylbenzene	1.67E-01	1.5E-02	3.8E-02	NA	7.0E+00	NA	5.E-03

Not detected in groundwater or soil gas

Where:

LADEcancer = IAC x EFx ED x EP/APcancer
ADEnon-cancer = IAC x EF x ED x EP / APnon-cancer
Cancer Risk = LADEcancer x UR
Hazard Quotient = ADEnon-cancer / Inhalation Reference Concentration

	Cancer Risk	Hazard Index
TOTAL:	2E-06	3E-02

Bold = Cancer Risk >1.0E-05 or Hazard Quotient > 1.0E+01

LADE = Life Time Average Daily Exposure
ADE = Average Daily Exposure
EPC = Exposure Point Concentration
$\mu g/m^3$ = micrograms per cubic meter

And where:

Exposure Frequency (EF) =	250	days/year (5 days a week for 26 weeks of exposure)
Exposure Duration (ED) =	8	hrs/day [1]
Exposure Period (EP) =	27	yr [1]
Unit Conversion (UC) =	0.042	days/hr
Averaging Period (APcancer) =	25550	days [1]
Averaging Period (APnon-cancer) =	9855	days [1]

[1] MADEP, 2006

Figure 1
Determination of VOCs in Indoor Air Related to Vapor Intrusion
New Bedford High School
New Bedford, Massachusetts

GROUNDWATER	SOIL GAS	INDOOR AIR POENTIALLY RELATED TO VI	INDOOR AIR NOT RELATED TO VI
Chlorobenzene	1,1,1-Trichloroethane	Dichlorodifluoromethane	Methylene chloride
cis-1,2-Dichloroethene	1,1-Dichloroethene	Chloromethane	Methyl tert butyl ether
trans-1,2-Dichloroethene	1,2,4-Trimethylbenzene	Vinyl chloride	1,2-Dichloroethane
1,2-Dichlorobenzene	1,3,5-Trimethybenzene	Acetone	Carbon tetrachloride
1,3-Dichlorobenzene	2-Butanone	Trichlorofluoromethane	
1,4-Dichlorobenzene	2-Hexanone	trans-1,2-Dichloroethene	
p-Isopropyltoluene	Acetone	2-Butanone	
1,2,4-Trichlorobenzene	Benzene	cis-1,2-Dichloroethene	
Tetrachloroethene	Bromodichloromethane	Chloroform	
Trichloroethene	Carbon disulfide	1,1,1-Trichloroethane	
Vinyl Chloride	Chloroethane	Benzene	
	Chloroform	Bromodichloromethane	
	Chloromethane	Trichloroethene	
	cis-1,2-Dichloroethene	4-Methyl-2-pentanone	
	Dichlorodifluoromethane	Toluene	
	Ethylbenzene	Tetrachloroethene	
	4-Methyl-2-pentanone	Ethylbenzene	
	Xylene (total)	Xylene (total)	
	Styrene	Styrene	
	Tetrachloroethene	n-Propylbenzene	
	Tetrahydrofuran	1,3,5-Trimethybenzene	
	Toluene	1,2,4-Trimethylbenzene	
	trans-1,2-Dichloroethene	Naphthalene	
	Trichloroethene		
	Trichlorofluoromethane		
	Vinyl chloride		
	Naphthalene		
	Isopropylbenzene		
	n-Butylbenzene		
	tert-Butylbenzene		
	n-Propylbenzene		

NOTES:

Only detected compounds shown.

Shaded values indicate exceedance of GW-Additional petroleum-related compounds, not part of the groundwater analytical program, that are considered potentially site-related.

Compounds not detected in groundwater (on-property or off-property) and therefore, not considered site-related.

Compounds with consistently higher first floor and/or outdoor air concentrations than basement, indicating outdoor or first floor source.

Indoor air COPCs not evaluated at a specific residence due to the high probability that an unrelated indoor first floor source is present.

IATV - Indoor Air Threshold Value

COPC - Contaminant of Potential Concern

APPENDIX E

COPIES OF UNIFORM HAZARDOUS WASTE MANIFESTS

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 61656

XXXXX

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MP5089974511
2. Page 1 of: 1
3. Emergency Response Phone: 800 966 9282
4. Manifest Tracking Number: 004154939 FLE

5. Generator's Name and Mailing Address
City Of New Bedford
133 Williams Street
New Bedford, MA 02740
Generator's Phone: ~~508-997-4511~~ 508-400-2967

Generator's Site Address (if different than mailing address)
City of New Bedford - 230 Hathaway
230 Hathaway Boulevard
New Bedford, MA 02740

6. Transporter 1 Company Name: Triumvirate Environmental, Inc.
U.S. EPA ID Number: MAD985286988

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Triumvirate Environmental (Merrimack), Inc.
263 Howard Street
Lowell, MA 01852
Facility's Phone: (978) 453-7772
U.S. EPA ID Number: MAD047075734

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	NA3077, Hazardous waste, solid, n.o.s. 9, III (trichloroethylene) (RQ: F002)	003	DM	01700	P	F002		
	2. ~~Accumulated Material (Empty Drums)~~ Direct Ship							
	3. Empty Drums For Recycling	011	DM	00445	P			
	4.							

14. Special Handling Instructions and Additional Information
1- (3 x 55) LOW04239 F002 Contaminated Soil 2- 3- 4-
(11 x 55) Empty Drums

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Cheryl Henlin
Signature: Cheryl Henlin
Month Day Year: 12 25 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: WILLIAM MABEE
Signature: William Mabee
Month Day Year: 12 25 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. H141 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a
Printed/Typed Name: Valerie Moran
Signature: Valerie Moran
Month Day Year: 12 28 11

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MP 5 0 8 9 9 7 4 5 1 1
2. Page 1 of: 1
3. Emergency Response Phone: 800 966 9282
4. Manifest Tracking Number: 004154938 FLE

5. Generator's Name and Mailing Address
City Of New Bedford
133 Williams Street, Room 304
New Bedford, MA 02740
Generator's Phone: ~~508-997-4511~~ 508-400-2967

Generator's Site Address (if different than mailing address)
City of New Bedford - 230 Hathaway
230 Hathaway Boulevard
New Bedford, MA 02740

6. Transporter 1 Company Name: Triumvirate Environmental, Inc.
U.S. EPA ID Number: M A D 9 8 5 2 8 6 9 8 8

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
United Oil Recovery, Inc.
136 Gracey Ave.
Meriden, CT 06450
Facility's Phone: 203-238-6751
U.S. EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit* Wt./Vol.	13. Waste Codes		
X	1 NA3082, Hazardous waste, liquid, n.o.s. 9, III (trichloroethylene) (RQ. F002)	0 0 1	T T	0590	G	F002		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1 - (1 x Tanker) Well Development Water 2 - 3 - 4 -

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Cheryl Henlin
Signature: Cheryl Henlin
Month Day Year: 02 25 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Sean W Martin
Signature: Sean W Martin
Month Day Year: 02 25 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H061 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Virginia Pierson
Signature: Virginia Pierson
Month Day Year: 02 28 11

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

XXXXX

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MP 5 0 8 9 9 7 4 5 1 1
2. Page 1 of 1
3. Emergency Response Phone: 800 966 9282
4. Manifest Tracking Number: 002862846 FLE

5. Generator's Name and Mailing Address
City Of New Bedford
133 Williams Street Room 304
New Bedford, MA 02740
Generator's Phone: ~~508-997-4511~~ 508-400-2967

Generator's Site Address (if different than mailing address)
City of New Bedford - 230 Hathaway
230 Hathaway Boulevard
New Bedford, MA 02740

6. Transporter 1 Company Name: Triumvirate Environmental, Inc.
U.S. EPA ID Number: M A D 9 8 5 2 8 6 9 8 8

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
United Oil Recovery, Inc.
136 Gracey Ave.
Meriden, CT 06450
Facility's Phone: 203-238-6751
U.S. EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	NA3082, Hazardous waste, liquid, n.o.s. 9, III (trichloroethylene) (RQ: F002)	0 0 1	T T	~~0 0 1 5 0~~ 0490	G	F002		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1- (1 x Tanker) Well Development Water 2- 3- 4-
P022211013LMSO

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Cheryl Henlin
Signature: X Cheryl Henlin
Month Day Year: 03 21 11

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Sean W Martin
Signature: Sean W Martin
Month Day Year: 03 21 11
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H061 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Virginia Pierson
Signature: Virginia Pierson
Month Day Year: 03 29 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MP 5 0 8 2 9 7 4 5 1 1
2. Page 1 of: 1
3. Emergency Response Phone: 800 966 9282
4. Manifest Tracking Number: 004526454 FLE

5. Generator's Name and Mailing Address
City Of New Bedford
133 Williams Street
New Bedford, MA 02740
Generator's Phone: 508-997-4511

Generator's Site Address (if different than mailing address)
City of New Bedford - 230 Hathaway
230 Hathaway Boulevard
New Bedford, MA 02740

6. Transporter 1 Company Name: Triumvirate Environmental, Inc
U.S. EPA ID Number: M A D 9 8 5 2 8 0 9 8 8

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
United Oil Recovery, Inc.
136 Gracey Ave.
Meriden, CT 06450
Facility's Phone: 203-238-6751
U.S. EPA ID Number: C T D 0 2 1 8 1 6 8 8 9

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	NA3082, Hazardous waste, liquid, n.o.s. 9, III (trichloroethylene) (RQ: F002)	0 0 1	T T	0609	G	F002		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1 - (1 x Tanker) Well Development Water 2 - 3 - 4 -

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Cheryl Henlin
Signature: Cheryl Henlin
Month 04 Day 05 Year 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JAMES Peterson
Signature: James Peterson
Month 04 Day 05 Year 11

Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H061 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Virginia Pierson
Signature: Virginia Pierson
Month 04 Day 11 Year 11

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MP 5 0 8 9 9 7 4 5 1 1
2. Page 1 of: 1
3. Emergency Response Phone: 800 966 9282
4. Manifest Tracking Number: 004526424 FLE

5. Generator's Name and Mailing Address
City Of New Bedford
133 Williams Street, Room 304
New Bedford, MA 02740
Generator's Phone: ~~508-997-4511~~ 400-2967

Generator's Site Address (if different than mailing address)
City of New Bedford - 230 Hathaway
230 Hathaway Boulevard
New Bedford, MA 02740

6. Transporter 1 Company Name: Triumvirate Environmental, Inc.
U.S. EPA ID Number: M A D 9 8 5 2 8 6 9 8 8

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
United Oil Recovery, Inc.
136 Gracey Ave.
Meriden, CT 06450
Facility's Phone: 203-238-6751
U.S. EPA ID Number: C T D 0 2 1 8 1 6 8 8 0

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	NA3082, Hazardous waste, liquid, n.o.s. 9, III (trichloroethylene) (RQ: F002)	0 0 1	T T	0671	G	F002		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1 - (1 x Tanker) P022211013LMSO Well Development Water 2 - 3 - 4 -

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Cheryl Henlin
Signature: Cheryl Henlin
Month Day Year: 04 23 11

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JAMES Peterson
Signature: James Peterson
Month Day Year: 04 23 11
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H061 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Virginia Pierson
Signature: Virginia Pierson
Month Day Year: 04 26 11

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR