RELEASE ABATEMENT MEASURE PLAN

New Andrea McCoy Field (Former Keith Junior High School) Soil Removal in Support of Risk Reduction and Construction Activity
70 Hathaway Boulevard
New Bedford, Massachusetts
Release Tracking Numbers 4-15685/4-15824

Prepared for:

City of New Bedford
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1.0 INTRODUCTION

On behalf of the City of New Bedford, Massachusetts (the "City"), TRC Environmental Corporation (TRC) has prepared this Release Abatement Measure (RAM) Plan in accordance with 310 CMR 40.0440 of the Massachusetts Contingency Plan (MCP). The purpose of this RAM Plan is to outline the risk reduction measures that will be undertaken by the City at the New Andrea McCoy Field property (former Keith Junior High School [KJHS]) located at 70 Hathaway Boulevard in New Bedford, Massachusetts to support construction in a contaminated area and to address soil contamination hot spots. The applicable Massachusetts Department of Environmental Protection (MassDEP) Release Tracking Numbers (RTNs) are 4-15685 and 4-15824. The RAM Plan will be filed under RTN 4-15685 since the risk reduction and soil contamination hot spot activities are primarily associated with contamination associated with this RTN.

1.1 Work Summary

Work to be performed under this RAM includes:

- Excavation of soil during site construction activities;
- Excavation of approximately 1,340 tons of soil to reduce risk posed by contaminated soil/fill;
- Temporary soil stockpiling and stockpile management;
- Offsite reuse, recycling or disposal of contaminated soils excavated to reduce risk and uncontaminated soil displaced by Site construction and grading activity;
- Onsite reuse of soil suitable for such application;
- Replacing the removed soil where necessary with appropriately documented contaminant-free fill material screened in advance for the presence of regulated contaminants; and
- On-site groundwater management where dewatering is required for construction and/or risk-reduction related excavation activity.

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

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

- Relevant information (Section 10); and
- References (Section 11).

Supporting appendices include soil boring and well logs (Appendix A), Architect's Plans and Sketches (Appendix B), laboratory analytical data report sheets (Appendix C), RAM Fee documentation (Appendix D), municipal notification letters (Appendix E), dust exposure worksheets (Appendix F) and the Soil and Groundwater Management Plan (Appendix G).

1.2 Regulatory Status

1.2.1 Release Reporting

Two RTNs affect the former KJHS property:

- RTN 4-15685
- RTN 4-15824

MCP RTN 4-15685 is associated with contaminated fill associated with the Parker Street Waste Site and the new Keith Middle School/Former Andrea McCoy Field site. The MCP RTN associated with the former KJHS underground storage tank (UST) release is RTN 4-15824 that triggered a 72-hour regulatory reporting obligation to the MassDEP in accordance with 310 CMR 40.0332(2) in 2000. The release condition associated with RTN 4-15824 was reported to the MassDEP by Vanasse Hangen Brustlin, Inc. (VHB) of Watertown, Massachusetts on behalf of the City on October 13, 2000. MassDEP approved Immediate Response Action (IRA) assessment activities and assigned RTN 4-15824. A Special Project status that includes both RTNs has been established. As previously noted, this RAM Plan has been filed under RTN 4-15685.

2.0 PARTY ASSUMING RESPONSIBILITY FOR THE RAM

The party undertaking this RAM is:

City of New Bedford
133 William Street
New Bedford, MA 02740
Contact: Mr. Scott Alfonse
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3.0 RELEASE DESCRIPTION, SITE CONDITIONS & SURROUNDING RECEPTORS

3.1 Site Description

The proposed New Andrea McCoy Field (former Keith Junior High School) Site is located between Hathaway Boulevard and Hunter Street, and east of the intersection of Hathaway Boulevard and Summit Street in New Bedford, Massachusetts (Figure 1). The Site is bordered on the western and eastern sides by Hathaway Boulevard and Hunter Street, respectively. Residential properties border both the northern and southern sides, as well as across Hathaway Boulevard to the west.

The Site is currently vacant, consisting of grass-covered areas, paved walkways, and a parking lot. The Site gently slopes from southwest to northeast. It was previously occupied by the former KJHS. Remnants of the former school building footprint are currently covered with fill materials. The fuel oil UST that served the former KJHS building has been removed from the Site.

3.2 Surrounding Receptors

The Site lies within 500 feet of residential dwellings and an outdoor athletic complex (Walsh Field). The baseball field portion of Walsh Field is used for practices and games during the spring and summer baseball season (i.e., high school, local leagues, and Cape Cod League). Soccer, softball, football as well as track and field events/practices also take place at Walsh Field.

Groundwater categories at the Site include actual or potential GW-2, depending upon proximity to occupied structures (groundwater is expected to be less than 15 feet below ground surface based on data collected by TRC and others at this property), and GW-3, which applies to all groundwater throughout the Commonwealth. However, groundwater impacts from contaminants associated with the Site are not expected. For example, recent groundwater monitoring conducted on a total (unfiltered) basis in January 2009 in two monitoring wells did not detect Site contaminants above groundwater standards or MCP Reportable Concentrations (RCs) for groundwater.

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

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

3.3 Release Description

As described previously, MassDEP tracks two separate releases at the Site. RTN 4-15685 is associated with historical fill associated with the past City Burn Dump. RTN 4-15824 tracks petroleum contamination associated with a leaking UST that is no longer on Site. As previously noted, this RAM Plan was filed under RTN 4-15685.

3.3.1 KJHS Property-Related Investigation History

In November 2000, VHB conducted an IRA that was in response to a leaking UST on the KJHS property. VHB conducted a tightness test on the then existing UST and collected soil and groundwater samples from the area of the UST. Based on the tightness test, VHB determined that the leak had occurred from a prior UST (replaced in 1990). The results of soil and groundwater samples indicated no Imminent Hazard and no further conditions requiring Immediate Response Actions were present. See Table 1 (attached) for a summary of historical soil analytical data. The City subsequently submitted a Special Project Application for RTN 4-15685, which included the UST release reported under RTN 4-15824.

In February 2002, additional site investigation work was conducted at the former KJHS. The initial work performed by VHB concluded that detected levels of contaminants in soil were within background levels typically observed in urban areas at the time of the investigation. An IRA Completion Statement was submitted to MassDEP on February 19, 2002.

In April 2006, The Beta Group, Incorporated of Norwood, Massachusetts (BETA) conducted additional soil sampling at the Site to provide supplemental subsurface information to the February 2002 historical data. A total of 12 soil borings were advanced and seven surface soil samples were collected (0 - 0.5 feet below grade). Of the 12 soil borings, only four indicated the presence of fill material. Soil samples were collected and analyzed for polychlorinated biphenyls (PCBs), Resource Conservation and Recovery Act (RCRA) 8 metals, and polyaromatic hydrocarbons (PAHs) from soil borings where fill was encountered. Some samples were also analyzed for the presence of semivolatile organic compounds (SVOCs). Several of the samples indicated detections of compounds that exceeded their applicable MCP Method 1 S-1 Soil Standards. Compounds detected in excess of this standard include arsenic, cadmium, lead, and benzo(a)pyrene. BETA concluded that only cadmium exceeded MassDEP MCP background standards. Therefore, BETA concluded in April 2006 that metals and PAH concentrations were consistent with background concentrations. However, this conclusion is inconsistent with MassDEP policy, which requires background comparisons to the maximum reported concentration at the Site (MassDEP, 2002).

TRC conducted additional soil testing on November 14, 2008 to evaluate potential residual contamination of soil in the vicinity of the former UST (removed in 2008) and also to further evaluate surface soil lead detections identified by VHB. The objective of TRC's scope of work was to address data gaps in prior work using current MassDEP petroleum hydrocarbon methods and total lead analysis and to evaluate if residual soil contamination was present that warranted further remedial action.

TRC implemented soil boring activities on November 14, 2008. TRC contracted New England Geotech 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 contamination and field screened using the MassDEP jar headspace methodology and a photoionization detector (PID). Samples were collected from each boring at various depths to delineate the extent of contamination.

TRC advanced a total of 11 soil borings to various depths, identified as on Figure 2, in the area of the former UST to evaluate potential petroleum contamination. The 11 soil borings included six advanced in the vicinity of the former UST that included UST-1S, UST-2N, UST-3E, UST-4E, UST-4W, and UST-5C. TRC also collected soil samples for lead analysis near prior detections in excess of soil cleanup criteria to evaluate presence of lead in surface soil (soil borings LEAD1, LEAD2, LEAD3, LEAD4, and LEAD5). The analytical data collected by TRC from this field effort are summarized in Table 2.

Soil headspace readings for the borings on which field screening was preformed ranged from 0.0 ppmv to 29.1 parts per million by volume (ppmv) with the highest being detected in the vicinity of the former UST. Based on the visual examination and field screening results, soil samples collected in the vicinity of the former UST were submitted for laboratory analysis of Extractable Petroleum Hydrocarbon (EPH) analysis. Samples were also submitted for total lead analysis. Groundwater sampling was not conducted at this time since contamination was not detected below the bottom elevation of the UST (non-detect headspace readings were observed at depths screened below the bottom elevation of the UST).

In January 2009, TRC met with representatives of the City and Mount Vernon Group Architects (MVG) concerning a proposed redevelopment of the former KJHS property as an outdoor athletic complex with a support building for showers, lockers, concessions, etc., parking lot expansion, and associated storm water management infrastructure improvements (subsurface detention system, pump station, and a force main running from the former KJHS property to a manhole on Hathaway Boulevard). TRC advised that contaminated soil displaced by construction activity requires appropriate management under the MCP and supporting MassDEP policies and guidance documents. In addition, TRC advised that soil and groundwater containing concentrations of oil and/or hazardous material equal to or greater than RCs are classified by the MCP as *Remediation Waste*. TRC further advised that there are limitations on management of regulated soil displaced by construction activity, particularly the MCP Anti-Degradation Provisions (310 CMR 40.0032(3)) wherein if the contaminated soil were to be taken off-site and "used" someplace other than a facility licensed to accept the material, that action could create another regulated disposal site.

TRC noted that MassDEP, under policy number WSC-00-425 for *Construction of Buildings in Contaminated Areas* (a.k.a, Construction Policy), requires that the nature and extent of contamination be adequately defined in the area of construction, the associated risks understood, and any needed remedial actions conducted to manage or eliminate risk associated with the contaminated media. In addition, the MCP provides five "regulatory vehicles" to undertake remedial actions at disposal sites. For this project TRC recommended the preparation of a RAM plan to address the construction work on the property and the use of a Utility-related Abatement

Measure (URAM) for the proposed force main, which will traverse areas of known contaminant impacts beneath the KJHS property, Hunter Street, Walsh Field, and the New Bedford High School (NBHS) property. TRC also recommended having such documentation in place and on file with MassDEP before proceeding with construction.

TRC also noted an area in the central portion of the property where geotechnical boring logs indicate the presence of non-ash anthropogenic fill (concrete, re-bar, etc) that might have been placed during the decades-ago construction of KJHS. One boring placed in this area by a prior consultant (VHB) had one detection of arsenic in soil slightly above its Reportable Concentration (RC) (i.e., 21 mg/kg vs. 20 mg/kg). TRC also noted a few smaller areas of limited sampling coverage for which no analytical data were available. Since these areas may be impacted by "cut and fill" activity to attain appropriate grades for the anticipated future use of the property, TRC recommended pre-characterization to support appropriate soil management planning.

TRC conducted the fill line delineation investigation, soil characterization and soil disposal precharacterization sampling between January 20, 2009 and January 26, 2009. A total of 46 soil borings (e.g., TRC-1 through TRC-46) were installed using direct push drilling methods. Based on laboratory analytical results, an additional nine soil borings were installed between January 26 and January 29, 2009 (e.g., TRC-47 through TRC-55). A data summary map showing the associated analytical results for each soil boring is presented in Figure 2. Laboratory analytical data reports are provided in Appendix C.

Based on preliminary design drawings provided by MVG, the majority of the soil borings (i.e., TRC-1 through TRC-22 and TRC-30 through TRC-46) were installed in the east and northeast portions of the Site where proposed subsurface construction activities (e.g., pump house, building foundation and detection basin) were likely to encounter fill material. Such soil borings were geologically logged with the specific goal of determining the horizontal and vertical extent of fill material likely related to the Parker Street Waste Site. Therefore, although previous data were used for guidance, the locations of the soil borings were ultimately dictated by field conditions. For example, fill material was observed in soil boring TRC-10, but not in boring TRC-9. Therefore, soil boring TRC-11 was advanced approximately halfway between TRC-9 and TRC-10 to more closely delineate the edge of fill line. This interactive approach was employed throughout TRC's field activities associated with the fill line delineation.

In locations where fill material was encountered, soil borings generally exhibited fine sands overlaying fill material (e.g., ash, coal, brick, slag and glass) immediately above an organic peat or silt layer. Various sized sands were generally encountered at depth. In those locations in which fill material was not encountered, the subsurface material generally consisted of various sized sands and gravels. All of the soil borings were screened with a PID using the MassDEP jar headspace method. PID screening results were consistently low, ranging from non-detect (i.e., background) to 1.0 parts per million by volume (ppmv). Soil boring logs are presented in Appendix A.

Soil characterization samples, from select soil borings drilled during the fill delineation investigation, were submitted for laboratory analysis consistent with TRC's work at neighboring sites (e.g., Walsh Field), as well as for precharacterization of the fill material for disposal

purposes. Soil borings targeted for sampling included TRC-1, TRC-10, TRC-17, TRC-37, TRC-39, TRC-41 and TRC-43. These soil borings were located in areas likely to be disturbed by proposed construction activities (e.g., location of the proposed pump house, athletic building foundation, leaching field and pump discharge manhole), while also exhibiting a relatively thick layer of fill material. All of the soil samples were submitted for laboratory analysis of MCP Metals, PAHs and PCBs. With exception of soil boring TRC-43, samples of the fill material were also analyzed for Volatile Organic Compounds (VOCs), SVOCs, Total Petroleum Hydrocarbons (TPH) and Toxicity Characteristic Leaching Procedure (TCLP) Metals to facilitate management and potential off-site disposal of material.

Several soil borings exhibited concentrations of total and/or TCLP metals in excess of regulatory standards. This includes samples from soil borings TRC-1, TRC-10, TRC-17, TRC-37, TRC-39, TRC-41 and TRC-43. Specifically, total lead was detected as high as 38,705 mg/kg (i.e., TRC-1(5)) and TCLP lead as high as 84.4 mg/L (i.e., TRC-37(4.5)). In general the elevated concentrations were associated with the sample collected from the fill material, however, in some cases the sampling interval below the fill layer also exhibited elevated concentrations (e.g., TRC-10 and TRC-39). In the case of TRC-39, this was likely a result of a small amount of collapsed fill material being mixed in with the sample volume. Concentrations of benzo(a)pyrene were also detected in excess of the MCP Method 1 standards in samples TRC-17(5) and TRC-41(1). The laboratory analytical results are summarized in Table 3.

Five additional soil borings (i.e., TRC-23 through TRC-27) were installed in the vicinity of the former KJHS building footprint. These locations were selected by TRC based on the design drawings provided by MVG, a need for additional analytical data coverage and a need for disposal precharacterization of soils in areas where anthropogenic fill is known to exist. All of the soil samples were submitted for laboratory analysis of MCP Metals, PAHs and PCBs. One sample from soil borings TRC-23 and TRC-24 was also analyzed for VOCs, SVOCs, TPH and TCLP Metals to facilitate management and potential off-site disposal of material in the area of the Site where a cut line is proposed (Figure 3). Chromium and nickel in sample TRC-25(1) were the only analytes detected in excess of MCP Method 1 standards from these five locations. The laboratory analytical results are summarized in Table 3.

Due to elevated concentrations of total metals (e.g., barium, cadmium, chromium, lead, mercury and/or zinc) and TCLP metals (i.e., lead) in one or more of the following soil borings TRC-1, TRC-17, TRC-37 and TRC-39 and benzo(a)pyrene in soil boring TRC-17, an expansion of the soil investigation was conducted by TRC on January 26 and 29, 2009. This included using direct push methods to advance nine additional soil borings (e.g., TRC-47 through TRC-55) in close proximity (i.e., within approximately 15 feet) of locations TRC-1, TRC-17, TRC-37 and TRC-39 (Figure 3). Once again all of the soil borings were geologically logged and field screened with a PID. Additional soil samples were submitted for laboratory analysis of total metals, TCLP metals and/or PAHs analysis. Only one sample (i.e., TRC-50(4) with a concentration of 6.36 mg/L) exhibited an exceedance of the associated TCLP criteria for lead. The laboratory analytical results are summarized in Table 3.

Three existing onsite monitoring wells (i.e., M-1 through M-3) could not be located by TRC prior to initiating investigation activities. Therefore, two permanent monitoring wells were

installed at soil boring locations TRC-10 and TRC-39 (i.e., monitoring wells TRC-1 and TRC-2, respectively) to account for the loss of these data points. Well construction logs are presented in Appendix A. Following installation, TRC developed the two newly installed wells and subsequently conducted groundwater sampling on January 29, 2009 using the low-flow protocol (low stress). Based on a need to supplement previous groundwater data at the Site and the fact that elevated metals, including potentially leachable lead, were detected in the soil, groundwater samples were submitted for laboratory analysis of total and dissolved SVOCs and total and dissolved metals. No compounds were detected above MCP GW-3 standards. The analytical data are summarized in Table 6.

4.0 OBJECTIVE, PLAN & IMPLEMENTATION SCHEDULE

4.1 Objective

Work to be performed under this RAM includes:

- Excavation of soil during construction activities;
- Excavation of approximately 1,340 tons of soil to reduce risk posed by contaminated soil/fill.
- Temporary stockpiling and stockpile management;
- Offsite reuse, recycling or disposal of contaminated soils excavated to reduce risk and uncontaminated soil displaced by Site construction and grading activity;
- Onsite reuse of soil suitable for such application;
- Replacing the removed soil where necessary with appropriately documented contaminant-free fill material screened in advance for the presence of regulated contaminants; and
- On-site groundwater management where excavation dewatering is required for construction and/or risk-reduction related excavation activity.

The City of New Bedford is anticipating that this work will begin on or about the week ending April 17, 2009 and will be finished by August 30, 2009.

4.2 Plan

4.2.1 Soil Excavation/Removal

TRC anticipates that approximately 1,340 tons of soil will be excavated to remove hot spots as part of this RAM, and transported offsite for reuse, recycling or disposal. The location of the planned excavation area is shown on Figure 3. Soils will be excavated from the southwestern slope of the Site to create a level parcel for installation of the new athletic fields. Soil excavation will also occur for the construction of athletic complex structures including the installation of an on-site building, tennis courts, and off-site utilities associated with the New Andrea McCoy Field athletic complex. Excavation activities for utilities will be managed under a separate URAM in accordance with MCP 310 CMR 40.0460. Excavation depths will vary from approximately ± 3 to ± 20 feet below grade depending on Site location and/or structure. Figure 3 shows the proposed soil hot spot excavation plan.

Appendix B contains Architect's Drawings and Sketches, including cut and fill evaluations.

The majority of excavated soil will be segregated and stockpiled in a designated on-site location pending on-site reuse or off-site reuse, recycling and/or disposal determinations. Excavated soils that are impacted will be placed on polyethylene sheeting (6-mil minimum) or similar, pending off-site disposal. Topsoil (or loam) will be stripped from the surface and also stockpiled

separately for reuse on-site. Soil will be managed as described in the *Soil and Groundwater Management Plan* in Appendix G.

TRC personnel will observe the excavation of the soil for visual and olfactory evidence of contamination during construction. The soil will also be monitored with a PID. Soil will be screened for VOCs using the MassDEP jar headspace method. Additional air monitoring may also be required during excavation activities to ensure worker's safety while in the work zone.

All soil excavation activities will be conducted in accordance with a site specific Health & Safety Plan (HASP), which includes potential hazards and outlines how to respond to emergencies.

4.2.2 Site Reconstruction

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

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

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

Copies of the Architectural Design (plans and sketches) are provided in Appendix B. Plans identify the post construction grade and proposed locations of structures associated with construction activities.

4.3 Implementation Schedule

The RAM activities associated with the excavation and/or removal of contaminated soil are scheduled to begin on or about the week ending April 17, 2009 and will be finished by August 30, 2009. TRC anticipates submittal of a RAM Completion Report within 60 days of the completion of all RAM activities, or a RAM status report if the outcome of activities are not sufficient to warrant a completion report.

5.0 REMEDIATION WASTE MANAGEMENT STATEMENT

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

The soil excavated from the localized areas containing elevated lead and petroleum at the Site as described in Section 4.0 of this RAM Plan will be transported off-site for disposal. The total volume of excavated soil to be transported from the Site as part of this RAM is approximately 1,340 tons. The *Soil and Groundwater Management Plan*, provided in Appendix G, outlines the plan for soil management at the Site.

5.1 On-Site Soil Management

Contaminated soil excavation will take place with qualified field oversight personnel. Contractors will be required to implement means to prevent fugitive dust generation.

Excavated soils associated with the RAM will be temporarily stored as needed on or adjacent to the Site and segregated into the following soil types by the degree of impact and proposed disposal facility:

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

Table 4 provides an excavation area summary that outlines proposed soil management types for each area. Soils types are further discussed in *Soil and Groundwater Management Plan* provided in Appendix G. The soil will be stockpiled on a minimum of 6-mil-thick polyethylene. Stockpiled materials will also be securely covered at the end of each work day or during periods of prolonged inactivity with a minimum of 6-mil-thick polyethylene overlapped and weighted to form a continuous waterproof barrier over the material. The cover will be maintained throughout the stockpile period to control water entering the stockpiled materials and to limit fugitive dust

generation. The Site will be secured by a temporary fence around the perimeter that limits unauthorized entry and contact with stored materials by trespassers.

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

Excavated soil that will be transported from the Site will be characterized as appropriate for off-site reuse, recycling, and/or disposal at a suitable facility. Several suitable off-site facilities are being considered, but the facility locations have not been finalized. Existing soil sample results (see Tables 1 through 3) will be used for off-site reuse, recycling, and/or disposal facility acceptance criteria characterization to the extent possible. The existing Site data will be supplemented as necessary to satisfy facility-specific acceptance criteria. Tables 5-1 through 5-8 compare contaminated soil data against Massachusetts reuse, recycling, and disposal criteria found in MassDEP Policy# COMM-97-001 and Interim Policy #WSC-94-400.

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

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

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

6.0 ENVIRONMENTAL MONITORING PLAN

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

6.1 Field Screening Associated with Soil Removal

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

6.1.1 Jar-Headspace Field Screening of Soils

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

6.2 Air Monitoring

On-site air monitoring will be conducted to evaluate Site working conditions to minimize exposures to workers and nearby residents.

6.2.1 Lead Air Monitoring

Air monitoring for lead will be performed using a combination of real-time dust monitoring and contingent integrated samples near the work area and downwind of the work area near potential human receptor locations.

6.2.1.1 Real-Time Dust Monitoring

When potentially contaminated soils are encountered during RAM-related contaminated soil excavation and management activities, real-time field screening of breathing zone dust levels will be conducted using direct reading instruments that are designed to monitor air quality on a real-time basis. A second instrument will be used to monitor community dust levels downwind of the excavation. The dust monitoring units will be TSI Dustrak™ units, or equivalent, equipment with size-selective inlet for particles of 10 micrometers in diameter or less (PM_{10}). Background samples will be collected for at least 15 minutes at each location prior to the start of site activities. The continuous dust monitor uses a light scattering photometer to quantify particles and converts the counts to a concentration in units of milligrams per cubic meter (mg/m^3). This instrumentation has an accuracy of 0.001 mg/m^3. The dust monitoring instruments will be placed in weatherproof cases with an omni-directional probe to minimize wind interference. The dust monitoring instruments will be zeroed daily before use and at the end of the day. Data will be logged at 60-second intervals and will be monitored periodically by field personnel during RAM-related excavation activities. Data will be downloaded daily.

6.2.1.2 Contingent Integrated Lead Air Samples

Integrated low-volume air samples will be collected in the immediate downwind residential area as a contingency using battery powered pumps. Samples will be submitted for analysis at an appropriately certified laboratory if sustained ambient dust levels exceed the EPA National Ambient Air Quality Standard (NAAQS) of 150 $\mu g/m^3$ at downwind sampling locations. A sustained reading would consist of a reading lasting 15 minutes or longer. This approach may be modified as additional data are considered.

6.2.2 VOC Air Monitoring

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

6.3 Action Levels

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

The work area Action Level for dust is 5 mg/m^3 above background. This value is based on the maximum soil concentrations for metals collected to date with a 50-percent safety margin. This conservative model assumes that the airborne dust is representative of the contaminants identified in Site soil (see Appendix F for supporting calculations).

The ambient Action Level is based on the EPA 24 hour NAAQS for PM_{10} particulate of 150 ug/m^3. If necessary, the integrated low-volume air samples will be submitted for laboratory analysis of lead and the results will be evaluated relative to the Massachusetts Threshold Effects Level (TEL), which are 24-hour standards.

7.0 FEDERAL, STATE & LOCAL PERMITS

7.1 Federal Permit Requirements

There are no known Federal environmental permit requirements.

7.2 State Permit Requirements

There are no known State environmental permit requirements.

7.3 Local Permit Requirements

There are no known Local environmental permit requirements.

7.4 Miscellaneous Fees, Notices, and Transportation Documentation

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

Massachusetts Dig-Safe must be notified at least 72 hours prior to commencing the excavation activities described in this RAM Plan.

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

8.0 SEAL & SIGNATURE OF LICENSED SITE PROFESSIONAL

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

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

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

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

Date

Stamp

9.0 CERTIFICATION OF FINANCIAL RESOURCES

In accordance with 310 CMR 40.0442(5) of the MCP, the City of New Bedford attests to the availability of sufficient financial resources for the transportation and recycling or disposal of excess and unsuitable soils.

10.0 OTHER RELEVANT INFORMATION

10.1 Public Involvement

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

11.0 REFERENCES

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

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

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

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

TABLES

Summary of Analytical Results for Soil Samples - Historical
Keith Junior High School
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	B-4		B-6	B-7		BOH-N	EW Sidewall	M-2	NW Sidewall	Keith S-1	Keith S-2
						Sample Depth (ft.):	4-6	9-11	4-6	0-2	2-4	8-10	6-8	4-6	6-8	1.5-4.75	0.5-1.25
						Sample Date:	10/11/2000	10/11/2000	10/12/2000	10/12/2000	10/12/2000	1/25/2008	1/25/2008	10/11/2000	1/25/2008	4/18/2006	4/18/2006
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*											
VPH																	
(mg/kg)	C5-C8 Aliphatics	100	100	500	500	100	NA	3.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9-C12 Aliphatics	1,000	1,000	3,000	3,000	1,000	NA	3.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9-C10 Aromatics	100	100	500	500	100	NA	3.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	30	200	200	2	NA	0.30 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1,000	1,000	40	NA	0.30 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MTBE	100	100	100	500	0.1	NA	0.30 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	NA	0.30 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1,000	1,000	30	NA	0.30 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m/p-Xylene	300	500	300	1,000	300	NA	0.30 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	300	500	300	1,000	300	NA	0.30 U	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPH/PAHs																	
(mg/kg)	C9-C18 Aliphatics	1,000	1,000	3,000	3,000	1,000	NA	12 U	NA	NA	NA	25 U	**45**	NA	**18**	NA	NA
	C19-C36 Aliphatics	3,000	3,000	5,000	5,000	3,000	NA	12 U	NA	NA	NA	25 U	**33**	NA	14.3 U	NA	NA
	C11-C22 Aromatics	1,000	1,000	3,000	3,000	1,000	NA	12 U	NA	NA	NA	25 U	**29**	NA	14.3 U	NA	NA
	Acenaphthene	1,000	1,000	3,000	3,000	4	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	0.056 U	0.057 U
	Acenaphthylene	600	10	600	10	1	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	0.056 U	**0.30**
	Anthracene	1,000	1,000	3,000	3,000	1,000	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	0.056 U	**0.40**
	Benzo(a)anthracene	7	7	40	40	7	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	**0.091**	**1.2**
	Benzo(a)pyrene	2	2	4	4	2	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	**0.081**	**1.3**
	Benzo(b)fluoranthene	7	7	40	40	7	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	**0.14**	**1.7**
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	0.056 U	**0.39**
	Benzo(k)fluoranthene	70	70	400	400	70	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	0.056 U	**0.53**
	Chrysene	70	70	400	400	70	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	**0.094**	**1.1**
	Dibenzo(a,h)anthracene	0.7	0.7	4	4	0.7	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	0.056 U	**0.17**
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.056 U	0.057 U
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	**0.20**	**1.8**
	Fluorene	1,000	1,000	3,000	3,000	1,000	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	0.056 U	0.057 U
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	0.056 U	**0.48**
	2-Methylnaphthalene	80	300	80	500	0.7	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	0.056 U	0.057 U
	Naphthalene	40	500	40	1,000	4	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	0.056 U	0.057 U
	Phenanthrene	500	500	1,000	1,000	10	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	**0.16**	**0.72**
	Pyrene	1,000	1,000	3,000	3,000	1,000	NA	0.12 U	NA	NA	NA	NA	NA	NA	NA	**0.18**	**1.9**
Pesticides																	
(mg/kg)	Aldrin	0.04	0.04	0.4	0.4	0.04	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	alpha-BHC	NS	NS	NS	NS	50	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	beta-BHC	NS	NS	NS	NS	10	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	delta-BHC	NS	NS	NS	NS	10	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	gamma-BHC (Lindane)	0.7	0.5	2	0.5	0.003	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	alpha-Chlordane	NS	NS	NS	NS	0.7	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	gamma-Chlordane	NS	NS	NS	NS	0.7	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	Chlordane	0.7	0.7	30	30	0.7	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	4,4-DDD	4	4	30	30	4	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	4,4-DDE	3	3	20	20	3	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	4,4-DDT	3	3	20	20	3	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	Dieldrin	0.05	0.05	0.4	0.4	0.05	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA

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New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	B-4		B-6	B-7		BOH-N	EW Sidewall	M-2	NW Sidewall	Keith S-1	Keith S-2
						Sample Depth (ft.):	4-6	9-11	4-6	0-2	2-4	8-10	6-8	4-6	6-8	1.5-4.75	0.5-1.25
						Sample Date:	10/11/2000	10/11/2000	10/12/2000	10/12/2000	10/12/2000	1/25/2008	1/25/2008	10/11/2000	1/25/2008	4/18/2006	4/18/2006
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*											
	Endosulfan I	NS	NS	NS	NS	0.5	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	Endosulfan II	NS	NS	NS	NS	0.5	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	Endosulfan Sulfate	NS	NS	NS	NS	0.5	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	Endrin	8	8	10	10	8	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	Endrin Aldehyde	NS	NS	NS	NS	10	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	Endrin Ketone	NS	NS	NS	NS	NS	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	Heptachlor	0.2	0.2	2	2	0.2	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	Heptachlor Epoxide	0.09	0.09	0.7	0.7	0.09	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	Methoxychlor	200	200	300	300	200	0.00076 U	NA	NA	0.00083 U	NA	NA	NA	0.00071 U	NA	NA	NA
	Toxaphene	NS	NS	NS	NS	10	0.038 U	NA	NA	0.042 U	NA	NA	NA	0.036 U	NA	NA	NA
PCBs																	
(mg/kg)	PCB 1016	2	2	3	3	2	NA	0.016 U	0.037 U	NA	NA	NA	NA	NA	NA	0.1 U	0.1 U
	PCB-1221	2	2	3	3	2	NA	0.016 U	0.037 U	NA	NA	NA	NA	NA	NA	0.2 U	0.2 U
	PCB-1232	2	2	3	3	2	NA	0.016 U	0.037 U	NA	NA	NA	NA	NA	NA	0.1 U	0.1 U
	PCB-1242	2	2	3	3	2	NA	0.016 U	0.037 U	NA	NA	NA	NA	NA	NA	0.1 U	0.1 U
	PCB-1248	2	2	3	3	2	NA	0.016 U	0.037 U	NA	NA	NA	NA	NA	NA	0.1 U	0.1 U
	PCB-1254	2	2	3	3	2	NA	0.016 U	0.037 U	NA	NA	NA	NA	NA	NA	0.1 U	0.1 U
	PCB-1260	2	2	3	3	2	NA	0.016 U	0.037 U	NA	NA	NA	NA	NA	NA	0.1 U	0.1 U
	PCB 1262	2	2	3	3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U	0.1 U
	PCB 1268	2	2	3	3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.1 U	0.1 U
	Total PCBs	2	2	3	3	2	NA	0.016 U	0.037 U	NA	NA	NA	NA	NA	NA	0.2 U	0.2 U
Metals, total																	
(mg/kg)	Arsenic	20	20	20	20	20	0.51 U	NA	1.2 U	NA	0.51 U	NA	NA	0.48 U	NA	**8.45**	**4.3**
	Barium	1,000	1,000	3,000	3,000	1,000	**7.5**	NA	**14**	NA	**7.7**	NA	NA	**12**	NA	**358**	**262**
	Cadmium	2	2	30	30	2	0.10 U	NA	0.25 U	NA	0.10 U	NA	NA	0.097 U	NA	**9.13**	**1.56**
	Chromium	30	30	200	200	30	**2.6**	NA	**4.6**	NA	**3.5**	NA	NA	**3.3**	NA	**17**	**18**
	Lead	300	300	300	300	300	**1.9**	NA	**1.9**	NA	**11**	NA	NA	**23**	NA	**384**	**437**
	Mercury	20	20	30	30	20	0.023 U	NA	0.055 U	NA	**0.037**	NA	NA	**0.086**	NA	**0.109**	**0.278**
	Selenium	400	400	800	800	400	**1.6**	NA	**1.9**	NA	**2.5**	NA	NA	**1.8**	NA	**2.92**	0.74 U
	Silver	100	100	200	200	100	0.10 U	NA	0.25 U	NA	0.10 U	NA	NA	0.097 U	NA	0.37 U	0.37 U

Notes:

All units in mg/kg unless otherwise specified.

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

NA - Sample not analyzed for the listed analyte.

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

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 Method 1 standards.

EPH - Extractable Petroleum Hydrocarbons.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

VPH - Volatile Petroleum Hydrocarbons.

RC - Reportable Concentration.

* - For reference purposes only.

Summary of Analytical Results for Soil Samples - Historical
Keith Junior High School
New Bedford, Massachusetts

Analysis	Analyte	S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*	Keith S-5	Keith S-6	Keith S-7	Keith S-8	Keith S-9		Keith S-10	Keith S-11	Keith S-12	SS-1	SS-2
	Sample ID:						Keith S-5	Keith S-6	Keith S-7	Keith S-8	Keith S-9		Keith S-10	Keith S-11	Keith S-12	SS-1	SS-2
	Sample Depth (ft.):						1.5-2	0-0.5	0-0.5	0-0.5	0-0.5	1.5-1.75	0-0.5	0-0.5	0-0.5		
	Sample Date:						4/18/2006	4/18/2006	4/18/2006	4/18/2006	4/18/2006	4/18/2006	4/18/2006	4/18/2006	4/18/2006	8/30/2000	8/30/2000
VPH																	
(mg/kg)	C5-C8 Aliphatics	100	100	500	500	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9-C12 Aliphatics	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	C9-C10 Aromatics	100	100	500	500	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	30	200	200	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethylbenzene	500	500	1,000	1,000	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MTBE	100	100	100	500	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1,000	1,000	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m/p-Xylene	300	500	300	1,000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	300	500	300	1,000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
EPH/PAHs																	
(mg/kg)	C9-C18 Aliphatics	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.3 U	29.1 U
	C19-C36 Aliphatics	3,000	3,000	5,000	5,000	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.3 U	29.1 U
	C11-C22 Aromatics	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.3 U	29.1 U
	Acenaphthene	1,000	1,000	3,000	3,000	4	0.058 U	**0.14**	0.057 U	0.061 U	0.056 U	**0.97**	0.058 U	**0.086**	0.98 U	0.417 U	0.388 U
	Acenaphthylene	600	10	600	10	1	0.058 U	**0.090**	0.057 U	0.061 U	0.056 U	**1.1**	0.058 U	**0.093**	0.98 U	0.417 U	0.388 U
	Anthracene	1,000	1,000	3,000	3,000	1,000	0.058 U	**0.37**	0.057 U	**0.061**	0.056 U	**4.2**	0.058 U	**0.23**	0.98 U	0.417 U	0.388 U
	Benzo(a)anthracene	7	7	40	40	7	0.058 U	**0.94**	**0.080**	**0.15**	**0.12**	**5.6**	**0.14**	**0.76**	**1.5**	**0.552**	0.388 U
	Benzo(a)pyrene	2	2	4	4	2	0.058 U	**0.85**	**0.083**	**0.14**	**0.12**	**3.6**	**0.16**	**0.78**	**1.8**	**0.532**	0.388 U
	Benzo(b)fluoranthene	7	7	40	40	7	0.058 U	**1.2**	**0.12**	**0.18**	**0.18**	**4.2**	**0.23**	**1.3**	**2.5**	**0.717**	0.388 U
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	0.058 U	**0.31**	0.057 U	**0.075**	**0.058**	**1.3**	**0.080**	**0.25**	0.98 U	0.417 U	0.388 U
	Benzo(k)fluoranthene	70	70	400	400	70	0.058 U	**0.46**	0.057 U	**0.063**	0.056 U	**1.4**	**0.068**	**0.37**	0.98 U	0.417 U	0.388 U
	Chrysene	70	70	400	400	70	0.058 U	**0.85**	**0.083**	**0.13**	**0.13**	**5.0**	**0.14**	**0.68**	**1.3**	**0.576**	0.388 U
	Dibenzo(a,h)anthracene	0.7	0.7	4	4	0.7	0.058 U	**0.12**	0.057 U	0.061 U	0.056 U	**0.65**	0.058 U	**0.10**	0.98 U	0.417 U	0.388 U
	Dibenzofuran	NS	NS	NS	NS	100	0.058 U	**0.072**	0.057 U	0.061 U	0.056 U	**0.51**	0.058 U	0.059 U	0.98 U	NA	NA
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	0.058 U	**2.0**	**0.17**	**0.34**	**0.26**	**10**	**0.35**	**1.6**	**2.4**	**1.29**	0.388 U
	Fluorene	1,000	1,000	3,000	3,000	1,000	0.058 U	**0.19**	0.057 U	0.061 U	0.056 U	**2.0**	0.058 U	**0.088**	0.98 U	0.417 U	0.388 U
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	0.058 U	**0.37**	0.057 U	**0.082**	**0.067**	**1.6**	**0.087**	**0.30**	0.98 U	0.417 U	0.388 U
	2-Methylnaphthalene	80	300	80	500	0.7	0.058 U	0.059 U	0.057 U	0.061 U	0.056 U	**0.39**	0.058 U	0.059 U	0.98 U	0.417 U	0.388 U
	Naphthalene	40	500	40	1,000	4	0.058 U	0.059 U	0.057 U	0.061 U	0.056 U	**0.36**	0.058 U	0.059 U	0.98 U	0.417 U	0.388 U
	Phenanthrene	500	500	1,000	1,000	10	0.058 U	**1.7**	**0.089**	**0.24**	**0.14**	**16**	**0.19**	**1.0**	**1.3**	**1.04**	0.388 U
	Pyrene	1,000	1,000	3,000	3,000	1,000	0.058 U	**1.8**	**0.16**	**0.28**	**0.27**	**10**	**0.29**	**1.6**	**3.8**	**1.02**	0.388 U
Pesticides																	
(mg/kg)	Aldrin	0.04	0.04	0.4	0.4	0.04	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-BHC	NS	NS	NS	NS	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	beta-BHC	NS	NS	NS	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	delta-BHC	NS	NS	NS	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-BHC (Lindane)	0.7	0.5	2	0.5	0.003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	alpha-Chlordane	NS	NS	NS	NS	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	gamma-Chlordane	NS	NS	NS	NS	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlordane	0.7	0.7	30	30	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4-DDD	4	4	30	30	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4-DDE	3	3	20	20	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4,4-DDT	3	3	20	20	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dieldrin	0.05	0.05	0.4	0.4	0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Summary of Analytical Results for Soil Samples - Historical
Keith Junior High School
New Bedford, Massachusetts

Analysis	Analyte	S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*	Keith S-5	Keith S-6	Keith S-7	Keith S-8	Keith S-9		Keith S-10	Keith S-11	Keith S-12	SS-1	SS-2
	Sample Depth (ft.):						1.5-2	0-0.5	0-0.5	0-0.5	0-0.5	1.5-1.75	0-0.5	0-0.5	0-0.5		
	Sample Date:						4/18/2006	4/18/2006	4/18/2006	4/18/2006	4/18/2006	4/18/2006	4/18/2006	4/18/2006	4/18/2006	8/30/2000	8/30/2000
	Endosulfan I	NS	NS	NS	NS	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan II	NS	NS	NS	NS	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endosulfan Sulfate	NS	NS	NS	NS	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin	8	8	10	10	8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin Aldehyde	NS	NS	NS	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Endrin Ketone	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor	0.2	0.2	2	2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Heptachlor Epoxide	0.09	0.09	0.7	0.7	0.09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methoxychlor	200	200	300	300	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toxaphene	NS	NS	NS	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																	
(mg/kg)	PCB 1016	2	2	3	3	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0417 U	0.0386 U
	PCB-1221	2	2	3	3	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.0833 U	0.0773 U
	PCB-1232	2	2	3	3	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0417 U	0.0386 U
	PCB-1242	2	2	3	3	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0417 U	0.0386 U
	PCB-1248	2	2	3	3	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.0417 U	0.0386 U
	PCB-1254	2	2	3	3	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.90**	0.1 U	0.0417 U	0.0386 U
	PCB-1260	2	2	3	3	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	**0.0593**	0.0386 U
	PCB 1262	2	2	3	3	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA
	PCB 1268	2	2	3	3	2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	NA	NA
	Total PCBs	2	2	3	3	2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.90**	0.2 U	**0.0593**	0.0386 U
Metals, total																	
(mg/kg)	Arsenic	20	20	20	20	20	**21**	**1.82**	**3.59**	**2.24**	**1.68**	**2.38**	**1.17**	**3.06**	0.68 U	**4.35**	3.82 U
	Barium	1,000	1,000	3,000	3,000	1,000	**112**	**70**	**20**	**31**	**38**	**90**	**33**	**156**	**55**	**49.1**	**18.9**
	Cadmium	2	2	30	30	2	**1.84**	**0.99**	**0.55**	**0.48**	**0.53**	**0.71**	**0.55**	**0.92**	**0.48**	**0.725**	0.382 U
	Chromium	30	30	200	200	30	**15**	**12**	**9.37**	**9.13**	**8.7**	**8.57**	**10**	**16**	**30**	**9.31**	**10**
	Lead	300	300	300	300	300	**109**	**117**	**81**	**72**	**283**	**231**	**65**	**180**	**32**	**151**	**32.3**
	Mercury	20	20	30	30	20	0.076 U	**0.124**	**0.084**	**0.105**	**0.134**	**0.149**	**0.099**	**0.195**	0.058 U	**0.127**	0.0775 U
	Selenium	400	400	800	800	400	**1.23**	**1.36**	**1.25**	**0.80**	**1.37**	**0.87**	0.78 U	**1.38**	**1.03**	8.3 U	7.6 U
	Silver	100	100	200	200	100	**0.38**	0.38 U	0.39 U	0.40 U	0.38 U	0.40 U	0.39 U	0.38	0.34 U	0.417 U	0.382 U

Notes:

All units in mg/kg unless otherwise specified.

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

NA - Sample not analyzed for the listed analyte.

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

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 Method 1 standards.

EPH - Extractable Petroleum Hydrocarbons.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

VPH - Volatile Petroleum Hydrocarbons.

RC - Reportable Concentration.

* - For reference purposes only.

Summary of Analytical Results for Soil Samples - Historical
Keith Junior High School
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	SS-3	SS-4	SS-5	SS-6	TP-1	TP-3	TP-4	TP-6	TP-8	TP-11
						Sample Depth (ft.):					7-8	8-10	10	8-9	9	9
						Sample Date:	8/30/2000	8/30/2000	8/30/2000	8/30/2000	10/11/2000	10/11/2000	10/11/2000	10/11/2000	10/11/2000	10/11/2000
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*										
VPH																
(mg/kg)	C5-C8 Aliphatics	100	100	500	500	100	NA	NA	NA	NA	3.0 U	NA	2.9 U	3.0 U	2.7 U	14 U
	C9-C12 Aliphatics	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	3.0 U	NA	2.9 U	3.0 U	2.7 U	14 U
	C9-C10 Aromatics	100	100	500	500	100	NA	NA	NA	NA	3.0 U	NA	2.9 U	3.0 U	2.7 U	**35**
	Benzene	30	30	200	200	2	NA	NA	NA	NA	0.30 U	NA	0.29 U	0.30 U	0.27 U	1.4 U
	Ethylbenzene	500	500	1,000	1,000	40	NA	NA	NA	NA	0.30 U	NA	0.29 U	0.30 U	0.27 U	1.4 U
	MTBE	100	100	100	500	0.1	NA	NA	NA	NA	0.30 U	NA	0.29 U	0.30 U	0.27 U	1.4 U
	Naphthalene	40	500	40	1,000	4	NA	NA	NA	NA	0.30 U	NA	0.29 U	0.30 U	0.27 U	1.4 U
	Toluene	500	500	1,000	1,000	30	NA	NA	NA	NA	0.30 U	NA	0.29 U	0.30 U	0.27 U	1.4 U
	m/p-Xylene	300	500	300	1,000	300	NA	NA	NA	NA	0.30 U	NA	0.29 U	0.30 U	0.27 U	1.4 U
	o-Xylene	300	500	300	1,000	300	NA	NA	NA	NA	0.30 U	NA	0.29 U	0.30 U	0.27 U	1.4 U
EPH/PAHs																
(mg/kg)	C9-C18 Aliphatics	1,000	1,000	3,000	3,000	1,000	30.5 U	28.4 U	30.5 U	31.3 U	12 U	NA	12 U	12 U	11 U	**260**
	C19-C36 Aliphatics	3,000	3,000	5,000	5,000	3,000	30.5 U	28.4 U	30.5 U	31.3 U	12 U	NA	12 U	12 U	11 U	**140**
	C11-C22 Aromatics	1,000	1,000	3,000	3,000	1,000	30.5 U	28.4 U	30.5 U	31.3 U	**20**	NA	12 U	12 U	11 U	**440**
	Acenaphthene	1,000	1,000	3,000	3,000	4	0.407 U	0.379 U	0.407 U	0.417 U	0.12 U	NA	0.12 U	0.12 U	0.11 U	**0.31**
	Acenaphthylene	600	10	600	10	1	0.407 U	0.379 U	0.407 U	0.417 U	0.12 U	NA	0.12 U	0.12 U	0.11 U	0.11 U
	Anthracene	1,000	1,000	3,000	3,000	1,000	0.407 U	0.379 U	0.407 U	0.417 U	0.12 U	NA	0.12 U	0.12 U	0.11 U	**0.20**
	Benzo(a)anthracene	7	7	40	40	7	0.407 U	**0.983**	0.407 U	**0.645**	**0.25**	NA	0.12 U	0.12 U	0.11 U	**0.20**
	Benzo(a)pyrene	2	2	4	4	2	0.407 U	**0.932**	0.407 U	**0.595**	**0.21**	NA	0.12 U	0.12 U	0.11 U	**0.16**
	Benzo(b)fluoranthene	7	7	40	40	7	0.407 U	**1.16**	0.407 U	**0.797**	**0.28**	NA	0.12 U	0.12 U	0.11 U	**0.22**
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	0.407 U	**0.43**	0.407 U	0.417 U	0.12 U	NA	0.12 U	0.12 U	0.11 U	0.11 U
	Benzo(k)fluoranthene	70	70	400	400	70	0.407 U	0.379 U	0.407 U	0.417 U	0.12 U	NA	0.12 U	0.12 U	0.11 U	0.11 U
	Chrysene	70	70	400	400	70	0.407 U	**0.996**	0.407 U	**0.617**	**0.25**	NA	0.12 U	0.12 U	0.11 U	**0.24**
	Dibenzo(a,h)anthracene	0.7	0.7	4	4	0.7	0.407 U	0.379 U	0.407 U	0.417 U	0.12 U	NA	0.12 U	0.12 U	0.11 U	0.11 U
	Dibenzofuran	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	**0.582**	**2.03**	0.407 U	**1.53**	**0.65**	NA	0.12 U	0.12 U	0.11 U	**0.42**
	Fluorene	1,000	1,000	3,000	3,000	1,000	0.407 U	0.379 U	0.407 U	0.417 U	0.12 U	NA	0.12 U	0.12 U	0.11 U	**0.53**
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	0.407 U	0.379 U	0.407 U	0.417 U	0.12 U	NA	0.12 U	0.12 U	0.11 U	0.11 U
	2-Methylnaphthalene	80	300	80	500	0.7	0.407 U	0.379 U	0.407 U	0.417 U	0.12 U	NA	0.12 U	0.12 U	0.11 U	**0.41**
	Naphthalene	40	500	40	1,000	4	0.407 U	0.379 U	0.407 U	0.417 U	0.12 U	NA	0.12 U	0.12 U	0.11 U	**0.43**
	Phenanthrene	500	500	1,000	1,000	10	0.407 U	**1.43**	0.407 U	**1.05**	**0.49**	NA	0.12 U	0.12 U	0.11 U	**1.3**
	Pyrene	1,000	1,000	3,000	3,000	1,000	**0.551**	**1.83**	0.407 U	**1.23**	**0.56**	NA	0.12 U	0.12 U	0.11 U	**0.58**
Pesticides																
(mg/kg)	Aldrin	0.04	0.04	0.4	0.4	0.04	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	alpha-BHC	NS	NS	NS	NS	50	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	beta-BHC	NS	NS	NS	NS	10	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	delta-BHC	NS	NS	NS	NS	10	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	gamma-BHC (Lindane)	0.7	0.5	2	0.5	0.003	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	alpha-Chlordane	NS	NS	NS	NS	0.7	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	gamma-Chlordane	NS	NS	NS	NS	0.7	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	Chlordane	0.7	0.7	30	30	0.7	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	4,4-DDD	4	4	30	30	4	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	4,4-DDE	3	3	20	20	3	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	4,4-DDT	3	3	20	20	3	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	Dieldrin	0.05	0.05	0.4	0.4	0.05	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA

Summary of Analytical Results for Soil Samples - Historical
Keith Junior High School
New Bedford, Massachusetts

Analysis	Analyte	S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*	SS-3	SS-4	SS-5	SS-6	TP-1	TP-3	TP-4	TP-6	TP-8	TP-11
	Sample Depth (ft.):										7-8	8-10	10	8-9	9	9
	Sample Date:						8/30/2000	8/30/2000	8/30/2000	8/30/2000	10/11/2000	10/11/2000	10/11/2000	10/11/2000	10/11/2000	10/11/2000
	Endosulfan I	NS	NS	NS	NS	0.5	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	Endosulfan II	NS	NS	NS	NS	0.5	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	Endosulfan Sulfate	NS	NS	NS	NS	0.5	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	Endrin	8	8	10	10	8	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	Endrin Aldehyde	NS	NS	NS	NS	10	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	Endrin Ketone	NS	NS	NS	NS	NS	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	Heptachlor	0.2	0.2	2	2	0.2	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	Heptachlor Epoxide	0.09	0.09	0.7	0.7	0.09	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	Methoxychlor	200	200	300	300	200	NA	NA	NA	NA	0.00081 U	0.00075 U	NA	0.00081 U	NA	NA
	Toxaphene	NS	NS	NS	NS	10	NA	NA	NA	NA	0.040 U	0.038 U	NA	0.040 U	NA	NA
PCBs																
(mg/kg)	PCB 1016	2	2	3	3	2	0.0407 U	0.0378 U	0.0407 U	0.0417 U	0.016 U	NA	NA	0.016 U	0.014 U	0.015 U
	PCB-1221	2	2	3	3	2	0.0813 U	0.0755 U	0.0813 U	0.0833 U	0.016 U	NA	NA	0.016 U	0.014 U	0.015 U
	PCB-1232	2	2	3	3	2	0.0407 U	0.0378 U	0.0407 U	0.0417 U	0.016 U	NA	NA	0.016 U	0.014 U	0.015 U
	PCB-1242	2	2	3	3	2	0.0407 U	0.0378 U	0.0407 U	0.0417 U	0.016 U	NA	NA	0.016 U	0.014 U	**1.0**
	PCB-1248	2	2	3	3	2	0.0407 U	0.0378 U	0.0407 U	0.0417 U	0.016 U	NA	NA	0.016 U	0.014 U	0.015 U
	PCB-1254	2	2	3	3	2	0.0407 U	**0.352**	0.0407 U	0.0417 U	0.016 U	NA	NA	0.016 U	0.014 U	0.015 U
	PCB-1260	2	2	3	3	2	**0.0661**	0.0378 U	**0.0541**	**0.0674**	0.016 U	NA	NA	**0.020**	0.014 U	**0.045**
	PCB 1262	2	2	3	3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PCB 1268	2	2	3	3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	**0.0661**	**0.352**	**0.0541**	**0.0674**	0.016 U	NA	NA	**0.020**	0.014 U	**1.045**
Metals, total																
(mg/kg)	Arsenic	20	20	20	20	20	**4.0**	3.71 U	ND	3.79 U	0.55 U	0.51 U	NA	NA	NA	NA
	Barium	1,000	1,000	3,000	3,000	1,000	**43**	**78**	**29.3**	**51.3**	**28**	**7.8**	NA	NA	NA	NA
	Cadmium	2	2	30	30	2	**0.536**	**0.535**	**0.425**	**0.417**	**0.40**	0.10 U	NA	NA	NA	NA
	Chromium	30	30	200	200	30	**13.2**	**7.75**	**7.83**	**9.42**	**6.1**	**2.7**	NA	NA	NA	NA
	Lead	300	300	300	300	300	**80.9**	**590**	**73.2**	**77.6**	**61**	**2.5**	NA	NA	NA	NA
	Mercury	20	20	30	30	20	**0.0976**	**0.112**	**0.11**	**0.0967**	**0.086**	0.023 U	NA	NA	NA	NA
	Selenium	400	400	800	800	400	7.8 U	7.4 U	ND	7.6 U	**2.2**	**1.6**	NA	NA	NA	NA
	Silver	100	100	200	200	100	0.388 U	0.371 U	ND	0.379 U	0.11 U	0.10 U	NA	NA	NA	NA

Notes:

All units in mg/kg unless otherwise specified.

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

NA - Sample not analyzed for the listed analyte.

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

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 Method 1 standards.

EPH - Extractable Petroleum Hydrocarbons.

PAHs - Polynuclear Aromatic Hydrocarbons.

PCBs - Polychlorinated Biphenyls.

VPH - Volatile Petroleum Hydrocarbons.

RC - Reportable Concentration.

* - For reference purposes only.

Table 2
Summary of Analytical Results for Post-Removal Soil Samples - November 2008
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	LEAD-1	LEAD-2	LEAD-3	LEAD-4	LEAD-5	UST-1S		UST-2N	
						Sample Depth (ft.):	1-3	2-3	1-3	1-2.5	0.5-2	5-7	11-12	5-7	11-12
						Sample Date:	11/14/2008	11/14/2008	11/14/2008	11/14/2008	11/14/2008	11/14/2008	11/14/2008	11/14/2008	11/14/2008
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*									
EPH															
(mg/kg)	C9-C18 Aliphatics	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	33.3 U	34.1 U	36.4 U	67.5 U
	C19-C36 Aliphatics	3,000	3,000	5,000	5,000	3,000	NA	NA	NA	NA	NA	33.3 U	34.1 U	36.4 U	67.5 U
	C11-C22 Aromatics	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	33.3 U	34.1 U	36.4 U	67.5 U
	Acenaphthene	1,000	1,000	3,000	3,000	4	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Anthracene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Fluorene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Naphthalene	40	500	40	1,000	4	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Phenanthrene	500	500	1,000	1,000	10	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
	Pyrene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	0.20 U	0.20 U	0.20 U	0.30 U
Metals, total															
(mg/kg)	Lead	300	300	300	300	300	**28.6**	**28.3**	**41.2**	**101**	**443**	NA	NA	**21.9**	NA

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
NA - Sample not analyzed for the listed 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 Method 1 standards.
EPH - Extractable Petroleum Hydrocarbons.
RC - Reportable Concentration.
* - For reference purposes only.

Table 2
Summary of Analytical Results for Post-Removal Soil Samples - November 2008
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	UST-3E				UST-4E		UST-4W			UST-5C	
						Sample Depth (ft.):	1-3	5-7	11-12	11-12	5-7	11-12	1-3	5-7	11-12	5-7	11-12
						Sample Date:	11/14/2008	11/14/2008	11/14/2008	11/14/2008	11/14/2008	11/14/2008	11/14/2008	11/14/2008	11/14/2008	11/14/2008	11/14/2008
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*				Field Dup							
EPH																	
(mg/kg)	C9-C18 Aliphatics	1,000	1,000	3,000	3,000	1,000	67.6 U	**5,630**	32.9 U	66.5 U	192 U	35.9 U	35.4 U	33.6 U	33.6 U	36.0 U	34.7 U
	C19-C36 Aliphatics	3,000	3,000	5,000	5,000	3,000	67.6 U	**1,250**	32.9 U	66.5 U	192 U	35.9 U	35.4 U	33.6 U	33.6 U	36.0 U	34.7 U
	C11-C22 Aromatics	1,000	1,000	3,000	3,000	1,000	67.6 U	**1,740**	32.9 U	66.5 U	192 U	35.9 U	35.4 U	33.6 U	33.6 U	36.0 U	34.7 U
	Acenaphthene	1,000	1,000	3,000	3,000	4	0.30 U	**6.6**	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Acenaphthylene	600	10	600	10	1	0.30 U	**14.8**	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Anthracene	1,000	1,000	3,000	3,000	1,000	0.30 U	**5.3**	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Benzo(a)anthracene	7	7	40	40	7	**0.40**	0.60 U	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Benzo(a)pyrene	2	2	4	4	2	**0.40**	0.60 U	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Benzo(b)fluoranthene	7	7	40	40	7	**0.50**	0.60 U	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	0.30 U	0.60 U	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Benzo(k)fluoranthene	70	70	400	400	70	0.30 U	0.60 U	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Chrysene	70	70	400	400	70	**0.50**	0.60 U	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	0.30 U	0.60 U	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	**1.1**	0.60 U	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Fluorene	1,000	1,000	3,000	3,000	1,000	0.30 U	**20.6**	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	0.30 U	0.60 U	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	2-Methylnaphthalene	80	300	80	500	0.7	**0.30**	**65.7**	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Naphthalene	40	500	40	1,000	4	0.30 U	**16.4**	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Phenanthrene	500	500	1,000	1,000	10	**1.2**	**12.3**	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
	Pyrene	1,000	1,000	3,000	3,000	1,000	**1.1**	0.60 U	0.20 U	0.30 U	0.70 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Metals, total																	
(mg/kg)	Lead	300	300	300	300	300	**27.5**	NA	**8.98**	**22.1**	NA	NA	**39.5**	NA	**2.25**	NA	NA

Notes:

All units in mg/kg unless otherwise specified.

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

NA - Sample not analyzed for the listed 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 Method 1 standards.

EPH - Extractable Petroleum Hydrocarbons.

RC - Reportable Concentration.

* - For reference purposes only.

Table 3
Summary of Analytical Results for Soil Samples - January 2009
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-01			TRC-10				TRC-17				TRC-23		
						Sample Depth (ft.):	1	5	8	1	4	9	12	1	1	5	7	1	8	12
						Sample Date:	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/22/2009	1/22/2009	1/22/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*									Field Dup					
VOCs (mg/kg)	Acetone	50	400	50	400	6	NA	0.11 U	NA	NA	0.12 U	NA	NA	NA	NA	0.10 U	NA	NA	0.049 U	NA
	tert-Amylmethyl Ether	NS	NS	NS	NS	NS	NA	0.002 U	NA	NA	0.002 U	NA	NA	NA	NA	0.001 U	NA	NA	0.001 U	NA
	Benzene	30	30	200	200	2	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	Bromobenzene	NS	NS	NS	NS	100	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	Bromochloromethane	NS	NS	NS	NS	NS	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	Bromodichloromethane	0.1	20	0.1	100	0.1	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	Bromoform	1	200	1	800	0.1	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	Bromomethane	0.5	30	0.5	30	0.5	NA	0.011 U	NA	NA	0.012 U	NA	NA	NA	NA	0.010 U	NA	NA	0.005 U	NA
	2-Butanone (MEK)	50	400	50	400	4	NA	0.041 U	NA	NA	0.047 U	NA	NA	NA	NA	0.040 U	NA	NA	0.020 U	NA
	n-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	sec-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	tert-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	tert-Butylethyl Ether	NS	NS	NS	NS	NS	NA	0.002 U	NA	NA	0.002 U	NA	NA	NA	NA	0.001 U	NA	NA	0.001 U	NA
	Carbon Disulfide	NS	NS	NS	NS	100	NA	0.007 U	NA	NA	0.008 U	NA	NA	NA	NA	0.006 U	NA	NA	0.003 U	NA
	Carbon Tetrachloride	5	10	5	60	5	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	Chlorobenzene	3	100	3	100	1	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	Chlorodibromomethane	0.03	20	0.03	100	0.005	NA	0.002 U	NA	NA	0.002 U	NA	NA	NA	NA	0.001 U	NA	NA	0.001 U	NA
	Chloroethane	NS	NS	NS	NS	100	NA	0.021 U	NA	NA	0.024 U	NA	NA	NA	NA	0.020 U	NA	NA	0.010 U	NA
	Chloroform	0.3	400	0.3	800	0.3	NA	0.005 U	NA	NA	0.005 U	NA	NA	NA	NA	0.004 U	NA	NA	0.002 U	NA
	Chloromethane	NS	NS	NS	NS	100	NA	0.011 U	NA	NA	0.012 U	NA	NA	NA	NA	0.010 U	NA	NA	0.005 U	NA
	2-Chlorotoluene	NS	NS	NS	NS	100	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	4-Chlorotoluene	NS	NS	NS	NS	100	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,2-Dibromo-3-Chloropropane	NS	NS	NS	NS	10	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,2-Dibromoethane	0.1	0.7	0.1	4	0.1	NA	0.002 U	NA	NA	0.002 U	NA	NA	NA	NA	0.001 U	NA	NA	0.001 U	NA
	Dibromomethane	NS	NS	NS	NS	500	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,2-Dichlorobenzene	30	300	30	300	9	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,3-Dichlorobenzene	40	100	40	500	1	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	Dichlorodifluoromethane	NS	NS	NS	NS	1,000	NA	0.021 U	NA	NA	0.024 U	NA	NA	NA	NA	0.020 U	NA	NA	0.010 U	NA
	1,1-Dichloroethane	5	500	5	1000	0.4	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,2-Dichloroethane	0.1	10	0.1	90	0.1	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,1-Dichloroethylene	40	500	40	1000	3	NA	0.005 U	NA	NA	0.005 U	NA	NA	NA	NA	0.004 U	NA	NA	0.002 U	NA
	cis-1,2-Dichloroethylene	0.4	100	0.4	500	0.3	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	trans-1,2-Dichloroethylene	1	500	1	1000	1	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,2-Dichloropropane	0.1	10	0.1	100	0.1	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,3-Dichloropropane	NS	NS	NS	NS	500	NA	0.002 U	NA	NA	0.002 U	NA	NA	NA	NA	0.001 U	NA	NA	0.001 U	NA
	2,2-Dichloropropane	NS	NS	NS	NS	0.1[2]	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,1-Dichloropropene	NS	NS	NS	NS	0.01[3]	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	cis-1,3-Dichloropropene	0.4[4]	9[4]	0.4[4]	70[4]	0.01[4]	NA	0.002 U	NA	NA	0.002 U	NA	NA	NA	NA	0.001 U	NA	NA	0.001 U	NA
	trans-1,3-Dichloropropene	0.4[4]	9[4]	0.4[4]	70[4]	0.01[4]	NA	0.002 U	NA	NA	0.002 U	NA	NA	NA	NA	0.001 U	NA	NA	0.001 U	NA
	Diethyl Ether	NS	NS	NS	NS	100	NA	0.021 U	NA	NA	0.024 U	NA	NA	NA	NA	0.020 U	NA	NA	0.010 U	NA
	Diisopropyl Ether	NS	NS	NS	NS	100	NA	0.002 U	NA	NA	0.002 U	NA	NA	NA	NA	0.001 U	NA	NA	0.001 U	NA
	1,4-Dioxane	6	70	6	500	0.2	NA	0.11 U	NA	NA	0.12 U	NA	NA	NA	NA	0.10 U	NA	NA	0.049 U	NA
	Ethyl Benzene	500	500	1,000	1,000	40	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	Hexachlorobutadiene	6	6	90	90	6	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	2-Hexanone	NS	NS	NS	NS	100	NA	0.021 U	NA	NA	0.024 U	NA	NA	NA	NA	0.020 U	NA	NA	0.010 U	NA
	Isopropylbenzene	100[1]	100[1]	500[1]	500[1]	1,000	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	p-Isopropyltoluene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	MTBE	100	100	100	500	0.1	NA	0.005 U	NA	NA	0.005 U	NA	NA	NA	NA	0.004 U	NA	NA	0.002 U	NA
	Methylene Chloride	20	200	20	900	0.1	NA	0.021 U	NA	NA	0.024 U	NA	NA	NA	NA	0.020 U	NA	NA	0.010 U	NA
	MIBK	50	400	50	400	0.4	NA	0.021 U	NA	NA	0.024 U	NA	NA	NA	NA	0.020 U	NA	NA	0.010 U	NA
	Naphthalene	40	500	40	1,000	4	NA	0.005 U	NA	NA	0.005 U	NA	NA	NA	NA	0.004 U	NA	NA	0.002 U	NA
	n-Propylbenzene	100[1]	100[1]	500[1]	500[1]	100	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	Styrene	4	30	4	200	3	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,1,1,2-Tetrachloroethane	0.1	7	0.1	100	0.1	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,1,2,2-Tetrachloroethane	0.02	0.8	0.02	10	0.005	NA	0.002 U	NA	NA	0.002 U	NA	NA	NA	NA	0.001 U	NA	NA	0.001 U	NA
	Tetrachloroethylene	10	30	10	200	1	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	Tetrahydrofuran	NS	NS	NS	NS	500	NA	0.011 U	NA	NA	0.012 U	NA	NA	NA	NA	0.010 U	NA	NA	0.005 U	NA
	Toluene	500	500	1,000	1,000	30	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,2,4-Trichlorobenzene	70	500	70	900	2	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA

Table 3
Summary of Analytical Results for Soil Samples - January 2009
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-01			TRC-10				TRC-17				TRC-23		
						Sample Depth (ft.):	1	5	8	1	4	9	12	1	1	5	7	1	8	12
						Sample Date:	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/22/2009	1/22/2009	1/22/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*									Field Dup					
	1,1,1-Trichloroethane	500	500	600	1,000	30	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,1,2-Trichloroethane	2	4	2	60	0.1	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	Trichloroethylene	2	90	2	700	0.3	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	Trichlorofluoromethane	NS	NS	NS	NS	1,000	NA	0.011 U	NA	NA	0.012 U	NA	NA	NA	NA	0.010 U	NA	NA	0.005 U	NA
	1,2,3-Trichloropropane	NS	NS	NS	NS	100	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,2,4-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	1,3,5-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	10	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
	Vinyl Chloride	0.6	0.6	0.7	4	0.6	NA	0.011 U	NA	NA	0.012 U	NA	NA	NA	NA	0.010 U	NA	NA	0.005 U	NA
	m + p Xylene	300	500	300	1000	300	NA	0.005 U	NA	NA	0.005 U	NA	NA	NA	NA	0.004 U	NA	NA	0.002 U	NA
	o-Xylene	300	500	300	1000	300	NA	0.003 U	NA	NA	0.003 U	NA	NA	NA	NA	0.002 U	NA	NA	0.001 U	NA
SVOCs																				
(mg/kg)	Acenaphthene	1,000	1,000	3,000	3,000	4	0.189 U	0.209 U	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**1.95**	0.184 U	0.188 U	0.173 U	0.183 U
	Acenaphthylene	600	10	600	10	1	0.189 U	0.209 U	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	0.42 U	0.184 U	0.188 U	0.173 U	0.183 U
	Acetophenone	NS	NS	NS	NS	1,000	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Aniline	NS	NS	NS	NS	1,000	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Anthracene	1,000	1,000	3,000	3,000	1,000	0.189 U	**0.583**	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**2.49**	0.184 U	0.188 U	0.173 U	0.183 U
	Benzo(a)anthracene	7	7	40	40	7	0.189 U	**1.53**	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**4.37**	0.184 U	**0.204**	0.173 U	0.183 U
	Benzo(a)pyrene	2	2	4	4	2	0.189 U	**1.33**	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**3.59**	0.184 U	0.188 U	0.173 U	0.183 U
	Benzo(b)fluoranthene	7	7	40	40	7	0.189 U	**1.40**	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**3.53**	0.184 U	**0.204**	0.173 U	0.183 U
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	0.189 U	**0.773**	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**1.18**	0.184 U	0.188 U	0.173 U	0.183 U
	Benzo(k)fluoranthene	70	70	400	400	70	0.189 U	**0.583**	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**1.22**	0.184 U	0.188 U	0.173 U	0.183 U
	Bis(2-chloroethoxy)methane	NS	NS	NS	NS	500	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Bis(2-chloroethyl)ether	0.7	0.7	0.7	3	0.7	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	0.7	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Bis(2-ethylhexyl)phthalate	200	200	700	700	200	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	4-Bromophenyl phenyl ether	0.3^	0.3^	NS	NS	100	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Butylbenzylphthalate	NS	NS	NS	NS	100	NA	0.84 U	NA	NA	0.90 U	NA	NA	NA	NA	1.68 U	NA	NA	0.690 U	NA
	4-Chloroaniline	100	3	100	3	1	NA	0.84 U	NA	NA	0.90 U	NA	NA	NA	NA	1.68 U	NA	NA	0.690 U	NA
	2-Chloronaphthalene	NS	NS	NS	NS	1,000	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	2-Chlorophenol	100	100	100	300	0.7	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Chrysene	70	70	400	400	70	0.189 U	**1.50**	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**4.72**	0.184 U	**0.206**	0.173 U	0.183 U
	Dibenzofuran	10^	10^	NS	NS	100	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	0.189 U	0.209 U	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	0.42 U	0.184 U	0.188 U	0.173 U	0.183 U
	1,2-Dichlorobenzene	30	300	30	300	9	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	1,3-Dichlorobenzene	40	100	40	500	1	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	3,3'-Dichlorobenzidine	1	1	10	10	1	NA	0.21 U	NA	NA	0.23 U	NA	NA	NA	NA	0.42 U	NA	NA	0.180 U	NA
	2,4-Dichlorophenol	60	40	60	40	0.7	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Diethylphthalate	200	300	200	300	10	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	2,4-Dimethylphenol	100	500	100	1,000	0.7	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Dimethylphthalate	50	600	50	600	30	NA	0.84 U	NA	NA	0.90 U	NA	NA	NA	NA	1.68 U	NA	NA	0.690 U	NA
	Di-n-butylphthalate	NS	NS	NS	NS	50	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Di-n-octylphthalate	NS	NS	NS	NS	1,000	NA	0.84 U	NA	NA	0.90 U	NA	NA	NA	NA	1.68 U	NA	NA	0.690 U	NA
	2,4-Dinitrophenol	50	50	50	90	3	NA	0.84 U	NA	NA	0.90 U	NA	NA	NA	NA	1.68 U	NA	NA	0.690 U	NA
	2,4-Dinitrotoluene	2	2	10	10	0.7	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	2,6-Dinitrotoluene	NS	NS	NS	NS	100	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Azobenzene	NS	NS	NS	NS	50	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	0.189 U	**1.99**	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**6.65**	0.184 U	**0.375**	0.173 U	0.183 U
	Fluorene	1,000	1,000	3,000	3,000	1,000	0.189 U	0.209 U	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**1.40**	0.184 U	0.188 U	0.173 U	0.183 U
	Hexachlorobenzene	0.7	0.7	5	5	0.7	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Hexachlorobutadiene	6	6	90	90	6	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Hexachloroethane	3	9	3	100	0.7	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	0.189 U	**0.914**	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**1.39**	0.184 U	0.188 U	0.173 U	0.183 U
	Isophorone	NS	NS	NS	NS	100	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	o-cresol	NS	NS	NS	NS	500	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	m & p-cresol(s)	NS	NS	NS	NS	500	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	2-Methylnaphthalene	80	300	80	500	0.7	0.189 U	0.209 U	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**0.484**	0.184 U	0.188 U	0.173 U	0.183 U
	Naphthalene	40	500	40	1,000	4	0.189 U	0.209 U	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**0.564**	0.184 U	0.188 U	0.173 U	0.183 U
	Nitrobenzene	NS	NS	NS	NS	500	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	2-Nitrophenol	NS	NS	NS	NS	100	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	4-Nitrophenol	NS	NS	NS	NS	100	NA	0.84 U	NA	NA	0.90 U	NA	NA	NA	NA	1.68 U	NA	NA	0.690 U	NA
	Pentachlorophenol	10	10	70	10	3	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Phenanthrene	500	500	1,000	1,000	10	0.189 U	**2.01**	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**14.2**	0.184 U	**0.299**	0.173 U	0.183 U

Table 3
Summary of Analytical Results for Soil Samples - January 2009
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-01			TRC-10				TRC-17				TRC-23		
						Sample Depth (ft.):	1	5	8	1	4	9	12	1	1	5	7	1	8	12
						Sample Date:	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/22/2009	1/22/2009	1/22/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*									Field Dup					
	Phenol	50	20	50	20	1	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	Pyrene	1,000	1,000	3,000	3,000	1,000	0.189 U	**2.49**	0.341 U	0.183 U	0.225 U	0.392 U	NA	0.845 U	0.748 U	**9.66**	0.184 U	**0.293**	0.173 U	0.183 U
	1,2,4-Trichlorobenzene	70	500	70	900	2	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	2,4,5-Trichlorophenol	1,000	600	1,000	600	4	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
	2,4,6-Trichlorophenol	20	20	20	20	0.7	NA	0.42 U	NA	NA	0.45 U	NA	NA	NA	NA	0.84 U	NA	NA	0.350 U	NA
PCBs																				
(mg/kg)	Aroclor 1016	2	2	3	3	2	0.0520 U	0.0566 U	0.163 U	0.0546 U	0.0722 U	0.217 U	NA	0.0631 U	0.0550 U	0.0569 U	0.0549 U	0.0547 U	0.0500 U	0.0565 U
	Aroclor 1221	2	2	3	3	2	0.0520 U	0.0566 U	0.163 U	0.0546 U	0.0722 U	0.217 U	NA	0.0631 U	0.0550 U	0.0569 U	0.0549 U	0.0547 U	0.0500 U	0.0565 U
	Aroclor 1232	2	2	3	3	2	0.0520 U	0.0566 U	0.163 U	0.0546 U	0.0722 U	0.217 U	NA	0.0631 U	0.0550 U	0.0569 U	0.0549 U	0.0547 U	0.0500 U	0.0565 U
	Aroclor 1242	2	2	3	3	2	0.0520 U	0.0566 U	0.163 U	0.0546 U	0.0722 U	0.217 U	NA	0.0631 U	0.0550 U	0.0569 U	0.0549 U	0.0547 U	0.0500 U	0.0565 U
	Aroclor 1248	2	2	3	3	2	0.0520 U	0.0566 U	0.163 U	0.0546 U	0.0722 U	0.217 U	NA	0.0631 U	0.0550 U	0.0569 U	0.0549 U	0.0547 U	0.0500 U	0.0565 U
	Aroclor 1254	2	2	3	3	2	0.0520 U	**0.0834** *	0.163 U	0.0546 U	0.0722 U	0.217 U	NA	0.0631 U	0.0550 U	0.0569 U	0.0549 U	0.0547 U	0.0500 U	0.0565 U
	Aroclor 1260	2	2	3	3	2	0.0520 U	0.0566 U	0.163 U	0.0546 U	0.0722 U	0.217 U	NA	0.0631 U	0.0550 U	0.0569 U	0.0549 U	0.0547 U	0.0500 U	0.0565 U
	Total PCBs	2	2	3	3	2	0.0520 U	**0.0834**	0.163 U	0.0546 U	0.0722 U	0.217 U	NA	0.0631 U	0.0550 U	0.0569 U	0.0549 U	0.0547 U	0.0500 U	0.0565 U
Total Petroleum Hydrocarbons																				
(mg/kg)	Unknown Hydrocarbons	1,000	1,000	3,000	3,000	1,000	NA	**130**	NA	NA	**30.0**	NA	NA	NA	NA	**590**	NA	NA	8.70 U	NA
Metals, total																				
(mg/kg)	Antimony	20	20	30	30	20	4.54 U	**11.8**	8.18 U	4.39 U	5.40 U	9.39 U	4.78 U	5.07 U	4.49 U	5.04 U	4.41 U	4.51 U	4.14 U	4.39 U
	Arsenic	20	20	20	20	20	2.84 U	**10.7**	5.12 U	**2.77**	**24.8**	**6.03**	2.99 U	**3.75**	**3.37**	**12.0**	2.76 U	**2.85**	2.59 U	2.75 U
	Barium	1,000	1,000	3,000	3,000	1,000	**19.0**	**245**	**28.1**	**22.9**	**485**	**77.3**	**18.4**	**75.7**	**69.3**	**239**	**15.1**	**25.1**	**23.2**	**10.3**
	Beryllium	100	100	200	200	100	0.29 U	0.32 U	0.52 U	0.28 U	0.34 U	0.59 U	**0.37**	0.32 U	0.29 U	0.32 U	0.28 U	0.29 U	0.26 U	0.28 U
	Cadmium	2	2	30	30	2	0.29 U	**1.46**	0.52 U	0.28 U	**7.44**	**3.27**	0.30 U	0.32 U	0.29 U	**20.3**	0.28 U	0.29 U	0.26 U	0.28 U
	Chromium	30	30	200	200	30	**7.39**	**18.4**	**13.4**	**8.47**	**40.1**	**25.5**	**11.0**	**29.5**	**26.1**	**15.9**	**6.54**	**12.1**	**11.7**	**3.54**
	Lead	300	300	300	300	300	**45.4**	**38,705**	**6.16**	**3.33**	**1,310**	**405**	**1.92**	**31.8**	**26.2**	**1,230**	**3.55**	**5.59**	**1.04**	0.83 U
	Nickel	20	20	700	700	20	**4.30**	**17.0**	**9.50**	**4.79**	**21.4**	**10.8**	**5.31**	**14.4**	**12.3**	**12.7**	**3.58**	**6.72**	**5.29**	**2.33**
	Selenium	400	400	800	800	400	R	R	R	R	R	R	5.97 U	6.34 U	5.61 U	6.30 U	5.51 U	5.64 U	5.18 U	5.49 U
	Silver	100	100	200	200	100	0.57 U	0.63 U	1.03 U	0.55 U	0.68 U	1.18 U	0.60 U	0.64 U	0.57 U	0.63 U	0.56 U	0.57 U	0.52 U	0.55 U
	Thallium	8	8	60	60	8	3.41 U	3.76 U	6.14 U	3.29 U	4.05 U	7.05 U	3.58 U	3.81 U	3.37 U	3.78 U	3.31 U	3.38 U	3.11 U	3.29 U
	Vanadium	600	600	1,000	1,000	600	**9.93**	**29.4**	**14.2**	**13.1**	**37.7**	**16.1**	**12.3**	**37.2**	**36.6**	**20.1**	5.51 U	**14.5**	**9.52**	5.49 U
	Zinc	2,500	2,500	3,000	3,000	2,500	**28.2**	**361**	**45.4**	**15.9**	**617**	**211**	**15.4**	**40.6**	**36.4**	**16,800**	**30.8**	**19.6**	**15.3**	**8.32**
	Mercury	20	20	30	30	20	**0.015**	**0.119**	0.047 U	0.013 U	**6.99**	0.052 U	0.015 U	**0.032**	**0.019**	**38.0**	0.012 U	**0.023**	0.02 U	0.012 U
Metals,TCLP																				
(mg/L)	Arsenic	NS	NS	NS	NS	5.0**	NA	0.010 U	NA	NA	0.010 U	NA	NA	NA	NA	0.010 U	NA	NA	0.010 U	NA
	Barium	NS	NS	NS	NS	100.0**	NA	**1.51**	NA	NA	**1.48**	NA	NA	NA	NA	**1.11**	NA	NA	**0.13**	NA
	Cadmium	NS	NS	NS	NS	1.0**	NA	**0.011**	NA	NA	**0.057**	NA	NA	NA	NA	**0.020**	NA	NA	0.005 U	NA
	Chromium	NS	NS	NS	NS	5.0**	NA	0.010 U	NA	NA	0.010 U	NA	NA	NA	NA	0.010 U	NA	NA	0.010 U	NA
	Lead	NS	NS	NS	NS	5.0**	NA		NA	NA	**4.64**	**0.076**	0.015 U	NA	NA		NA	NA	**0.017**	NA
	Selenium	NS	NS	NS	NS	1.0**	NA	0.050 U	NA	NA	0.050 U	NA	NA	NA	NA	0.050 U	NA	NA	0.050 U	NA
	Silver	NS	NS	NS	NS	5.0**	NA	0.005 U	NA	NA	0.005 U	NA	NA	NA	NA	0.005 U	NA	NA	0.005 U	NA
	Mercury	NS	NS	NS	NS	0.2**	NA	0.00010 U	NA	NA	0.00010 U	NA	NA	NA	NA	0.00010 U	NA	NA	0.00010 U	NA

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter.
NA - Sample not analyzed for the listed analyte.
NS - No MADEP standards exist for this compound.
R - Rejected data point due to matrix spike recovery <30%.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards.
VOCs - Volatile Organic Compounds.
SVOCs - Semivolatile Organic Compounds.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TCLP - Toxicity Characteristic Leaching Procedure.
(1) - MCP Method 1 standards for C9-C10 aromatics used.
(2) - MCP RC for Dichloropropane used.
(3) - MCP RC for Dichloropropene used.
(4) - MCP Method 1 standards for 1,3-Dichloropropene used.
* - For reference purposes only.
** - SW-846, Chapter 7, Characteristics Introduction and Regulatory Definitions, Table 7-1: Maximum Concentration of Contaminants for Toxicity Characteristic.
^ - TRC developed Method 1 standards.

Table 3
Summary of Analytical Results for Soil Samples - January 2009
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-24			TRC-25			TRC-26			TRC-27			TRC-28			
						Sample Depth (ft.):	1	7	12	1	5	8	1	5	9	1	5	7	1	4.5	4.5	7.5
						Sample Date:	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*															Field Dup	
VOCs (mg/kg)	Acetone	50	400	50	400	6	NA	0.049 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Amylmethyl Ether	NS	NS	NS	NS	NS	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	30	200	200	2	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NS	NS	100	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NS	NS	NS	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	0.1	20	0.1	100	0.1	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	1	200	1	800	0.1	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	0.5	30	0.5	30	0.5	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone (MEK)	50	400	50	400	4	NA	0.020 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylethyl Ether	NS	NS	NS	NS	NS	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon Disulfide	NS	NS	NS	NS	100	NA	0.003 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon Tetrachloride	5	10	5	60	5	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorodibromomethane	0.03	20	0.03	100	0.005	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NS	NS	100	NA	0.010 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	0.3	400	0.3	800	0.3	NA	0.002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NS	NS	100	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorotoluene	NS	NS	NS	NS	100	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorotoluene	NS	NS	NS	NS	100	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromo-3-Chloropropane	NS	NS	NS	NS	10	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.1	0.7	0.1	4	0.1	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	NS	NS	500	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40	100	40	500	1	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NS	NS	1,000	NA	0.010 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	5	500	5	1000	0.4	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	0.1	10	0.1	90	0.1	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethylene	40	500	40	1000	3	NA	0.002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethylene	0.4	100	0.4	500	0.3	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethylene	1	500	1	1000	1	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	0.1	10	0.1	100	0.1	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NS	NS	500	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NS	NS	0.1[2]	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NS	NS	0.01[3]	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	0.4[4]	9[4]	0.4[4]	70[4]	0.01[4]	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	0.4[4]	9[4]	0.4[4]	70[4]	0.01[4]	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethyl Ether	NS	NS	NS	NS	100	NA	0.010 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diisopropyl Ether	NS	NS	NS	NS	100	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	6	70	6	500	0.2	NA	0.049 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl Benzene	500	500	1,000	1,000	40	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NS	NS	100	NA	0.010 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100[1]	100[1]	500[1]	500[1]	1,000	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MTBE	100	100	100	500	0.1	NA	0.002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methylene Chloride	20	200	20	900	0.1	NA	0.010 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MIBK	50	400	50	400	0.4	NA	0.010 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	NA	0.002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100[1]	100[1]	500[1]	500[1]	100	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	4	30	4	200	3	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	0.1	7	0.1	100	0.1	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.02	0.8	0.02	10	0.005	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethylene	10	30	10	200	1	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NS	NS	500	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1,000	1,000	30	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	70	500	70	900	2	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Summary of Analytical Results for Soil Samples - January 2009
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-24			TRC-25			TRC-26			TRC-27			TRC-28			
						Sample Depth (ft.):	1	7	12	1	5	8	1	5	9	1	5	7	1	4.5	4.5	7.5
						Sample Date:	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/26/2009	1/26/2009	1/26/2009 Field Dup	1/26/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*																
	1,1,1-Trichloroethane	500	500	600	1,000	30	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	2	4	2	60	0.1	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethylene	2	90	2	700	0.3	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NS	NS	1,000	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichloropropane	NS	NS	NS	NS	100	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3,5-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	10	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl Chloride	0.6	0.6	0.7	4	0.6	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m + p Xylene	300	500	300	1000	300	NA	0.002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	300	500	300	1000	300	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																						
(mg/kg)	Acenaphthene	1,000	1,000	3,000	3,000	4	0.205 U	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	0.197 U	0.183 U	0.198 U	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	0.205 U	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	0.197 U	0.183 U	0.198 U	NA	NA	NA	NA
	Acetophenone	NS	NS	NS	NS	1,000	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NS	NS	1,000	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	1,000	3,000	3,000	1,000	0.205 U	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	0.197 U	0.183 U	0.198 U	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	0.205 U	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	**0.331**	0.183 U	0.198 U	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	0.205 U	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	**0.279**	0.183 U	0.198 U	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	0.205 U	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	**0.313**	0.183 U	0.198 U	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	0.205 U	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	**0.225**	0.183 U	0.198 U	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	0.205 U	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	0.197 U	0.183 U	0.198 U	NA	NA	NA	NA
	Bis(2-chloroethoxy)methane	NS	NS	NS	NS	500	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bis(2-chloroethyl)ether	0.7	0.7	0.7	3	0.7	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	0.7	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bis(2-ethylhexyl)phthalate	200	200	700	700	200	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl phenyl ether	0.3^	0.3^	NS	NS	100	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butylbenzylphthalate	NS	NS	NS	NS	100	NA	0.720 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	100	3	100	3	1	NA	0.720 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NS	NS	1,000	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	100	100	300	0.7	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	0.205 U	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	**0.358**	0.183 U	0.198 U	NA	NA	NA	NA
	Dibenzofuran	10^	10^	NS	NS	100	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	0.205 U	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	0.197 U	0.183 U	0.198 U	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40	100	40	500	1	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3'-Dichlorobenzidine	1	1	10	10	1	NA	0.180 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	60	40	60	40	0.7	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethylphthalate	200	300	200	300	10	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	100	500	100	1,000	0.7	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dimethylphthalate	50	600	50	600	30	NA	0.720 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-butylphthalate	NS	NS	NS	NS	50	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octylphthalate	NS	NS	NS	NS	1,000	NA	0.720 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	50	50	90	3	NA	0.720 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	2	10	10	0.7	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,6-Dinitrotoluene	NS	NS	NS	NS	100	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NS	NS	50	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	**0.421**	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	**0.685**	0.183 U	0.198 U	NA	NA	NA	NA
	Fluorene	1,000	1,000	3,000	3,000	1,000	0.205 U	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	0.197 U	0.183 U	0.198 U	NA	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	5	5	0.7	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	3	9	3	100	0.7	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	0.205 U	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	**0.237**	0.183 U	0.198 U	NA	NA	NA	NA
	Isophorone	NS	NS	NS	NS	100	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-cresol	NS	NS	NS	NS	500	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-cresol(s)	NS	NS	NS	NS	500	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	0.205 U	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	0.197 U	0.183 U	0.198 U	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	0.205 U	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	0.197 U	0.183 U	0.198 U	NA	NA	NA	NA
	Nitrobenzene	NS	NS	NS	NS	500	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NS	NS	100	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NS	NS	100	NA	0.720 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	70	10	3	NA	0.36 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1,000	1,000	10	**0.226**	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	**0.662**	0.183 U	0.198 U	NA	NA	NA	NA

Table 3
Summary of Analytical Results for Soil Samples - January 2009
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-24			TRC-25			TRC-26			TRC-27			TRC-28			
						Sample Depth (ft.):	1	7	12	1	5	8	1	5	9	1	5	7	1	4.5	4.5	7.5
						Sample Date:	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/26/2009	1/26/2009	1/26/2009 Field Dup	1/26/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*																
	Phenol	50	20	50	20	1	NA	0.360 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	1,000	3,000	3,000	1,000	**0.290**	0.180 U	0.180 U	0.368 U	0.268 U	0.179 U	0.190 U	0.180 U	0.183 U	**0.676**	0.183 U	0.198 U	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	70	500	70	900	2	NA	0.360 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	1,000	600	1,000	600	4	NA	0.360 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,6-Trichlorophenol	20	20	20	20	0.7	NA	0.360 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																						
(mg/kg)	Aroclor 1016	2	2	3	3	2	0.0607 U	0.0534 U	0.0528 U	0.0511 U	0.0695 U	0.0513 U	0.0502 U	0.0504 U	0.0540 U	0.0579 U	0.0544 U	0.0603 U	NA	NA	NA	NA
	Aroclor 1221	2	2	3	3	2	0.0607 U	0.0534 U	0.0528 U	0.0511 U	0.0695 U	0.0513 U	0.0502 U	0.0504 U	0.0540 U	0.0579 U	0.0544 U	0.0603 U	NA	NA	NA	NA
	Aroclor 1232	2	2	3	3	2	0.0607 U	0.0534 U	0.0528 U	0.0511 U	0.0695 U	0.0513 U	0.0502 U	0.0504 U	0.0540 U	0.0579 U	0.0544 U	0.0603 U	NA	NA	NA	NA
	Aroclor 1242	2	2	3	3	2	0.0607 U	0.0534 U	0.0528 U	0.0511 U	0.0695 U	0.0513 U	0.0502 U	0.0504 U	0.0540 U	0.0579 U	0.0544 U	0.0603 U	NA	NA	NA	NA
	Aroclor 1248	2	2	3	3	2	0.0607 U	0.0534 U	0.0528 U	0.0511 U	0.0695 U	0.0513 U	0.0502 U	0.0504 U	0.0540 U	0.0579 U	0.0544 U	0.0603 U	NA	NA	NA	NA
	Aroclor 1254	2	2	3	3	2	0.0607 U	0.0534 U	0.0528 U	0.0511 U	0.0695 U	0.0513 U	0.0502 U	0.0504 U	0.0540 U	0.0579 U	0.0544 U	0.0603 U	NA	NA	NA	NA
	Aroclor 1260	2	2	3	3	2	**0.0892** *	0.0534 U	0.0528 U	0.0511 U	0.0695 U	0.0513 U	0.0502 U	0.0504 U	0.0540 U	0.0579 U	0.0544 U	0.0603 U	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	**0.0892**	0.0534 U	0.0528 U	0.0511 U	0.0695 U	0.0513 U	0.0502 U	0.0504 U	0.0540 U	0.0579 U	0.0544 U	0.0603 U	NA	NA	NA	NA
Total Petroleum Hydrocarbons																						
(mg/kg)	Unknown Hydrocarbons	1,000	1,000	3,000	3,000	1,000	NA	9.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, total																						
(mg/kg)	Antimony	20	20	30	30	20	4.91 U	4.31 U	4.32 U	4.41 U	6.43 U	4.28 U	4.55 U	4.32 U	4.38 U	4.72 U	4.39 U	4.75 U	4.38 U	5.52 U	5.48 U	5.48 U
	Arsenic	20	20	20	20	20	**4.05**	2.69 U	2.70 U	**2.93**	**8.29**	2.68 U	**4.71**	2.70 U	2.74 U	**7.12**	**3.67**	**4.00**	2.74 U	**17.8**	**21.3**	**5.41**
	Barium	1,000	1,000	3,000	3,000	1,000	**46.8**	**10.8**	**10.6**	**126**	**35.9**	**21.8**	**18.5**	**30.2**	**36.7**	**20.1**	**19.7**	**14.6**	**32.3**	**399**	**482**	**37.2**
	Beryllium	100	100	200	200	100	0.31 U	0.27 U	0.27 U	0.28 U	0.41 U	0.27 U	0.29 U	0.27 U	0.28 U	0.30 U	0.28 U	0.30 U	0.28 U	**1.10**	**1.05**	0.35 U
	Cadmium	2	2	30	30	2	**0.58**	0.27 U	0.27 U	**0.28**	0.41 U	0.27 U	0.29 U	0.27 U	0.28 U	**0.38**	0.28 U	0.30 U	0.28 U	**0.83**	**1.01**	0.35 U
	Chromium	30	30	200	200	30	**11.9**	**4.90**	**2.16**	**116**	**27.0**	**18.4**	**8.07**	**11.6**	**9.75**	**7.89**	**12.2**	**10.5**	**12.1**	**15.3**	**18.2**	**8.42**
	Lead	300	300	300	300	300	**89.8**	**1.28**	0.81 U	**15.3**	**18.4**	0.81 U	**15.3**	**0.98**	**0.94**	**16.1**	**7.24**	**2.75**	**3.93**	**719**	**920**	**6.41**
	Nickel	20	20	700	700	20	**6.52**	**2.76**	**1.60**	**49.0**	**8.67**	**8.44**	**4.17**	**6.93**	**6.25**	**4.78**	**6.23**	**2.44**	**5.36**	**15.2**	**16.7**	**4.56**
	Selenium	400	400	800	800	400	6.13 U	5.38 U	5.40 U	5.51 U	8.03 U	5.35 U	5.68 U	5.40 U	5.47 U	5.89 U	5.48 U	5.94 U	5.47 U	6.90 U	6.85 U	6.84 U
	Silver	100	100	200	200	100	0.62 U	0.54 U	0.54 U	0.56 U	0.81 U	0.54 U	0.57 U	0.54 U	0.55 U	0.59 U	0.55 U	0.60 U	0.55 U	0.69 U	0.69 U	0.69 U
	Thallium	8	8	60	60	8	3.68 U	3.23 U	3.24 U	3.31 U	4.82 U	3.21 U	3.41 U	3.24 U	3.28 U	3.54 U	3.29 U	3.56 U	3.28 U	4.14 U	4.11 U	4.11 U
	Vanadium	600	600	1,000	1,000	600	**15.3**	**6.07**	5.40 U	**46.4**	**24.3**	**17.8**	**10.3**	**12.4**	**13.8**	**9.13**	**15.8**	**17.8**	**12.6**	**39.0**	**39.6**	**12.4**
	Zinc	2,500	2,500	3,000	3,000	2,500	**78.6**	**10.6**	**8.87**	**47.4**	**30.9**	**26.4**	**21.7**	**18.2**	**20.5**	**19.0**	**21.7**	**11.4**	**16.6**	**266**	**338**	**64.8**
	Mercury	20	20	30	30	20	**0.072**	0.018 U	0.012 U	0.012 U	**0.066**	0.019 U	**0.027**	0.017 U	0.015 U	**0.039**	**0.031**	**0.028**	0.011 U	**0.193**	**0.290**	0.012 U
Metals,TCLP																						
(mg/L)	Arsenic	NS	NS	NS	NS	5.0**	NA	0.010 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.010 U	0.010 U	0.010 U	0.010 U
	Barium	NS	NS	NS	NS	100.0**	NA	**0.110**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.230**	**1.07**	**1.18**	**0.170**
	Cadmium	NS	NS	NS	NS	1.0**	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U
	Chromium	NS	NS	NS	NS	5.0**	NA	0.010 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.050**	0.010 U	0.010 U	0.010 U
	Lead	NS	NS	NS	NS	5.0**	NA	0.015 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.015 U	**0.195**	**0.299**	0.015 U
	Selenium	NS	NS	NS	NS	1.0**	NA	0.050 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.050 U	0.050 U	0.050 U	0.050 U
	Silver	NS	NS	NS	NS	5.0**	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U
	Mercury	NS	NS	NS	NS	0.2**	NA	0.00010 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00010 U	0.00010 U	0.00010 U	0.00010 U

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter.
NA - Sample not analyzed for the listed analyte.
NS - No MADEP standards exist for this compound.
R - Rejected data point due to matrix spike recovery <30%.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards.
VOCs - Volatile Organic Compounds.
SVOCs - Semivolatile Organic Compounds.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TCLP - Toxicity Characteristic Leaching Procedure.
(1) - MCP Method 1 standards for C9-C10 aromatics used.
(2) - MCP RC for Dichloropropane used.
(3) - MCP RC for Dichloropropene used.
(4) - MCP Method 1 standards for 1,3-Dichloropropene used.
* - For reference purposes only.
** - SW-846, Chapter 7, Characteristics Introduction and Regulatory Definitions, Table 7-1: Maximum Concentration of Contaminants for Toxicity Characteristic.
^ - TRC developed Method 1 standards.

Table 3
Summary of Analytical Results for Soil Samples - January 2009
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-29			TRC-37			TRC-39					TRC-41		
						Sample Depth (ft.):	1	5	8	1	4-5	7	1	1	4-5	8	12	1	5	9
						Sample Date:	1/26/2009	1/26/2009	1/26/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/26/2009	1/26/2009	1/26/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*								Field Dup						
VOCs (mg/kg)	Acetone	50	400	50	400	6	NA	NA	NA	NA	0.089 U	NA	NA	NA	0.094 U	NA	NA	NA	0.13 U	NA
	tert-Amylmethyl Ether	NS	NS	NS	NS	NS	NA	NA	NA	NA	0.001 U	NA	NA	NA	0.001 U	NA	NA	NA	0.002 U	NA
	Benzene	30	30	200	200	2	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	Bromobenzene	NS	NS	NS	NS	100	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	Bromochloromethane	NS	NS	NS	NS	NS	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	Bromodichloromethane	0.1	20	0.1	100	0.1	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	Bromoform	1	200	1	800	0.1	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	Bromomethane	0.5	30	0.5	30	0.5	NA	NA	NA	NA	0.009 U	NA	NA	NA	0.010 U	NA	NA	NA	0.013 U	NA
	2-Butanone (MEK)	50	400	50	400	4	NA	NA	NA	NA	0.036 U	NA	NA	NA	0.038 U	NA	NA	NA	0.050 U	NA
	n-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	sec-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	tert-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	tert-Butylethyl Ether	NS	NS	NS	NS	NS	NA	NA	NA	NA	0.001 U	NA	NA	NA	0.001 U	NA	NA	NA	0.002 U	NA
	Carbon Disulfide	NS	NS	NS	NS	100	NA	NA	NA	NA	0.006 U	NA	NA	NA	0.006 U	NA	NA	NA	0.008 U	NA
	Carbon Tetrachloride	5	10	5	60	5	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	Chlorobenzene	3	100	3	100	1	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	Chlorodibromomethane	0.03	20	0.03	100	0.005	NA	NA	NA	NA	0.001 U	NA	NA	NA	0.001 U	NA	NA	NA	0.002 U	NA
	Chloroethane	NS	NS	NS	NS	100	NA	NA	NA	NA	0.018 U	NA	NA	NA	0.019 U	NA	NA	NA	0.025 U	NA
	Chloroform	0.3	400	0.3	800	0.3	NA	NA	NA	NA	0.004 U	NA	NA	NA	0.004 U	NA	NA	NA	0.005 U	NA
	Chloromethane	NS	NS	NS	NS	100	NA	NA	NA	NA	0.009 U	NA	NA	NA	0.010 U	NA	NA	NA	0.013 U	NA
	2-Chlorotoluene	NS	NS	NS	NS	100	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	4-Chlorotoluene	NS	NS	NS	NS	100	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,2-Dibromo-3-Chloropropane	NS	NS	NS	NS	10	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,2-Dibromoethane	0.1	0.7	0.1	4	0.1	NA	NA	NA	NA	0.001 U	NA	NA	NA	0.001 U	NA	NA	NA	0.002 U	NA
	Dibromomethane	NS	NS	NS	NS	500	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,2-Dichlorobenzene	30	300	30	300	9	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,3-Dichlorobenzene	40	100	40	500	1	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	Dichlorodifluoromethane	NS	NS	NS	NS	1,000	NA	NA	NA	NA	0.018 U	NA	NA	NA	0.019 U	NA	NA	NA	0.025 U	NA
	1,1-Dichloroethane	5	500	5	1000	0.4	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,2-Dichloroethane	0.1	10	0.1	90	0.1	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,1-Dichloroethylene	40	500	40	1000	3	NA	NA	NA	NA	0.004 U	NA	NA	NA	0.004 U	NA	NA	NA	0.005 U	NA
	cis-1,2-Dichloroethylene	0.4	100	0.4	500	0.3	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	trans-1,2-Dichloroethylene	1	500	1	1000	1	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,2-Dichloropropane	0.1	10	0.1	100	0.1	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,3-Dichloropropane	NS	NS	NS	NS	500	NA	NA	NA	NA	0.001 U	NA	NA	NA	0.001 U	NA	NA	NA	0.002 U	NA
	2,2-Dichloropropane	NS	NS	NS	NS	0.1[2]	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,1-Dichloropropene	NS	NS	NS	NS	0.01[3]	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	cis-1,3-Dichloropropene	0.4[4]	9[4]	0.4[4]	70[4]	0.01[4]	NA	NA	NA	NA	0.001 U	NA	NA	NA	0.001 U	NA	NA	NA	0.002 U	NA
	trans-1,3-Dichloropropene	0.4[4]	9[4]	0.4[4]	70[4]	0.01[4]	NA	NA	NA	NA	0.001 U	NA	NA	NA	0.001 U	NA	NA	NA	0.002 U	NA
	Diethyl Ether	NS	NS	NS	NS	100	NA	NA	NA	NA	0.018 U	NA	NA	NA	0.019 U	NA	NA	NA	0.025 U	NA
	Diisopropyl Ether	NS	NS	NS	NS	100	NA	NA	NA	NA	0.001 U	NA	NA	NA	0.001 U	NA	NA	NA	0.002 U	NA
	1,4-Dioxane	6	70	6	500	0.2	NA	NA	NA	NA	0.089 U	NA	NA	NA	0.094 U	NA	NA	NA	0.13 U	NA
	Ethyl Benzene	500	500	1,000	1,000	40	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	Hexachlorobutadiene	6	6	90	90	6	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	2-Hexanone	NS	NS	NS	NS	100	NA	NA	NA	NA	0.018 U	NA	NA	NA	0.019 U	NA	NA	NA	0.025 U	NA
	Isopropylbenzene	100[1]	100[1]	500[1]	500[1]	1,000	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	p-Isopropyltoluene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	MTBE	100	100	100	500	0.1	NA	NA	NA	NA	0.004 U	NA	NA	NA	0.004 U	NA	NA	NA	0.005 U	NA
	Methylene Chloride	20	200	20	900	0.1	NA	NA	NA	NA	0.018 U	NA	NA	NA	0.019 U	NA	NA	NA	0.025 U	NA
	MIBK	50	400	50	400	0.4	NA	NA	NA	NA	0.018 U	NA	NA	NA	0.019 U	NA	NA	NA	0.025 U	NA
	Naphthalene	40	500	40	1,000	4	NA	NA	NA	NA	0.004 U	NA	NA	NA	0.004 U	NA	NA	NA	0.005 U	NA
	n-Propylbenzene	100[1]	100[1]	500[1]	500[1]	100	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	Styrene	4	30	4	200	3	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,1,1,2-Tetrachloroethane	0.1	7	0.1	100	0.1	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,1,2,2-Tetrachloroethane	0.02	0.8	0.02	10	0.005	NA	NA	NA	NA	0.001 U	NA	NA	NA	0.001 U	NA	NA	NA	0.002 U	NA
	Tetrachloroethylene	10	30	10	200	1	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	Tetrahydrofuran	NS	NS	NS	NS	500	NA	NA	NA	NA	0.009 U	NA	NA	NA	0.010 U	NA	NA	NA	0.013 U	NA
	Toluene	500	500	1,000	1,000	30	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,2,4-Trichlorobenzene	70	500	70	900	2	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA

Table 3
Summary of Analytical Results for Soil Samples - January 2009
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-29			TRC-37			TRC-39					TRC-41		
						Sample Depth (ft.):	1	5	8	1	4-5	7	1	1	4-5	8	12	1	5	9
						Sample Date:	1/26/2009	1/26/2009	1/26/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/26/2009	1/26/2009	1/26/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*								Field Dup						
	1,1,1-Trichloroethane	500	500	600	1,000	30	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,1,2-Trichloroethane	2	4	2	60	0.1	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	Trichloroethylene	2	90	2	700	0.3	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	Trichlorofluoromethane	NS	NS	NS	NS	1,000	NA	NA	NA	NA	0.009 U	NA	NA	NA	0.010 U	NA	NA	NA	0.013 U	NA
	1,2,3-Trichloropropane	NS	NS	NS	NS	100	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,2,4-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	1,3,5-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	10	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
	Vinyl Chloride	0.6	0.6	0.7	4	0.6	NA	NA	NA	NA	0.009 U	NA	NA	NA	0.010 U	NA	NA	NA	0.013 U	NA
	m + p Xylene	300	500	300	1000	300	NA	NA	NA	NA	0.004 U	NA	NA	NA	0.004 U	NA	NA	NA	0.005 U	NA
	o-Xylene	300	500	300	1000	300	NA	NA	NA	NA	0.002 U	NA	NA	NA	0.002 U	NA	NA	NA	0.003 U	NA
SVOCs																				
(mg/kg)	Acenaphthene	1,000	1,000	3,000	3,000	4	NA	NA	NA	0.219 U	0.435 U	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	2.18 U	0.202 U	0.182 U
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	0.219 U	0.435 U	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	2.18 U	0.202 U	0.182 U
	Acetophenone	NS	NS	NS	NS	1,000	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Aniline	NS	NS	NS	NS	1,000	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Anthracene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	0.219 U	0.435 U	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	2.18 U	**0.289**	0.182 U
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	0.219 U	**0.686**	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	**2.81**	**1.17**	0.182 U
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	0.219 U	**0.593**	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	**2.54**	**1.08**	0.182 U
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	NA	0.219 U	**0.641**	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	**2.89**	**1.30**	0.182 U
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	0.219 U	0.435 U	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	2.18 U	**0.576**	0.182 U
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	0.219 U	0.435 U	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	2.18 U	**0.502**	0.182 U
	Bis(2-chloroethoxy)methane	NS	NS	NS	NS	500	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Bis(2-chloroethyl)ether	0.7	0.7	0.7	3	0.7	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	0.7	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Bis(2-ethylhexyl)phthalate	200	200	700	700	200	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	4-Bromophenyl phenyl ether	0.3^	0.3^	NS	NS	100	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Butylbenzylphthalate	NS	NS	NS	NS	100	NA	NA	NA	NA	1.74 U	NA	NA	NA	0.85 U	NA	NA	NA	0.81 U	NA
	4-Chloroaniline	100	3	100	3	1	NA	NA	NA	NA	1.74 U	NA	NA	NA	0.85 U	NA	NA	NA	0.81 U	NA
	2-Chloronaphthalene	NS	NS	NS	NS	1,000	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	2-Chlorophenol	100	100	100	300	0.7	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Chrysene	70	70	400	400	70	NA	NA	NA	0.219 U	**0.775**	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	**3.22**	**1.47**	0.182 U
	Dibenzofuran	10^	10^	NS	NS	100	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	0.219 U	0.435 U	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	2.18 U	0.202 U	0.182 U
	1,2-Dichlorobenzene	30	300	30	300	9	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	1,3-Dichlorobenzene	40	100	40	500	1	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	3,3'-Dichlorobenzidine	1	1	10	10	1	NA	NA	NA	NA	0.44 U	NA	NA	NA	0.22 U	NA	NA	NA	0.21 U	NA
	2,4-Dichlorophenol	60	40	60	40	0.7	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Diethylphthalate	200	300	200	300	10	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	2,4-Dimethylphenol	100	500	100	1,000	0.7	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Dimethylphthalate	50	600	50	600	30	NA	NA	NA	NA	1.74 U	NA	NA	NA	0.85 U	NA	NA	NA	0.81 U	NA
	Di-n-butylphthalate	NS	NS	NS	NS	50	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Di-n-octylphthalate	NS	NS	NS	NS	1,000	NA	NA	NA	NA	1.74 U	NA	NA	NA	0.85 U	NA	NA	NA	0.81 U	NA
	2,4-Dinitrophenol	50	50	50	90	3	NA	NA	NA	NA	1.74 U	NA	NA	NA	0.85 U	NA	NA	NA	0.81 U	NA
	2,4-Dinitrotoluene	2	2	10	10	0.7	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	2,6-Dinitrotoluene	NS	NS	NS	NS	100	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Azobenzene	NS	NS	NS	NS	50	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	0.219 U	**1.50**	0.184 U	0.212 U	0.212 U	**0.251**	0.231 U	NA	**5.28**	**2.01**	0.182 U
	Fluorene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	0.219 U	0.435 U	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	2.18 U	0.202 U	0.182 U
	Hexachlorobenzene	0.7	0.7	5	5	0.7	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Hexachlorobutadiene	6	6	90	90	6	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Hexachloroethane	3	9	3	100	0.7	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	NA	NA	0.219 U	0.435 U	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	2.18 U	**0.683**	0.182 U
	Isophorone	NS	NS	NS	NS	100	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	o-cresol	NS	NS	NS	NS	500	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	m & p-cresol(s)	NS	NS	NS	NS	500	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	0.219 U	0.435 U	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	2.18 U	0.202 U	0.182 U
	Naphthalene	40	500	40	1,000	4	NA	NA	NA	0.219 U	0.435 U	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	2.18 U	0.202 U	0.182 U
	Nitrobenzene	NS	NS	NS	NS	500	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	2-Nitrophenol	NS	NS	NS	NS	100	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	4-Nitrophenol	NS	NS	NS	NS	100	NA	NA	NA	NA	1.74 U	NA	NA	NA	0.85 U	NA	NA	NA	0.81 U	NA
	Pentachlorophenol	10	10	70	10	3	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Phenanthrene	500	500	1,000	1,000	10	NA	NA	NA	0.219 U	**1.56**	0.184 U	0.212 U	0.212 U	0.213 U	0.231 U	NA	**6.68**	**1.68**	0.182 U

Table 3
Summary of Analytical Results for Soil Samples - January 2009
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-29			TRC-37			TRC-39					TRC-41		
						Sample Depth (ft.):	1	5	8	1	4-5	7	1	1	4-5	8	12	1	5	9
						Sample Date:	1/26/2009	1/26/2009	1/26/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/26/2009	1/26/2009	1/26/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*								Field Dup						
	Phenol	50	20	50	20	1	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	Pyrene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	0.219 U	**1.70**	0.184 U	0.212 U	0.212 U	**0.345**	0.231 U	NA	**5.32**	**2.21**	0.182 U
	1,2,4-Trichlorobenzene	70	500	70	900	2	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	2,4,5-Trichlorophenol	1,000	600	1,000	600	4	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
	2,4,6-Trichlorophenol	20	20	20	20	0.7	NA	NA	NA	NA	0.87 U	NA	NA	NA	0.43 U	NA	NA	NA	0.41 U	NA
PCBs																				
(mg/kg)	Aroclor 1016	2	2	3	3	2	NA	NA	NA	0.0646 U	0.0658 U	0.0538 U	0.0639 U	0.0605 U	0.0680 U	0.0670 U	NA	0.0584 U	0.0601 U	0.0590 U
	Aroclor 1221	2	2	3	3	2	NA	NA	NA	0.0646 U	0.0658 U	0.0538 U	0.0639 U	0.0605 U	0.0680 U	0.0670 U	NA	0.0584 U	0.0601 U	0.0590 U
	Aroclor 1232	2	2	3	3	2	NA	NA	NA	0.0646 U	0.0658 U	0.0538 U	0.0639 U	0.0605 U	0.0680 U	0.0670 U	NA	0.0584 U	0.0601 U	0.0590 U
	Aroclor 1242	2	2	3	3	2	NA	NA	NA	0.0646 U	0.0658 U	0.0538 U	0.0639 U	0.0605 U	0.0680 U	0.0670 U	NA	0.0584 U	0.0601 U	0.0590 U
	Aroclor 1248	2	2	3	3	2	NA	NA	NA	0.0646 U	0.0658 U	0.0538 U	0.0639 U	0.0605 U	0.0680 U	0.0670 U	NA	0.0584 U	0.0601 U	0.0590 U
	Aroclor 1254	2	2	3	3	2	NA	NA	NA	0.0646 U	0.0658 U	0.0538 U	0.0639 U	0.0605 U	0.0680 U	0.0670 U	NA	**0.711** *	0.0601 U	0.0590 U
	Aroclor 1260	2	2	3	3	2	NA	NA	NA	0.0646 U	0.0658 U	0.0538 U	0.0639 U	0.0605 U	0.0680 U	0.0670 U	NA	**0.463** *	0.0601 U	0.0590 U
	Total PCBs	2	2	3	3	2	NA	NA	NA	0.0646 U	0.0658 U	0.0538 U	0.0639 U	0.0605 U	0.0680 U	0.0670 U	NA	**1.174**	0.0601 U	0.0590 U
Total Petroleum Hydrocarbons																				
(mg/kg)	Unknown Hydrocarbons	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	**55**	NA	NA	NA	**75**	NA	NA	NA	**380**	NA
Metals, total																				
(mg/kg)	Antimony	20	20	30	30	20	4.32 U	**99.1**	4.57 U	5.25 U	5.22 U	4.41 U	5.07 U	5.08 U	5.10 U	5.54 U	4.89 U	5.23 U	4.84 U	4.35 U
	Arsenic	20	20	20	20	20	**3.74**	**39.7**	2.86 U	**5.38**	**19.8**	2.76 U	**7.11**	**5.50**	**17.8**	**9.64**	3.06 U	**7.74**	**13.5**	2.72 U
	Barium	1,000	1,000	3,000	3,000	1,000	**86.8**	**842**	**9.89**	**54.8**	**1290**	**29.9**	**128**	**61.2**	**437**	**523**	**21.4**	**173**	**462**	**11.4**
	Beryllium	100	100	200	200	100	0.27 U	**0.71**	0.29 U	0.33 U	**0.67**	0.28 U	0.32 U	0.32 U	**0.85**	**0.52**	**0.38**	**0.72**	**4.04**	**0.30**
	Cadmium	2	2	30	30	2	0.27 U	**7.53**	0.29 U	0.33 U	**3.60**	0.28 U	**0.98**	**0.46**	**3.32**	**1.05**	0.31 U	**0.93**	**3.59**	0.28 U
	Chromium	30	30	200	200	30	**46.3**	**117**	**4.72**	**13.0**	**126**	**21.0**	**15.0**	**13.1**	**27.8**	**17.8**	**8.37**	**18.6**	**16.2**	**3.10**
	Lead	300	300	300	300	300	**12.0**	**2,940**	**2.70**	**203**	**4,460**	**4.16**	**127**	**94.2**	**1,020**	**14,500**	**6.30**	**594**	**2,000**	**6.90**
	Nickel	20	20	700	700	20	**23.3**	**454**	**1.82**	**4.78**	**15.9**	**9.77**	**9.00**	**6.90**	**72.0**	**10.5**	**5.61**	**12.5**	**15.4**	**3.20**
	Selenium	400	400	800	800	400	5.40 U	7.65 U	5.71 U	6.56 U	6.52 U	5.51 U	6.34 U	6.35 U	6.37 U	6.92 U	6.11 U	6.54 U	6.05 U	5.44 U
	Silver	100	100	200	200	100	0.54 U	0.77 U	0.58 U	0.66 U	0.66 U	0.56 U	0.64 U	0.64 U	**1.44**	0.70 U	0.62 U	0.66 U	0.61 U	0.55 U
	Thallium	8	8	60	60	8	3.24 U	4.59 U	3.43 U	3.94 U	3.92 U	3.31 U	3.81 U	3.81 U	3.83 U	4.15 U	3.67 U	3.93 U	3.63 U	3.27 U
	Vanadium	600	600	1,000	1,000	600	**53.7**	**34.6**	5.71 U	**22.8**	**34.8**	**13.0**	**21.4**	**19.0**	**25.9**	**24.8**	**12.5**	**25.2**	**22.7**	**5.46**
	Zinc	2,500	2,500	3,000	3,000	2,500	**37.4**	**2,220**	**18.3**	**46.6**	**1,050**	**56.3**	**240**	**104**	**1,140**	**379**	**23.7**	**181**	**617**	**22.6**
	Mercury	20	20	30	30	20	0.016 U	**0.844**	0.012 U	**0.114**	**0.501**	0.017 U	**0.087**	**0.085**	**1.49**	**0.095**	0.020 U	**0.141**	**1.52**	0.026 U
Metals,TCLP																				
(mg/L)	Arsenic	NS	NS	NS	NS	5.0**	0.010 U	0.010 U	0.010 U	NA	0.010 U	NA	NA	NA	0.010 U	NA	0.010 U	NA	0.010 U	NA
	Barium	NS	NS	NS	NS	100.0**	**0.290**	**1.34**	**0.12**	NA	**2.46**	NA	NA	NA	**1.61**	NA	**0.18**	NA	**0.60**	NA
	Cadmium	NS	NS	NS	NS	1.0**	0.005 U	**0.023**	0.005 U	NA	**0.100**	NA	NA	NA	**0.025**	NA	0.005 U	NA	**0.009**	NA
	Chromium	NS	NS	NS	NS	5.0**	0.010 U	0.010 U	0.010 U	NA	0.010 U	NA	NA	NA	0.010 U	NA	0.010 U	NA	0.010 U	NA
	Lead	NS	NS	NS	NS	5.0**	0.015 U	**1.00**	0.015 U	NA		NA	NA	NA	**3.06**	**1.74**	0.015 U	NA	**0.721**	NA
	Selenium	NS	NS	NS	NS	1.0**	0.050 U	0.050 U	0.050 U	NA	0.050 U	NA	NA	NA	0.050 U	NA	0.050 U	NA	0.050 U	NA
	Silver	NS	NS	NS	NS	5.0**	0.005 U	0.005 U	0.005 U	NA	0.005 U	NA	NA	NA	0.005 U	NA	0.005 U	NA	0.005 U	NA
	Mercury	NS	NS	NS	NS	0.2**	0.00010 U	0.00010 U	0.00010 U	NA	0.00010 U	NA	NA	NA	0.00010 U	NA	0.00010 U	NA	0.00010 U	NA

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter.
NA - Sample not analyzed for the listed analyte.
NS - No MADEP standards exist for this compound.
R - Rejected data point due to matrix spike recovery <30%.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards.
VOCs - Volatile Organic Compounds.
SVOCs - Semivolatile Organic Compounds.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TCLP - Toxicity Characteristic Leaching Procedure.
(1) - MCP Method 1 standards for C9-C10 aromatics used.
(2) - MCP RC for Dichloropropane used.
(3) - MCP RC for Dichloropropene used.
(4) - MCP Method 1 standards for 1,3-Dichloropropene used.
* - For reference purposes only.
** - SW-846, Chapter 7, Characteristics Introduction and Regulatory Definitions, Table 7-1:
Maximum Concentration of Contaminants for Toxicity Characteristic.
^ - TRC developed Method 1 standards.

Table 3
Summary of Analytical Results for Soil Samples - January 2009
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-43				TRC-47			TRC-48				TRC-49			TRC-50		
						Sample Depth (ft.):	1	4	4	8	1	5	8	1	4	4	8	1	5	8	1	4	7
						Sample Date:	1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*			Field Dup							Field Dup							
VOCs (mg/kg)	Acetone	50	400	50	400	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Amylmethyl Ether	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	30	200	200	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	0.1	20	0.1	100	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	1	200	1	800	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	0.5	30	0.5	30	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone (MEK)	50	400	50	400	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylethyl Ether	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon Disulfide	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon Tetrachloride	5	10	5	60	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorodibromomethane	0.03	20	0.03	100	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	0.3	400	0.3	800	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorotoluene	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorotoluene	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromo-3-Chloropropane	NS	NS	NS	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.1	0.7	0.1	4	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40	100	40	500	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	5	500	5	1000	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	0.1	10	0.1	90	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethylene	40	500	40	1000	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethylene	0.4	100	0.4	500	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethylene	1	500	1	1000	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	0.1	10	0.1	100	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NS	NS	0.1[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NS	NS	0.01[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	0.4[4]	9[4]	0.4[4]	70[4]	0.01[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	0.4[4]	9[4]	0.4[4]	70[4]	0.01[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethyl Ether	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diisopropyl Ether	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	6	70	6	500	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl Benzene	500	500	1,000	1,000	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100[1]	100[1]	500[1]	500[1]	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MTBE	100	100	100	500	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methylene Chloride	20	200	20	900	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MIBK	50	400	50	400	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100[1]	100[1]	500[1]	500[1]	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	4	30	4	200	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	0.1	7	0.1	100	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.02	0.8	0.02	10	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethylene	10	30	10	200	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1,000	1,000	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	70	500	70	900	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Summary of Analytical Results for Soil Samples - January 2009
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-43				TRC-47			TRC-48				TRC-49			TRC-50		
						Sample Depth (ft.):	1	4	4	8	1	5	8	1	4	4	8	1	5	8	1	4	7
						Sample Date:	1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*			Field Dup							Field Dup							
	1,1,1-Trichloroethane	500	500	600	1,000	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	2	4	2	60	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethylene	2	90	2	700	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichloropropane	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3,5-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl Chloride	0.6	0.6	0.7	4	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m + p Xylene	300	500	300	1000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	300	500	300	1000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																							
(mg/kg)	Acenaphthene	1,000	1,000	3,000	3,000	4	1.07 U	0.243 U	0.239 U	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	0.482 U	0.182 U	0.200 U	1.10 U	0.183 U	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	1.07 U	0.243 U	0.239 U	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	0.482 U	0.182 U	0.200 U	1.10 U	0.183 U	NA	NA	NA
	Acetophenone	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	1,000	3,000	3,000	1,000	1.07 U	0.243 U	0.239 U	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	0.482 U	0.182 U	0.200 U	1.10 U	0.183 U	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	1.07 U	0.243 U	**0.805**	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	**2.10**	0.182 U	0.200 U	1.10 U	0.183 U	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	1.07 U	0.243 U	**0.711**	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	**1.93**	0.182 U	0.200 U	1.10 U	0.183 U	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	1.07 U	**0.247**	**0.777**	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	**2.48**	0.182 U	0.200 U	**1.11**	0.183 U	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	1.07 U	0.243 U	**0.262**	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	**1.22**	0.182 U	0.200 U	1.10 U	0.183 U	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	1.07 U	0.243 U	**0.329**	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	**1.01**	0.182 U	0.200 U	1.10 U	0.183 U	NA	NA	NA
	Bis(2-chloroethoxy)methane	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bis(2-chloroethyl)ether	0.7	0.7	0.7	3	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bis(2-ethylhexyl)phthalate	200	200	700	700	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl phenyl ether	0.3^	0.3^	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butylbenzylphthalate	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	100	3	100	3	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	100	100	300	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	1.07 U	**0.252**	**0.845**	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	**2.29**	0.182 U	0.200 U	**1.18**	0.183 U	NA	NA	NA
	Dibenzofuran	10^	10^	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	1.07 U	0.243 U	0.239 U	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	0.482 U	0.182 U	0.200 U	1.10 U	0.183 U	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40	100	40	500	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3'-Dichlorobenzidine	1	1	10	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	60	40	60	40	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethylphthalate	200	300	200	300	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	100	500	100	1,000	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dimethylphthalate	50	600	50	600	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-butylphthalate	NS	NS	NS	NS	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octylphthalate	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	50	50	90	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	2	10	10	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,6-Dinitrotoluene	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NS	NS	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	1.07 U	**0.279**	**0.889**	0.188 U	**0.287**	7.03 U	0.195 U	0.229 U	2.24 U	**5.24**	0.182 U	0.200 U	**2.00**	0.183 U	NA	NA	NA
	Fluorene	1,000	1,000	3,000	3,000	1,000	1.07 U	0.243 U	0.239 U	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	0.482 U	0.182 U	0.200 U	1.10 U	0.183 U	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	5	5	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	3	9	3	100	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	1.07 U	0.243 U	**0.342**	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	**1.74**	0.182 U	0.200 U	1.10 U	0.183 U	NA	NA	NA
	Isophorone	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-cresol	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-cresol(s)	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	1.07 U	0.243 U	0.239 U	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	0.482 U	0.182 U	0.200 U	1.10 U	0.183 U	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	1.07 U	0.243 U	0.239 U	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	0.482 U	0.182 U	0.200 U	1.10 U	0.183 U	NA	NA	NA
	Nitrobenzene	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	70	10	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1,000	1,000	10	1.07 U	0.243 U	**0.420**	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	**2.19**	0.182 U	0.200 U	**1.99**	0.183 U	NA	NA	NA

Table 3
Summary of Analytical Results for Soil Samples - January 2009
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-43				TRC-47			TRC-48				TRC-49			TRC-50		
						Sample Depth (ft.):	1	4	4	8	1	5	8	1	4	4	8	1	5	8	1	4	7
						Sample Date:	1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*			Field Dup							Field Dup							
	Phenol	50	20	50	20	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	1,000	3,000	3,000	1,000	1.07 U	**0.303**	**0.952**	0.188 U	0.228 U	7.03 U	0.195 U	0.229 U	2.24 U	**5.54**	0.182 U	0.200 U	**2.61**	0.183 U	NA	NA	NA
	1,2,4-Trichlorobenzene	70	500	70	900	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	1,000	600	1,000	600	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,6-Trichlorophenol	20	20	20	20	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																							
(mg/kg)	Aroclor 1016	2	2	3	3	2	0.0617 U	0.0679 U	0.0643 U	0.0540 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1221	2	2	3	3	2	0.0617 U	0.0679 U	0.0643 U	0.0540 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1232	2	2	3	3	2	0.0617 U	0.0679 U	0.0643 U	0.0540 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1242	2	2	3	3	2	0.0617 U	0.0679 U	0.0643 U	0.0540 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1248	2	2	3	3	2	0.0617 U	0.0679 U	0.0643 U	0.0540 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1254	2	2	3	3	2	**0.197** *	0.0679 U	0.0643 U	0.0540 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1260	2	2	3	3	2	0.0617 U	0.0679 U	0.0643 U	0.0540 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	**0.197**	0.0679 U	0.0643 U	0.0540 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																							
(mg/kg)	Unknown Hydrocarbons	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, total																							
(mg/kg)	Antimony	20	20	30	30	20	5.09 U	5.83 U	5.73 U	4.51 U	5.48 U	6.75 U	4.68 U	5.50 U	5.37 U	5.79 U	4.37 U	4.80 U	5.26 U	4.39 U	5.22 U	4.67 U	4.39 U
	Arsenic	20	20	20	20	20	**5.78**	**8.69**	**8.70**	2.82 U	**4.59**	**13.3**	2.93 U	**5.94**	**8.44**	**14.1**	2.73 U	**4.03**	**4.48**	**3.42**	**4.95**	**31.7**	**7.54**
	Barium	1,000	1,000	3,000	3,000	1,000	**60.8**	**326**	**273**	**13.8**	**44.6**	**1,680**	**13.8**	**40.4**	**371**	**423**	**22.3**	**28.3**	**292**	**27.0**	**28.9**	**5,090**	**114**
	Beryllium	100	100	200	200	100	0.32 U	**0.90**	**0.70**	0.29 U	0.35 U	**1.53**	0.30 U	0.35 U	0.34 U	**0.85**	0.28 U	0.30 U	0.33 U	0.28 U	0.33 U	0.30 U	0.28 U
	Cadmium	2	2	30	30	2	0.32 U	**1.26**	**1.07**	0.29 U	0.35 U	**6.49**	0.30 U	0.35 U	**1.32**	**2.59**	0.28 U	0.30 U	**1.44**	0.28 U	0.33 U	**5.25**	**0.38**
	Chromium	30	30	200	200	30	**23.8**	**23.6**	**22.4**	**5.10**	**13.8**	**40.8**	**4.99**	**15.2**	**18.3**	**28.2**	**11.1**	**13.4**	**17.6**	**17.8**	**15.3**	**24.7**	**103**
	Lead	300	300	300	300	300	**75.4**	**801**	**627**	**3.10**	**73.2**	**1,030**	**2.53**	**92.2**	**820**	**1,330**	**3.96**	**43.0**	**840**	**4.02**	**48.5**	**1,360**	**6.39**
	Nickel	20	20	700	700	20	**9.90**	**15.8**	**12.8**	**2.23**	**7.77**	**25.9**	**2.44**	**6.18**	**10.9**	**20.2**	**5.35**	**4.68**	**7.94**	**7.83**	**5.34**	**14.0**	**33.2**
	Selenium	400	400	800	800	400	6.37 U	7.28 U	7.16 U	5.64 U	6.84 U	8.44 U	5.85 U	6.87 U	6.72 U	7.23 U	5.46 U	5.99 U	6.58 U	5.49 U	6.52 U	5.84 U	5.49 U
	Silver	100	100	200	200	100	0.64 U	0.73 U	0.72 U	0.57 U	0.69 U	0.85 U	0.59 U	0.69 U	0.68 U	**1.56**	0.55 U	0.60 U	0.66 U	0.55 U	0.66 U	0.59 U	**0.56**
	Thallium	8	8	60	60	8	3.82 U	4.37 U	4.30 U	3.38 U	4.11 U	5.06 U	3.51 U	4.13 U	4.03 U	4.34 U	3.28 U	3.60 U	3.95 U	3.29 U	3.92 U	3.51 U	3.29 U
	Vanadium	600	600	1,000	1,000	600	**31.7**	**31.9**	**29.8**	5.64 U	**22.0**	**36.7**	5.85 U	**24.7**	**17.5**	**26.2**	**13.1**	**19.1**	**15.7**	**19.5**	**21.5**	**23.1**	**31.0**
	Zinc	2,500	2,500	3,000	3,000	2,500	**55.2**	**551**	**415**	**12.4**	**63.5**	**1830**	**13.0**	**58.3**	**527**	**848**	**31.7**	**31.3**	**294**	**29.2**	**36.0**	**14,100**	**114**
	Mercury	20	20	30	30	20	**0.106**	**0.234**	**0.414**	0.013 U	**0.109**	**0.497**	0.010 U	**0.120**	**0.237**	**0.340**	0.014 U	**0.085**	**0.363**	0.013 U	**0.085**	**0.131**	0.013 U
Metals,TCLP																							
(mg/L)	Arsenic	NS	NS	NS	NS	5.0**	NA	NA	NA	NA	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
	Barium	NS	NS	NS	NS	100.0**	NA	NA	NA	NA	**0.26**	**1.05**	**0.30**	**1.15**	**0.95**	**1.11**	**0.24**	**0.25**	**0.96**	**0.36**	**0.19**	**2.14**	**0.31**
	Cadmium	NS	NS	NS	NS	1.0**	NA	NA	NA	NA	0.005 U	**0.031**	0.005 U	**0.010**	**0.021**	**0.039**	0.005 U	0.005 U	**0.008**	0.005 U	0.005 U	**0.045**	0.005 U
	Chromium	NS	NS	NS	NS	5.0**	NA	NA	NA	NA	0.01 U	0.01 U	**0.01**	0.01 U	0.01 U	0.01 U	0.01 U	**0.02**	0.01 U	**0.01**	0.01 U	0.01 U	0.01 U
	Lead	NS	NS	NS	NS	5.0**	NA	NA	NA	NA	**0.036**	**0.518**	0.015 U	**2.31**	**1.55**	**2.78**	0.015 U	**0.044**	**0.351**	0.015 U	**0.050**	**6.36**	0.015 U
	Selenium	NS	NS	NS	NS	1.0**	NA	NA	NA	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Silver	NS	NS	NS	NS	5.0**	NA	NA	NA	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	**0.018**	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	**0.030**
	Mercury	NS	NS	NS	NS	0.2**	NA	NA	NA	NA	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter.
NA - Sample not analyzed for the listed analyte.
NS - No MADEP standards exist for this compound.
R - Rejected data point due to matrix spike recovery <30%.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards.
VOCs - Volatile Organic Compounds.
SVOCs - Semivolatile Organic Compounds.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TCLP - Toxicity Characteristic Leaching Procedure.
(1) - MCP Method 1 standards for C9-C10 aromatics used.
(2) - MCP RC for Dichloropropane used.
(3) - MCP RC for Dichloropropene used.
(4) - MCP Method 1 standards for 1,3-Dichloropropene used.
* - For reference purposes only.
** - SW-846, Chapter 7, Characteristics Introduction and Regulatory Definitions, Table 7-1:
Maximum Concentration of Contaminants for Toxicity Characteristic.
^ - TRC developed Method 1 standards.

Table 3
Summary of Analytical Results for Soil Samples - January 2009
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-51			TRC-52			TRC-53			TRC-54				TRC-55		
						Sample Depth (ft.):	1	4	7	1	4	7	1	4	6	1	4	4	7	1	3.5	8
						Sample Date:	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*												Field Dup				
VOCs (mg/kg)	Acetone	50	400	50	400	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Amylmethyl Ether	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzene	30	30	200	200	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromobenzene	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromochloromethane	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromodichloromethane	0.1	20	0.1	100	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromoform	1	200	1	800	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bromomethane	0.5	30	0.5	30	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Butanone (MEK)	50	400	50	400	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	sec-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylbenzene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	tert-Butylethyl Ether	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon Disulfide	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Carbon Tetrachloride	5	10	5	60	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorobenzene	3	100	3	100	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chlorodibromomethane	0.03	20	0.03	100	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroethane	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloroform	0.3	400	0.3	800	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chloromethane	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorotoluene	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chlorotoluene	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromo-3-Chloropropane	NS	NS	NS	NS	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dibromoethane	0.1	0.7	0.1	4	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibromomethane	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40	100	40	500	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dichlorodifluoromethane	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethane	5	500	5	1000	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloroethane	0.1	10	0.1	90	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloroethylene	40	500	40	1000	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,2-Dichloroethylene	0.4	100	0.4	500	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,2-Dichloroethylene	1	500	1	1000	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichloropropane	0.1	10	0.1	100	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichloropropane	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,2-Dichloropropane	NS	NS	NS	NS	0.1[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1-Dichloropropene	NS	NS	NS	NS	0.01[2]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	cis-1,3-Dichloropropene	0.4[4]	9[4]	0.4[4]	70[4]	0.01[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	trans-1,3-Dichloropropene	0.4[4]	9[4]	0.4[4]	70[4]	0.01[4]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethyl Ether	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diisopropyl Ether	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dioxane	6	70	6	500	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Ethyl Benzene	500	500	1,000	1,000	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Hexanone	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isopropylbenzene	100[1]	100[1]	500[1]	500[1]	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	p-Isopropyltoluene	100[1]	100[1]	500[1]	500[1]	100[1]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MTBE	100	100	100	500	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Methylene Chloride	20	200	20	900	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MIBK	50	400	50	400	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	n-Propylbenzene	100[1]	100[1]	500[1]	500[1]	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Styrene	4	30	4	200	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,1,2-Tetrachloroethane	0.1	7	0.1	100	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2,2-Tetrachloroethane	0.02	0.8	0.02	10	0.005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrachloroethylene	10	30	10	200	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Tetrahydrofuran	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Toluene	500	500	1,000	1,000	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	70	500	70	900	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-51			TRC-52			TRC-53			TRC-54				TRC-55		
						Sample Depth (ft.):	1	4	7	1	4	7	1	4	6	1	4	4	7	1	3.5	8
						Sample Date:	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*												Field Dup				
	1,1,1-Trichloroethane	500	500	600	1,000	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,1,2-Trichloroethane	2	4	2	60	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichloroethylene	2	90	2	700	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Trichlorofluoromethane	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,3-Trichloropropane	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3,5-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Vinyl Chloride	0.6	0.6	0.7	4	0.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m + p Xylene	300	500	300	1000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-Xylene	300	500	300	1000	300	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SVOCs																						
(mg/kg)	Acenaphthene	1,000	1,000	3,000	3,000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acenaphthylene	600	10	600	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Acetophenone	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aniline	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Anthracene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)anthracene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(a)pyrene	2	2	4	4	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(b)fluoranthene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Benzo(k)fluoranthene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bis(2-chloroethoxy)methane	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bis(2-chloroethyl)ether	0.7	0.7	0.7	3	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Bis(2-ethylhexyl)phthalate	200	200	700	700	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Bromophenyl phenyl ether	0.3^	0.3^	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Butylbenzylphthalate	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Chloroaniline	100	3	100	3	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chloronaphthalene	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Chlorophenol	100	100	100	300	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Chrysene	70	70	400	400	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenzofuran	10^	10^	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dibenz(a,h)anthracene	0.7	0.7	4	4	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2-Dichlorobenzene	30	300	30	300	9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,3-Dichlorobenzene	40	100	40	500	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,4-Dichlorobenzene	4	50	4	300	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3,3'-Dichlorobenzidine	1	1	10	10	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dichlorophenol	60	40	60	40	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Diethylphthalate	200	300	200	300	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dimethylphenol	100	500	100	1,000	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Dimethylphthalate	50	600	50	600	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-butylphthalate	NS	NS	NS	NS	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Di-n-octylphthalate	NS	NS	NS	NS	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrophenol	50	50	50	90	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4-Dinitrotoluene	2	2	10	10	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,6-Dinitrotoluene	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Azobenzene	NS	NS	NS	NS	50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluoranthene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Fluorene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobenzene	0.7	0.7	5	5	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachlorobutadiene	6	6	90	90	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Hexachloroethane	3	9	3	100	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Indeno(1,2,3-cd)pyrene	7	7	40	40	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Isophorone	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	o-cresol	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	m & p-cresol(s)	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Methylnaphthalene	80	300	80	500	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Naphthalene	40	500	40	1,000	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Nitrobenzene	NS	NS	NS	NS	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2-Nitrophenol	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4-Nitrophenol	NS	NS	NS	NS	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pentachlorophenol	10	10	70	10	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Phenanthrene	500	500	1,000	1,000	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3
Summary of Analytical Results for Soil Samples - January 2009
Keith Junior High School
70 Hathaway Boulevard
New Bedford, Massachusetts

Analysis	Analyte					Sample ID:	TRC-51			TRC-52			TRC-53			TRC-54				TRC-55		
						Sample Depth (ft.):	1	4	7	1	4	7	1	4	6	1	4	4	7	1	3.5	8
						Sample Date:	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009	1/29/2009
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	RC S-1*												Field Dup				
	Phenol	50	20	50	20	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Pyrene	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1,2,4-Trichlorobenzene	70	500	70	900	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,5-Trichlorophenol	1,000	600	1,000	600	4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2,4,6-Trichlorophenol	20	20	20	20	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs																						
(mg/kg)	Aroclor 1016	2	2	3	3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1221	2	2	3	3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1232	2	2	3	3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1242	2	2	3	3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1248	2	2	3	3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1254	2	2	3	3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aroclor 1260	2	2	3	3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PCBs	2	2	3	3	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Petroleum Hydrocarbons																						
(mg/kg)	Unknown Hydrocarbons	1,000	1,000	3,000	3,000	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Metals, total																						
(mg/kg)	Antimony	20	20	30	30	20	5.46 U	**94.2**	4.31 U	5.62 U	5.01 U	4.73 U	5.43 U	4.83 U	4.62 U	5.02 U	5.54 U	5.32 U	7.86 U	5.14 U	5.55 U	4.94 U
	Arsenic	20	20	20	20	20	**4.64**	**16.1**	2.70 U	**5.34**	**21.7**	2.96 U	**5.40**	**9.99**	**3.25**	**4.39**	**27.2**	**27.4**	4.92 U	**5.68**	**38.4**	**4.16**
	Barium	1,000	1,000	3,000	3,000	1,000	**62.2**	**302**	**15.3**	**51.4**	**708**	**38.7**	**41.1**	**606**	**18.0**	**47.0**	**749**	**589**	**34.4**	**36.6**	**555**	**32.5**
	Beryllium	100	100	200	200	100	0.35 U	**1.07**	0.27 U	0.36 U	**1.24**	0.30 U	0.34 U	**0.79**	**0.49**	0.32 U	**1.29**	**1.46**	0.50 U	0.33 U	**1.50**	0.31 U
	Cadmium	2	2	30	30	2	**0.62**	**1.38**	0.27 U	**0.39**	**1.21**	0.30 U	0.34 U	**2.01**	0.29 U	**0.39**	**1.29**	**2.65**	0.50 U	0.33 U	**2.26**	0.31 U
	Chromium	30	30	200	200	30	**23.7**	**28.0**	**8.52**	**16.7**	**24.6**	**16.0**	**13.8**	**39.6**	**8.24**	**25.6**	**23.6**	**27.8**	**13.9**	**14.2**	**32.2**	**11.8**
	Lead	300	300	300	300	300	**158**	**668**	**4.86**	**78.9**	**1,110**	**7.27**	**66.6**	**703**	**4.56**	**116**	**1,380**	**989**	**9.27**	**74.5**	**3,140**	**7.61**
	Nickel	20	20	700	700	20	**13.7**	**78.5**	**3.18**	**6.20**	**17.6**	**8.15**	**6.59**	**12.6**	**5.18**	**12.3**	**44.3**	**44.1**	**9.44**	**6.28**	**32.4**	**8.46**
	Selenium	400	400	800	800	400	6.83 U	7.69 U	5.39 U	7.02 U	**6.60**	5.91 U	6.79 U	6.04 U	5.78 U	6.27 U	6.92 U	6.65 U	9.83 U	6.42 U	**7.09**	6.17 U
	Silver	100	100	200	200	100	0.69 U	0.77 U	0.54 U	0.71 U	0.63 U	0.60 U	0.68 U	0.61 U	0.58 U	0.63 U	0.70 U	0.67 U	0.99 U	0.65 U	0.70 U	0.62 U
	Thallium	8	8	60	60	8	4.10 U	4.61 U	3.23 U	4.21 U	3.76 U	3.55 U	4.08 U	3.62 U	3.47 U	3.76 U	4.15 U	3.99 U	5.90 U	3.86 U	4.17 U	3.70 U
	Vanadium	600	600	1,000	1,000	600	**32.7**	**39.7**	**5.95**	**23.9**	**30.5**	**16.9**	**25.2**	**23.4**	**11.2**	**24.7**	**48.9**	**55.2**	**13.4**	**25.3**	**53.6**	**16.4**
	Zinc	2,500	2,500	3,000	3,000	2,500	**97.5**	**695**	**47.0**	**60.2**	**653**	**29.1**	**47.5**	**1240**	**20.2**	**96.8**	**664**	**1000**	**249**	**50.9**	**915**	**32.0**
	Mercury	20	20	30	30	20	**0.128**	**0.070**	**0.024**	**0.126**	**0.077**	0.010 U	**0.089**	**0.286**	0.017 U	**0.061**	**0.198**	**0.237**	0.040 U	**0.108**	**0.387**	0.020 U
Metals,TCLP																						
(mg/L)	Arsenic	NS	NS	NS	NS	5.0**	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
	Barium	NS	NS	NS	NS	100.0**	**0.44**	**0.27**	**0.24**	**0.34**	**1.88**	**0.24**	**0.27**	**1.56**	**0.20**	**0.33**	**0.97**	**0.96**	**0.16**	**0.23**	**1.23**	**0.28**
	Cadmium	NS	NS	NS	NS	1.0**	**0.006**	0.005 U	0.005 U	0.005 U	**0.017**	0.005 U	0.005 U	**0.011**	0.005 U	0.005 U	0.005 U	**0.007**	0.005 U	0.005 U	**0.009**	0.005 U
	Chromium	NS	NS	NS	NS	5.0**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	**0.02**	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
	Lead	NS	NS	NS	NS	5.0**	**0.179**	**0.083**	0.015 U	**0.075**	**1.23**	0.015 U	**0.073**	**0.580**	**0.032**	**0.112**	**0.657**	**0.703**	0.015 U	**0.040**	**4.95**	**0.016**
	Selenium	NS	NS	NS	NS	1.0**	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	Silver	NS	NS	NS	NS	5.0**	0.005 U	0.005 U	0.005 U	**0.006**	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
	Mercury	NS	NS	NS	NS	0.2**	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U	0.00010 U

Notes:
All units in mg/kg unless otherwise specified.
mg/kg - milligrams per kilogram (dry weight) or parts per million (ppm).
mg/L - milligrams per liter.
NA - Sample not analyzed for the listed analyte.
NS - No MADEP standards exist for this compound.
R - Rejected data point due to matrix spike recovery <30%.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
Values shown in Bold and shaded type exceed one or more of the listed Method 1 standards.
VOCs - Volatile Organic Compounds.
SVOCs - Semivolatile Organic Compounds.
PCBs - Polychlorinated Biphenyls.
RC - Reportable Concentration.
TCLP - Toxicity Characteristic Leaching Procedure.
(1) - MCP Method 1 standards for C9-C10 aromatics used.
(2) - MCP RC for Dichloropropane used.
(3) - MCP RC for Dichloropropene used.
(4) - MCP Method 1 standards for 1,3-Dichloropropene used.
* - For reference purposes only.
** - SW-846, Chapter 7, Characteristics Introduction and Regulatory Definitions, Table 7-1: Maximum Concentration of Contaminants for Toxicity Characteristic.
^ - TRC developed Method 1 standards.

Table 4 – Excavation Area Summary

Soil Area	Description	Soil Management Type	Approximate Target Removal Volume (cu.yds.)[1]	Approximate tonnage (based on 1.5 conversion)	Potential Additional Characterization Needs for Off-site Management Facilities
1	Hot Spot Excavation	E	120	180	Pending facility review.
2	Hot Spot Excavation	E	188	282	Pending facility review.
3	Hot Spot Excavation	D	243	365	Pending facility review.
4	Fmr. UST Location	C	137	206	VOCs, SVOCs, TCLP, TPH
5	Hot Spot Excavation	E	195	293	Pending facility review.
6	Tennis Court Cut	A	No contaminant removal targeted	No contaminant removal targeted	Pending facility review of excess requiring off-site management..
7	Athletic Field Cut	A	No contaminant removal targeted	No contaminant removal targeted	Pending facility review of excess requiring off-site management..
8	Hathaway Manhole	B	4	6	Pending facility review.

Notes:

UST – underground storage tank (formerly stored No. 2 heating oil)

TCLP – Toxicity characteristic Leaching Procedure

VOCs – Volatile organic compounds

SVOCs – Semi-volatile Organic Compounds

TPH – Total petroleum hydrocarbons

FMR – Former

[1]In place volume estimate.

Table 5-1
Soil Concentrations Versus Massachusetts Reuse, Recycling and Disposal Criteria - Area 1
Keith Junior High School
New Bedford, Massachusetts

Parameter	Concentration Range[1] (mg/kg)	Reuse		Recycling		
		Lined Landfill	Unlined Landfill	Hot Mix Asphalt	Cold Mix Emulsion	Thermal Processing
		Allowable Contamination Levels for Soil (mg/kg)*		Summary Levels (mg/kg)**		
Total VOCs	ND***	10	4	30 to 1,800		
Total SVOCs	ND, 0.287 to 57.40	100		NONE		
TPHs	590	5,000	2,500	5,000 to 60,000		
Total PCBs	ND***	<2		<2		
Total Arsenic	ND, 3.37 to 13.3	40		30		
Total Cadmium	ND, 1.32 to 20.3	80	30	30	30	11
Total Chromium	4.99 to 40.8	1,000		500		
Total Lead	2.53 to 1,330	2,000	1,000	1,000		
Total Mercury	ND, 0.019 to 38.0	10		10	10	3
TCLP Lead	ND, 0.036 to 11.6 (mg/L)	NONE		NONE		

Notes:

[1]Concentration Range Data Represents samples collected from 1/20/09 through 1/29/09 by TRC. Concentration range based on data from the following borings: TRC-17, TRC-47, TRC-48, and TRC-49.

ND - Not Detected

VOCs - Volatile Organic Compounds

SVOCs - Semi-Volatile Organic Compounds

TPHs - Total Petroleum Hydrocarbons

PCBs - Polychlorinated Biphenyls

TCLP - Toxicity Characteristic Leachate Procedure

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

* - Massachusetts Department of Environmental Protection (MassDEP) Policy # COMM-97-001.

** - MassDEP Interim Policy #WSC-94-400.

*** - All laboratory data below applicable criteria.

Table 5-2
Soil Concentrations Versus Massachusetts Reuse, Recycling and Disposal Criteria - Area 2
Keith Junior High School
New Bedford, Massachusetts

Parameter	Concentration Range[1] (mg/kg)	Reuse		Recycling		
		Lined Landfill	Unlined Landfill	Hot Mix Asphalt	Cold Mix Emulsion	Thermal Processing
		Allowable Contamination Levels for Soil (mg/kg)*		Summary Levels (mg/kg)**		
Total VOCs	ND***	10	4	30 to 1,800		
Total SVOCs	ND, 7.455	100		NONE		
TPHs	55	5,000	2,500	5,000 to 60,000		
Total PCBs	ND***	<2		<2		
Total Arsenic	ND, 4.64 to 31.7	40		30		
Total Cadmium	ND, 0.38 to 5.25	80	30	30	30	11
Total Chromium	8.52 to 126	1,000		500		
Total Lead	4.16 to 4,460	2,000	1,000	1,000		
Total Mercury	ND, 0.024 to 0.501	10		10	10	3
TCLP Lead	ND, 0.05 to 84.4	NONE		NONE		

Notes:

[1]Concentration Range Data Represents samples collected from 1/20/09 through 1/29/09 by TRC. Concentration range based on data from the following borings: TRC-37, TRC-50, TRC-51, and TRC-52.

ND - Not Detected

VOCs - Volatile Organic Compounds

SVOCs - Semi-Volatile Organic Compounds

TPHs - Total Petroleum Hydrocarbons

PCBs - Polychlorinated Biphenyls

TCLP - Toxicity Characteristic Leachate Procedure

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

* - Massachusetts Department of Environmental Protection (MassDEP) Policy # COMM-97-001.

** - MassDEP Interim Policy #WSC-94-400.

*** - All laboratory data below applicable criteria.

Table 5-3
Soil Concentrations Versus Massachusetts Reuse, Recycling and Disposal Criteria - Area 3
Keith Junior High School
New Bedford, Massachusetts

Parameter	Concentration Range[1] (mg/kg)	Reuse		Recycling		
		Lined Landfill	Unlined Landfill	Hot Mix Asphalt	Cold Mix Emulsion	Thermal Processing
		Allowable Contamination Levels for Soil (mg/kg)*		Summary Levels (mg/kg)**		
Total VOCs	ND***	10	4	30 to 1,800		
Total SVOCs	ND, 0.596	100		NONE		
TPHs	75	5,000	2,500	5,000 to 60,000		
Total PCBs	ND***	<2		<2		
Total Arsenic	ND, 3.25 to 38.4	40		30		
Total Cadmium	ND, 0.39 to 3.32	80	30	30	30	11
Total Chromium	2.7 to 39.6	1,000		500		
Total Lead	2.5 to 14,500	2,000	1,000	1,000		
Total Mercury	ND, 0.061 to 1.49	10		10	10	3
TCLP Lead	ND, 0.016 to 4.95	NONE		NONE		

Notes:
[1]Concentration Range Data Represents samples collected from 1/20/09 through 1/29/09 by TRC and historical data collected by others.
Concentration range based on data from the following borings/sample: TP-3, TRC-39, TRC-53, TRC-54, and TRC-55.
ND - Not Detected
VOCs - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
TPHs - Total Petroleum Hydrocarbons
PCBs - Polychlorinated Biphenyls
TCLP - Toxicity Characteristic Leachate Procedure
mg/kg - milligram per kilogram or parts per million (ppm)
* - Massachusetts Department of Environmental Protection (MassDEP) Policy # COMM-97-001.
** - MassDEP Interim Policy #WSC-94-400.
*** - All laboratory data below applicable criteria.

Table 5-4
Soil Concentrations Versus Massachusetts Reuse, Recycling and Disposal Criteria - Area 4
Keith Junior High School
New Bedford, Massachusetts

Parameter	Concentration Range[1] (mg/kg)	Reuse		Recycling		
		Lined Landfill	Unlined Landfill	Hot Mix Asphalt	Cold Mix Emulsion	Thermal Processing
		Allowable Contamination Levels for Soil (mg/kg)*		Summary Levels (mg/kg)**		
Total VOCs	NA	10	4	30 to 1,800		
Total SVOCs	NA	100		NONE		
TPHs	ND, 5.50 to 141.7	5,000	2,500	5,000 to 60,000		
Total PCBs	NA	<2		<2		
Total Arsenic	NA	40		30		
Total Cadmium	NA	80	30	30	30	11
Total Chromium	NA	1,000		500		
Total Lead	2.25 to 39.5	2,000	1,000	1,000		
Total Mercury	NA	10		10	10	3
TCLP Lead	NA	NONE		NONE		

Notes:
[1]Concentration Range Data Represents samples collected on 11/14/2008 by TRC. Concentration range based on data from the following borings: UST-2N, UST-3E, UST-4E, UST-4W, and UST-5C.
ND - Not Detected
VOCs - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
TPHs - Total Petroleum Hydrocarbons based on Extractable Petroleum Hydrocarbon (EPH) analysis
PCBs - Polychlorinated Biphenyls
TCLP - Toxicity Characteristic Leachate Procedure
mg/kg - milligram per kilogram or parts per million (ppm)
* - Massachusetts Department of Environmental Protection (MassDEP) Policy # COMM-97-001.
** - MassDEP Interim Policy #WSC-94-400.
*** - All laboratory data below applicable criteria.
NA - Not analyzed

Table 5-5
Soil Concentrations Versus Massachusetts Reuse, Recycling and Disposal Criteria - Area 5
Keith Junior High School
New Bedford, Massachusetts

Parameter	Concentration Range[1] (mg/kg)	Reuse		Recycling		
		Lined Landfill	Unlined Landfill	Hot Mix Asphalt	Cold Mix Emulsion	Thermal Processing
		Allowable Contamination Levels for Soil (mg/kg)*		Summary Levels (mg/kg)**		
Total VOCs	ND***	10	4	30 to 1,800		
Total SVOCs	ND, 15.1	100		NONE		
TPHs	130	5,000	2,500	5,000 to 60,000		
Total PCBs	ND, 0.0834	<2		<2		
Total Arsenic	ND, 3.74 to 39.7	40		30		
Total Cadmium	ND, 0.83 to 7.53	80	30	30	30	11
Total Chromium	4.72 to 117	1,000		500		
Total Lead	2.70 to 38,705	2,000	1,000	1,000		
Total Mercury	ND, 0.015 to 0.844	10		10	10	3
TCLP Lead	ND, 0.195 to 9.14	NONE		NONE		

Notes:
[1]Concentration Range Data Represents samples collected from 1/20/09 through 1/29/09 by TRC. Concentration range based on data from the following borings: TRC-1, TRC-28, and TRC-29.
ND - Not Detected
VOCs - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
TPHs - Total Petroleum Hydrocarbons
PCBs - Polychlorinated Biphenyls
TCLP - Toxicity Characteristic Leachate Procedure
mg/kg - milligram per kilogram or parts per million (ppm)
* - Massachusetts Department of Environmental Protection (MassDEP) Policy # COMM-97-001.
** - MassDEP Interim Policy #WSC-94-400.
*** - All laboratory data below applicable criteria.

Table 5-6
Soil Concentrations Versus Massachusetts Reuse, Recycling and Disposal Criteria - Area 6
Keith Junior High School
New Bedford, Massachusetts

Parameter	Concentration Range[1] (mg/kg)	Reuse		Recycling		
		Lined Landfill	Unlined Landfill	Hot Mix Asphalt	Cold Mix Emulsion	Thermal Processing
		Allowable Contamination Levels for Soil (mg/kg)*		Summary Levels (mg/kg)**		
VOCs	ND[2]	10	4	30 to 1,800		
SVOCs	NA	100		NONE		
TPHs[3]	ND, 3.89 to 12.3	5,000	2,500	5,000 to 60,000		
Total PCBs	ND, 0.020	<2		<2		
Total Arsenic	ND, 2.93 to 8.29	40		30		
Total Cadmium	ND, 0.28 to 1.56	80	30	30	30	11
Total Chromium	2.6 to 116	1,000		500		
Total Lead	ND, 0.98 to 437	2,000	1,000	1,000		
Total Mercury	ND, 0.027 to 0.278	10		10	10	3
TCLP Lead	NA	NONE		NONE		

Notes:

[1]Concentration Range Data Represents samples collected on 11/14/2008 and from 1/20/09 through 1/29/09 by TRC, as well as historical data collected by others . Concentration range based on data from the following borings/sample points: B-6, B-7, Keith S-2, Keith S-12, SS-2, TP-1, TP-6, TP-8, LEAD-1, LEAD-2, TRC-25, TRC-26, and TRC-27.

[2]Based on Volatile Petroleum Hydrocarbon (VPH) analyses by others.

[3]Based on Extractable Petroleum Hydrocarbon (EPH) analyses by others.

ND - Not Detected
VOCs - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
TPHs - Total Petroleum Hydrocarbons
PCBs - Polychlorinated Biphenyls
TCLP - Toxicity Characteristic Leachate Procedure
mg/kg - milligram per kilogram or parts per million (ppm)
* - Massachusetts Department of Environmental Protection (MassDEP) Policy # COMM-97-001.
** - MassDEP Interim Policy #WSC-94-400.
*** - All laboratory data below applicable criteria.
NA - Not analyzed

Table 5-7
Soil Concentrations Versus Massachusetts Reuse, Recycling and Disposal Criteria - Area 7
Keith Junior High School
New Bedford, Massachusetts

Parameter	Concentration Range[1] (mg/kg)	Reuse		Recycling		
		Lined Landfill	Unlined Landfill	Hot Mix Asphalt	Cold Mix Emulsion	Thermal Processing
		Allowable Contamination Levels for Soil (mg/kg)*		Summary Levels (mg/kg)**		
Total VOCs	ND***	10	4	30 to 1,800		
Total SVOCs	ND, 0.790 to 68.9	100		NONE		
TPHs	ND***	5,000	2,500	5,000 to 60,000		
Total PCBs	ND, 0.0541 to 1.045	<2		<2		
Total Arsenic	ND, 1.68 to 21	40		30		
Total Cadmium	ND, 0.417 to 1.84	80	30	30	30	11
Total Chromium	2.16 to 16	1,000		500		
Total Lead	ND, 1.04 to 283	2,000	1,000	1,000		
Total Mercury	ND, 0.023 to 0.195	10		10	10	3
TCLP Lead	ND, 0.017	NONE		NONE		

Notes:

[1]Concentration Range Data Represents samples collected from 1/20/09 through 1/29/09 plus historical data collected by others. Concentration range based on data from the following borings/sample points: Keith S-5, Keith S-6, Keith S-7, Keith S-8, Keith S-9, Keith S-11, SS-5, SS-6, TP-11, TRC-23, and TRC-24.

ND - Not Detected

VOCs - Volatile Organic Compounds

SVOCs - Semi-Volatile Organic Compounds

TPHs - Total Petroleum Hydrocarbons

PCBs - Polychlorinated Biphenyls

TCLP - Toxicity Characteristic Leachate Procedure

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

* - Massachusetts Department of Environmental Protection (MassDEP) Policy # COMM-97-001.

** - MassDEP Interim Policy #WSC-94-400.

*** - All laboratory data below applicable criteria.

Table 5-8
Soil Concentrations Versus Massachusetts Reuse, Recycling and Disposal Criteria - Area 8
Keith Junior High School
New Bedford, Massachusetts

Parameter	Concentration Range[1] (mg/kg)	Reuse		Recycling		
		Lined Landfill	Unlined Landfill	Hot Mix Asphalt	Cold Mix Emulsion	Thermal Processing
		Allowable Contamination Levels for Soil (mg/kg)*		Summary Levels (mg/kg)**		
Total VOCs	ND***	10	4	30 to 1,800		
Total SVOCs	ND, 12.97 to 25.52	100		NONE		
TPHs	380	5,000	2,500	5,000 to 60,000		
Total PCBs	ND, 1.174	<2		<2		
Total Arsenic	ND, 7.74 to 13.5	40		30		
Total Cadmium	ND, 0.93 to 3.59	80	30	30	30	11
Total Chromium	3.10 to 18.6	1,000		500		
Total Lead	6.90 to 2,000	2,000	1,000	1,000		
Total Mercury	ND, 0.141 to 1.52	10		10	10	3
TCLP Lead	0.721	NONE		NONE		

Notes:
[1]Concentration Range Data Represents samples collected from 1/20/09 through 1/29/09 by TRC. Concentration range based on data from the following boring: TRC-41.
ND - Not Detected
VOCs - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
TPHs - Total Petroleum Hydrocarbons
PCBs - Polychlorinated Biphenyls
TCLP - Toxicity Characteristic Leachate Procedure
mg/kg - milligram per kilogram or parts per million (ppm)
* - Massachusetts Department of Environmental Protection (MassDEP) Policy # COMM-97-001.
** - MassDEP Interim Policy #WSC-94-400.
*** - All laboratory data below applicable criteria.

Table 6
Summary of Analytical Results for Groundwater Samples - January 2009
Keith Junior High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:	TRC-01		TRC-02
		Sample Date:	1/29/2009	1/29/2009	1/29/2009
		GW-3		Field Dup	
SVOCs, dissolved					
(ug/L)	Acenaphthene	6,000	5.00 U	5.00 U	5.00 U
	Acenaphthylene	40	5.00 U	5.00 U	5.00 U
	Acetophenone	NS	10.0 U	10.0 U	10.0 U
	Aniline	NS	5.00 U	5.00 U	5.00 U
	Anthracene	30	6.00 U	6.00 U	6.00 U
	Benzo(a)anthracene	1,000	5.00 U	5.00 U	5.00 U
	Benzo(a)pyrene	500	5.00 U	5.00 U	5.00 U
	Benzo(b)fluoranthene	400	5.00 U	5.00 U	5.00 U
	Benzo(g,h,i)perylene	20	5.00 U	5.00 U	5.00 U
	Benzo(k)fluoranthene	100	5.00 U	5.00 U	5.00 U
	Bis(2-chloroethoxy)methane	NS	10.0 U	10.0 U	10.0 U
	Bis(2-chloroethyl)ether	50,000	10.0 U	10.0 U	10.0 U
	Bis(2-chloroisopropyl)ether	NS	10.0 U	10.0 U	10.0 U
	Bis(2-ethylhexyl)phthalate	50,000	10.0 U	10.0 U	10.0 U
	4-Bromophenyl phenyl ether	NS	10.0 U	10.0 U	10.0 U
	Butylbenzylphthalate	NS	20.0 U	20.0 U	20.0 U
	4-Chloroaniline	300	20.0 U	20.0 U	20.0 U
	2-Chloronaphthalene	NS	10.0 U	10.0 U	10.0 U
	Chrysene	70	5.00 U	5.00 U	5.00 U
	Dibenzofuran	NS	10.0 U	10.0 U	10.0 U
	Dibenz(a,h)anthracene	40	5.40 U	5.40 U	5.40 U
	1,2-Dichlorobenzene	2,000	5.00 U	5.00 U	5.00 U
	1,3-Dichlorobenzene	50,000	5.00 U	5.00 U	5.00 U
	1,4-Dichlorobenzene	8,000	5.00 U	5.00 U	5.00 U
	3,3-Dichlorobenzidine	2,000	10.0 U	10.0 U	10.0 U
	Diethylphthalate	9,000	10.0 U	10.0 U	10.0 U
	Dimethylphthalate	50,000	20.0 U	20.0 U	20.0 U
	Di-n-butylphthalate	NS	10.0 U	10.0 U	10.0 U
	Di-n-octylphthalate	NS	20.0 U	20.0 U	20.0 U
	2,4-Dinitrotoluene	50,000	10.0 U	10.0 U	10.0 U
	2,6-Dinitrotoluene	NS	10.0 U	10.0 U	10.0 U
	Azobenzene	NS	10.0 U	10.0 U	10.0 U
	Fluoranthene	200	5.00 U	5.00 U	5.00 U
	Fluorene	40	5.00 U	5.00 U	5.00 U
	Hexachlorobenzene	6,000	10.0 U	10.0 U	10.0 U
	Hexachlorobutadiene	3,000	10.0 U	10.0 U	10.0 U
	Hexachloroethane	50,000	10.0 U	10.0 U	10.0 U
	Indeno(1,2,3-cd)pyrene	100	5.00 U	5.00 U	5.00 U
	Isophorone	NS	10.0 U	10.0 U	10.0 U
	2-Methylnaphthalene	20,000	5.00 U	5.00 U	5.00 U
	Naphthalene	20,000	5.00 U	5.00 U	5.00 U
	Nitrobenzene	NS	10.0 U	10.0 U	10.0 U
	Phenanthrene	10,000	5.00 U	5.00 U	5.00 U
	Pyrene	20	5.00 U	5.00 U	5.00 U
	1,2,4-Trichlorobenzene	50,000	5.00 U	5.00 U	5.00 U

Table 6
Summary of Analytical Results for Groundwater Samples - January 2009
Keith Junior High School
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:	TRC-01				TRC-02	
		Sample Date:	1/29/2009		1/29/2009		1/29/2009	
		GW-3			Field Dup			
Metals, total								
(ug/L)	Antimony	8,000	40	U	40	U	40	U
	Arsenic	900	5.0	U	**7.0**		5.0	U
	Barium	50,000	**219**		**225**		**184**	
	Beryllium	200	2.0	U	2.0	U	2.0	U
	Cadmium	4	2.5	U	2.5	U	2.5	U
	Chromium	300	5.0	U	5.0	U	5.0	U
	Lead	10	7.5	U	7.5	U	7.5	U
	Nickel	200	5.0	U	5.0	U	5.0	U
	Selenium	100	30	U	30	U	30	U
	Silver	7	3.0	U	**30**		3.0	U
	Thallium	3,000	30	U	30	U	30	U
	Vanadium	4,000	25	U	25	U	25	U
	Zinc	900	**18**		**38**		**174**	
	Mercury	20	0.10	U	0.10	U	0.10	U
Metals, dissolved								
(ug/L)	Antimony	8,000	40	U	40	U	40	U
	Arsenic	900	5.0	U	**7.0**		5.0	U
	Barium	50,000	**217**		**217**		**176**	
	Beryllium	200	2.0	U	2.0	U	2.0	U
	Cadmium	4	2.5	U	2.5	U	2.5	U
	Chromium	300	5.0	U	5.0	U	5.0	U
	Lead	10	7.5	U	7.5	U	7.5	U
	Nickel	200	5.0	U	5.0	U	5.0	U
	Selenium	100	30	U	30	U	30	U
	Silver	7	3.0	U	**28**		3.0	U
	Thallium	3,000	30	U	30	U	30	U
	Vanadium	4,000	25	U	25	U	25	U
	Zinc	900	**22**		**20**		**174**	
	Mercury	20	0.10	U	0.10	U	0.10	U

Notes:

All units in ug/L unless otherwise specified.

ug/L - micrograms per liter.

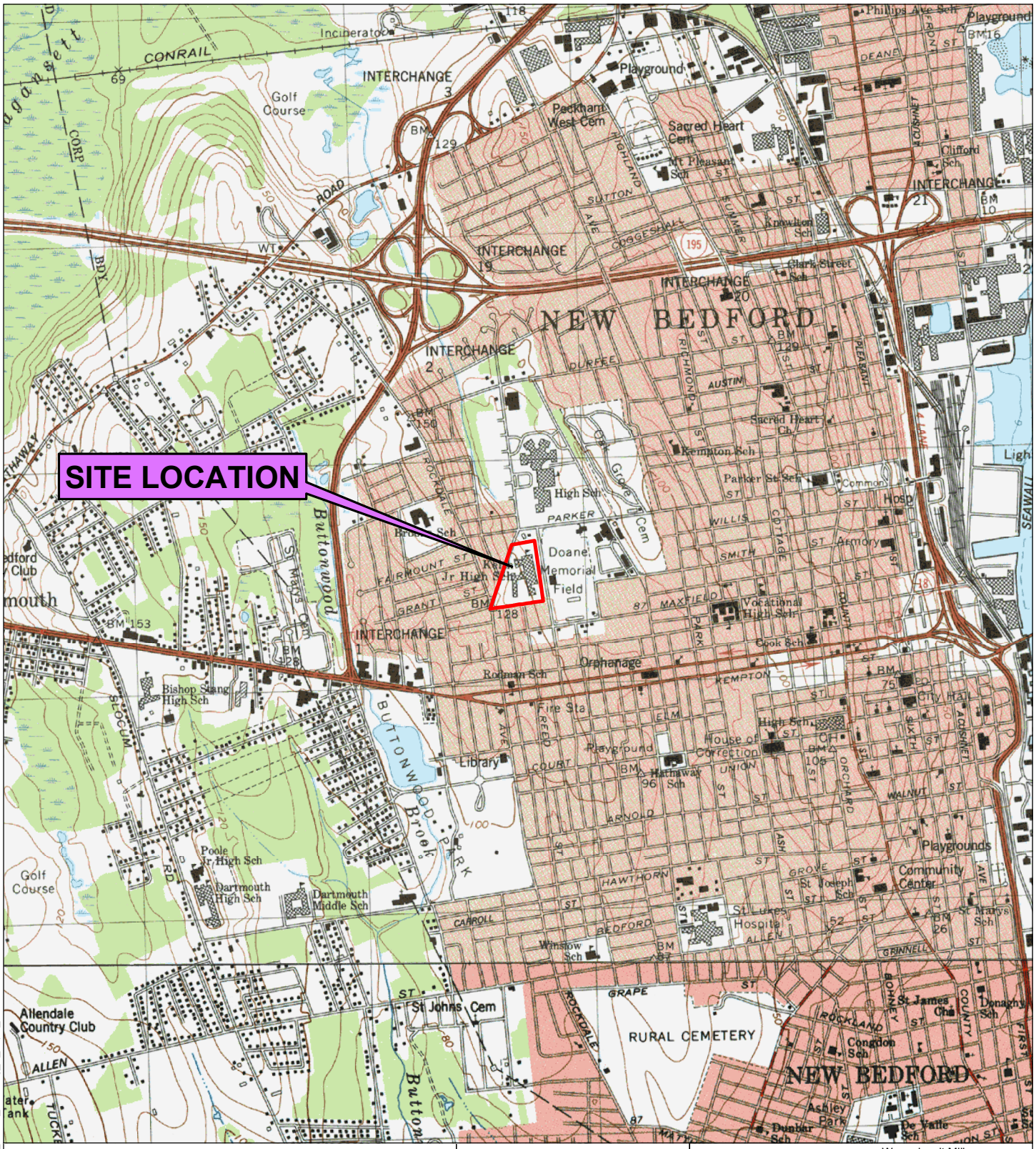
NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

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

SVOCs - Semivolatile Organic Compounds.

FIGURES

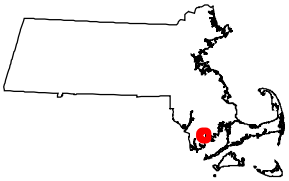


Approximate Site Boundary

N

0 1,000 2,000 Feet

MASSACHUSETTS



SITE LOCATION

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

SITE LOCATION MAP

ANDREA MCCOY FIELD SITE

NEW BEDFORD, MA

FIGURE 1	FEBRUARY 2009

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

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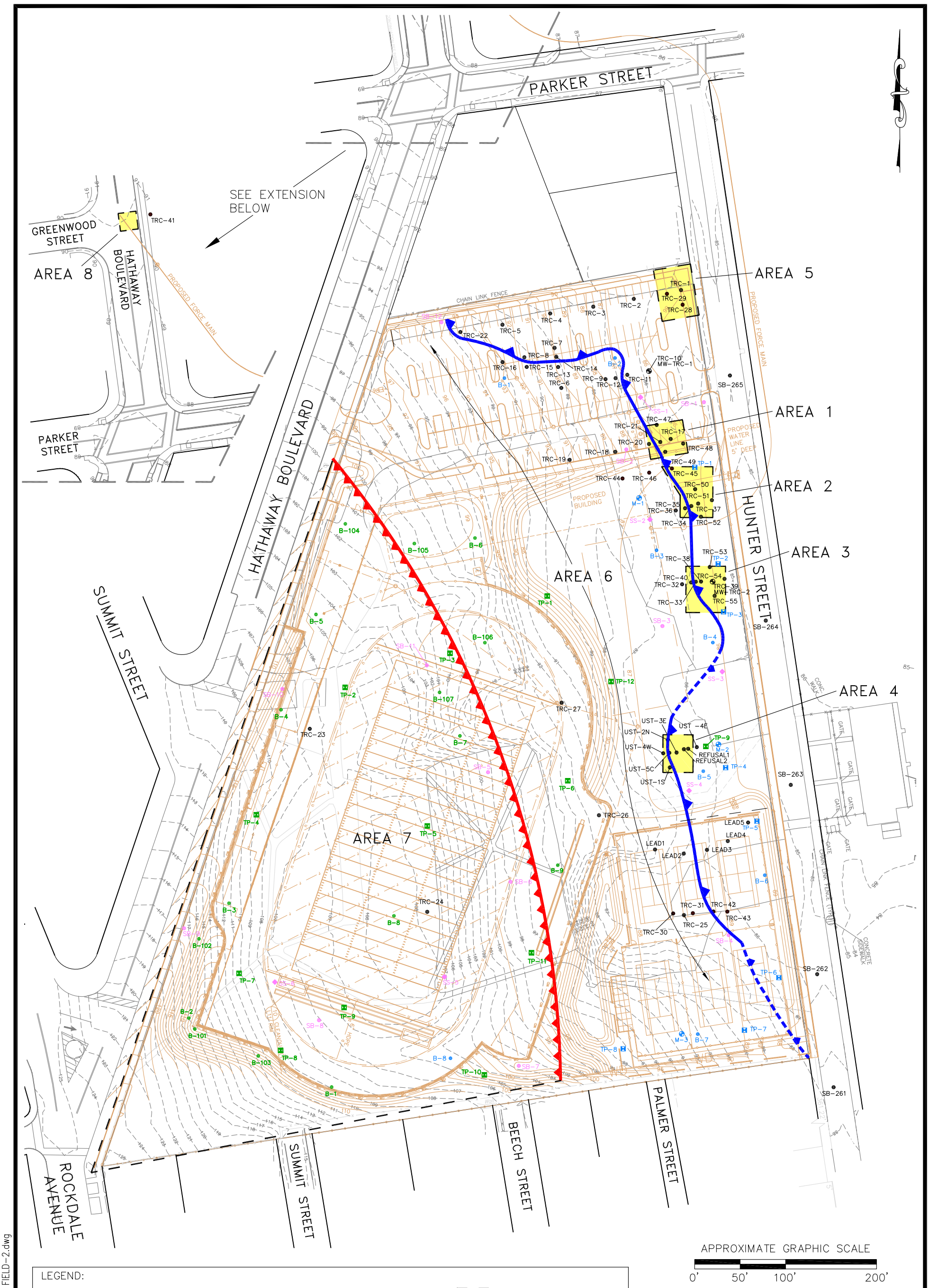


LEGEND:

- TRC BORINGS
- TRC MONITORING WELLS
- MILLER ENGINEERING BORINGS
- MILLER ENGINEERING TEST PITS
- MILLER ENGINEERING MONITORING WELLS
- LGCI TEST PITS
- LGCI BORINGS
- BETA BORINGS (APPROX.)
- BETA SURFACE SAMPLES (APPROX.)
- TARGET EXCAVATION AREAS
- OTHER EXCAVATION AREAS
- EXISTING CONDITIONS
- PROPOSED HIGH SCHOOL ATHLETIC AREA
- APPROXIMATE EXTENT OF FILL (FROM WEST TO EAST) DASHED WHERE INFERRED (ARROWS POINT TOWARD FILL)
- APPROXIMATE ATHLETIC FIELD CUT LINE (ARROWS POINT TOWARD CUT)

NEW ANDREA McCOY FIELD
NEW BEDFORD, MASSACHUSETTS

APPROXIMATE EXTENT OF FILL

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

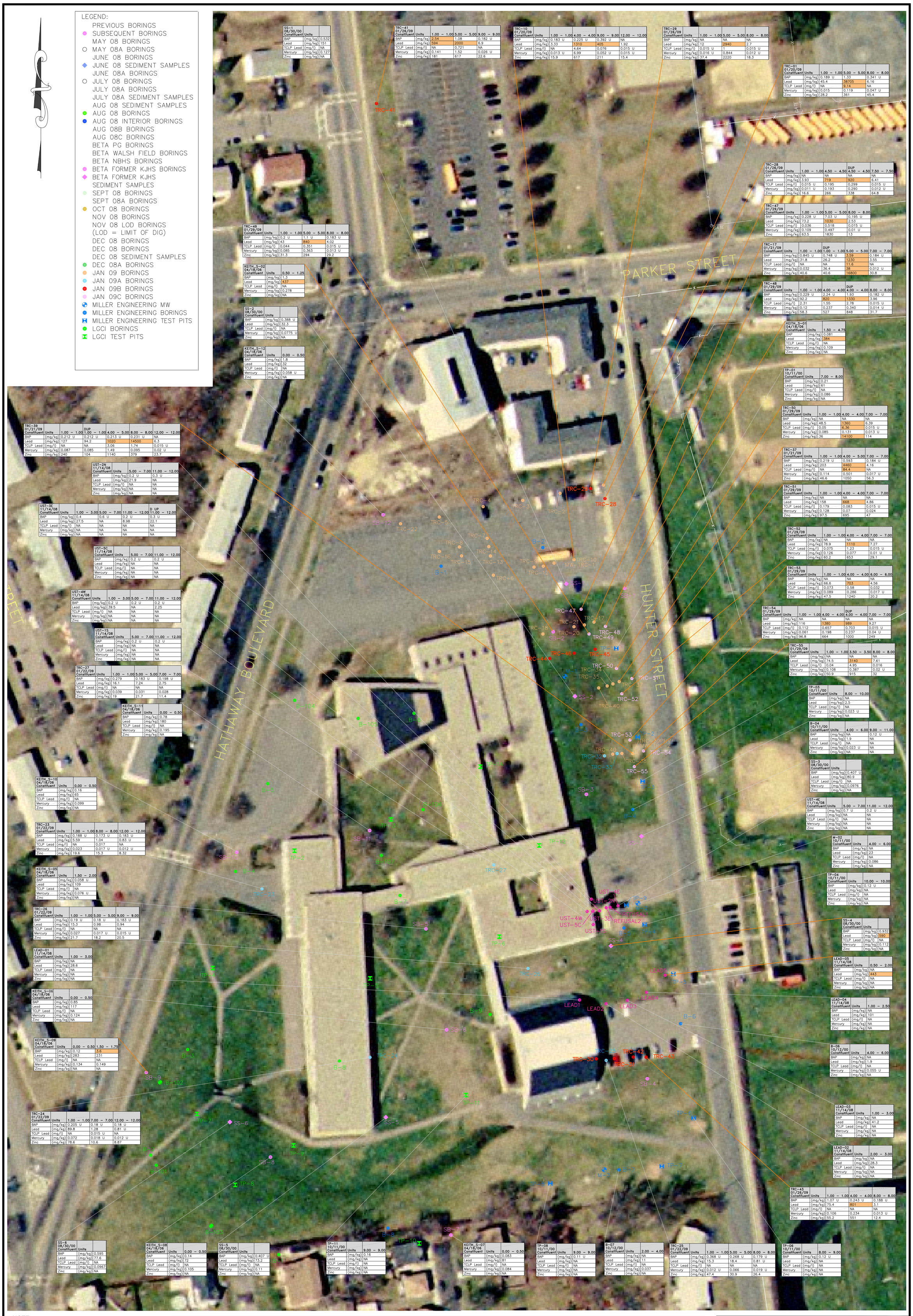
FIGURE 3

DRAWN BY: HWB
CHECKED BY: JS
DATE: JAN 2009

FILE: T:\E_CAD\115058\ANDREA McCOY FIELD-2.dwg

LEGEND:

- PREVIOUS BORINGS
- SUBSEQUENT BORINGS
- MAY 08 BORINGS
- MAY 08A BORINGS
- JUNE 08 BORINGS
- JUNE 08 SEDIMENT SAMPLES
- JUNE 08A BORINGS
- JULY 08 BORINGS
- JULY 08A BORINGS
- JULY 08A SEDIMENT SAMPLES
- AUG 08 SEDIMENT SAMPLES
- AUG 08 BORINGS
- AUG 08 INTERIOR BORINGS
- AUG 08B BORINGS
- AUG 08C BORINGS
- BETA PG BORINGS
- BETA WALSH FIELD BORINGS
- BETA NBHS BORINGS
- BETA FORMER KJHS BORINGS
- BETA FORMER KJHS SEDIMENT SAMPLES
- SEPT 08 BORINGS
- SEPT 08A BORINGS
- OCT 08 BORINGS
- NOV 08 BORINGS
- NOV 08 LOD BORINGS (LOD = LIMIT OF DIG)
- DEC 08 BORINGS
- DEC 08 BORINGS
- DEC 08 SEDIMENT SAMPLES
- DEC 08A BORINGS
- JAN 09 BORINGS
- JAN 09A BORINGS
- JAN 09B BORINGS
- JAN 09C BORINGS
- MILLER ENGINEERING MW
- MILLER ENGINEERING BORINGS
- MILLER ENGINEERING TEST PITS
- LGCI BORINGS
- LGCI TEST PITS



SS-1 08/30/00 Constituent	Units	
BAP	(mg/kg)	0.532
Lead	(mg/kg)	151
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.127
Zinc	(mg/kg)	NA

TRC-41 01/26/09 Constituent	Units	1.00 – 1.00	5.00 – 5.00	9.00 – 9.00
BAP	(mg/kg)	2.54	1.08	0.182 U
Lead	(mg/kg)	594	2000	6.9
TCLP Lead	(mg/l)	NA	0.721	NA
Mercury	(mg/kg)	0.141	1.52	0.026 U
Zinc	(mg/kg)	181	617	22.6

TRC-10 01/20/09 Constituent	Units	1.00 – 1.00	4.00 – 4.00	9.00 – 9.00	12.00 – 12.00
BAP	(mg/kg)	0.183 U	0.225 U	0.392 U	NA
Lead	(mg/kg)	3.33	1310	405	1.92
TCLP Lead	(mg/l)	NA	4.64	0.076	0.015 U
Mercury	(mg/kg)	0.013 U	6.99	0.052 U	0.015 U
Zinc	(mg/kg)	15.9	617	211	15.4

TRC-29 01/26/09 Constituent	Units	1.00 – 1.00	5.00 – 5.00	8.00 – 8.00
BAP	(mg/kg)	NA	NA	NA
Lead	(mg/kg)	12	2940	2.7
TCLP Lead	(mg/l)	0.015 U	1	0.015 U
Mercury	(mg/kg)	0.016 U	0.844	0.012 U
Zinc	(mg/kg)	37.4	2220	18.3

TRC-01 01/20/09 Constituent	Units	1.00 – 1.00	5.00 – 5.00	8.00 – 8.00
BAP	(mg/kg)	0.189 U	1.33	0.341 U
Lead	(mg/kg)	45.4	38705	6.16
TCLP Lead	(mg/l)	NA	9.14	NA
Mercury	(mg/kg)	0.015	0.119	0.047 U
Zinc	(mg/kg)	28.2	361	45.4

TRC-28 01/26/09 Constituent	Units	1.00 – 1.00	4.50 – 4.50	DUP 4.50 – 4.50	7.50 – 7.50
BAP	(mg/kg)	NA	NA	NA	NA
Lead	(mg/kg)	3.93	719	920	6.41
TCLP Lead	(mg/l)	0.015 U	0.195	0.299	0.015 U
Mercury	(mg/kg)	0.011 U	0.193	0.290	0.012 U
Zinc	(mg/kg)	16.6	266	338	64.8

TRC-47 01/29/09 Constituent	Units	1.00 – 1.00	5.00 – 5.00	8.00 – 8.00
BAP	(mg/kg)	0.228 U	7.03 U	0.195 U
Lead	(mg/kg)	73.2	1030	2.53
TCLP Lead	(mg/l)	0.036	0.518	0.015 U
Mercury	(mg/kg)	0.109	0.497	0.01 U
Zinc	(mg/kg)	63.5	1830	13

TRC-17 01/21/09 Constituent	Units	1.00 – 1.00	DUP 1.00 – 1.00	5.00 – 5.00	7.00 – 7.00
BAP	(mg/kg)	0.845 U	0.748 U	3.59	0.184 U
Lead	(mg/kg)	31.8	26.2	1230	3.55
TCLP Lead	(mg/l)	NA	NA	11.6	NA
Mercury	(mg/kg)	0.032	36.4	38	0.012 U
Zinc	(mg/kg)	40.6	40.6	16800	30.8

TRC-48 01/29/09 Constituent	Units	1.00 – 1.00	4.00 – 4.00	DUP 4.00 – 4.00	8.00 – 8.00
BAP	(mg/kg)	0.229 U	2.24 U	1.93	0.182 U
Lead	(mg/kg)	92.2	820	1330	3.96
TCLP Lead	(mg/l)	2.31	1.55	2.78	0.015 U
Mercury	(mg/kg)	0.12	0.237	0.340	0.014 U
Zinc	(mg/kg)	58.3	527	848	31.7

TRC-49 01/29/09 Constituent	Units	1.00 – 1.00	5.00 – 5.00	8.00 – 8.00
BAP	(mg/kg)	0.2 U	1.1 U	0.183 U
Lead	(mg/kg)	43	840	4.02
TCLP Lead	(mg/l)	0.044	0.351	0.015 U
Mercury	(mg/kg)	0.085	0.363	0.013 U
Zinc	(mg/kg)	31.3	294	29.2

KEITH_S-02 04/18/06 Constituent	Units	0.50 – 1.25
BAP	(mg/kg)	1.3
Lead	(mg/kg)	437
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.278
Zinc	(mg/kg)	NA

SS-2 08/30/00 Constituent	Units	
BAP	(mg/kg)	0.388 U
Lead	(mg/kg)	32.3
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.0775 U
Zinc	(mg/kg)	NA

KEITH_S-12 04/18/06 Constituent	Units	0.00 – 0.50
BAP	(mg/kg)	1.8
Lead	(mg/kg)	32
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.058 U
Zinc	(mg/kg)	NA

KEITH_S-01 04/18/06 Constituent	Units	1.50 – 4.75
BAP	(mg/kg)	0.081
Lead	(mg/kg)	384
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.109
Zinc	(mg/kg)	NA

TP-01 10/11/00 Constituent	Units	7.00 – 8.00
BAP	(mg/kg)	0.21
Lead	(mg/kg)	61
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.086
Zinc	(mg/kg)	NA

TRC-50 01/29/09 Constituent	Units	1.00 – 1.00	4.00 – 4.00	7.00 – 7.00
BAP	(mg/kg)	NA	NA	NA
Lead	(mg/kg)	48.5	1360	6.39
TCLP Lead	(mg/l)	0.05	6.36	0.015 U
Mercury	(mg/kg)	0.085	0.131	0.013 U
Zinc	(mg/kg)	36	14100	114

TRC-37 01/21/09 Constituent	Units	1.00 – 1.00	4.00 – 5.00	7.00 – 7.00
BAP	(mg/kg)	0.219 U	0.593	0.184 U
Lead	(mg/kg)	203	4460	4.16
TCLP Lead	(mg/l)	NA	84.4	NA
Mercury	(mg/kg)	0.114	0.501	0.017 U
Zinc	(mg/kg)	46.6	1050	56.3

TRC-51 01/29/09 Constituent	Units	1.00 – 1.00	4.00 – 4.00	7.00 – 7.00
BAP	(mg/kg)	NA	NA	NA
Lead	(mg/kg)	158	668	4.86
TCLP Lead	(mg/l)	0.179	0.083	0.015 U
Mercury	(mg/kg)	0.128	0.07	0.024
Zinc	(mg/kg)	97.5	695	47

TRC-52 01/29/09 Constituent	Units	1.00 – 1.00	4.00 – 4.00	7.00 – 7.00
BAP	(mg/kg)	NA	NA	NA
Lead	(mg/kg)	78.9	1110	7.27
TCLP Lead	(mg/l)	0.075	1.23	0.015 U
Mercury	(mg/kg)	0.126	0.077	0.01 U
Zinc	(mg/kg)	60.2	653	29.1

TRC-53 01/29/09 Constituent	Units	1.00 – 1.00	4.00 – 4.00	6.00 – 6.00
BAP	(mg/kg)	NA	NA	NA
Lead	(mg/kg)	66.6	703	4.56
TCLP Lead	(mg/l)	0.073	0.58	0.032
Mercury	(mg/kg)	0.089	0.286	0.017 U
Zinc	(mg/kg)	47.5	1240	20.2

TRC-54 01/29/09 Constituent	Units	1.00 – 1.00	4.00 – 4.00	DUP 4.00 – 4.00	7.00 – 7.00
BAP	(mg/kg)	NA	NA	NA	NA
Lead	(mg/kg)	116	1380	989	9.27
TCLP Lead	(mg/l)	0.112	0.657	0.703	0.015 U
Mercury	(mg/kg)	0.061	0.198	0.237	0.04 U
Zinc	(mg/kg)	96.8	664	1000	249

TRC-55 01/29/09 Constituent	Units	1.00 – 1.00	3.50 – 3.50	8.00 – 8.00
BAP	(mg/kg)	NA	NA	NA
Lead	(mg/kg)	74.5	3140	7.61
TCLP Lead	(mg/l)	0.04	4.95	0.016
Mercury	(mg/kg)	0.108	0.387	0.02 U
Zinc	(mg/kg)	50.9	915	32

TP-03 10/11/00 Constituent	Units	8.00 – 10.00
BAP	(mg/kg)	NA
Lead	(mg/kg)	2.5
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.023 U
Zinc	(mg/kg)	NA

B-04 10/11/00 Constituent	Units	4.00 – 6.00	9.00 – 11.00
BAP	(mg/kg)	NA	0.12 U
Lead	(mg/kg)	1.9	NA
TCLP Lead	(mg/l)	NA	NA
Mercury	(mg/kg)	0.023 U	NA
Zinc	(mg/kg)	NA	NA

SS-3 08/30/00 Constituent	Units	
BAP	(mg/kg)	0.407 U
Lead	(mg/kg)	80.9
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.0976
Zinc	(mg/kg)	NA

UST-4E 11/14/08 Constituent	Units	5.00 – 7.00	11.00 – 12.00
BAP	(mg/kg)	0.7 U	0.2 U
Lead	(mg/kg)	NA	NA
TCLP Lead	(mg/l)	NA	NA
Mercury	(mg/kg)	NA	NA
Zinc	(mg/kg)	NA	NA

M-02 10/11/00 Constituent	Units	4.00 – 6.00
BAP	(mg/kg)	NA
Lead	(mg/kg)	23
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.086
Zinc	(mg/kg)	NA

TP-04 10/11/00 Constituent	Units	10.00 – 10.00
BAP	(mg/kg)	0.12 U
Lead	(mg/kg)	NA
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	NA
Zinc	(mg/kg)	NA

SS-4 08/30/00 Constituent	Units	
BAP	(mg/kg)	0.932
Lead	(mg/kg)	590
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.112
Zinc	(mg/kg)	NA

LEAD-05 11/14/08 Constituent	Units	0.50 – 2.00
BAP	(mg/kg)	NA
Lead	(mg/kg)	443
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	NA
Zinc	(mg/kg)	NA

LEAD-04 11/14/08 Constituent	Units	1.00 – 2.50
BAP	(mg/kg)	NA
Lead	(mg/kg)	101
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	NA
Zinc	(mg/kg)	NA

B-06 10/12/00 Constituent	Units	4.00 – 6.00
BAP	(mg/kg)	NA
Lead	(mg/kg)	1.9
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.055 U
Zinc	(mg/kg)	NA

LEAD-03 11/14/08 Constituent	Units	1.00 – 3.00
BAP	(mg/kg)	NA
Lead	(mg/kg)	41.2
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	NA
Zinc	(mg/kg)	NA

LEAD-02 11/14/08 Constituent	Units	2.00 – 3.00
BAP	(mg/kg)	NA
Lead	(mg/kg)	28.3
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	NA
Zinc	(mg/kg)	NA

TRC-43 01/26/09 Constituent	Units	1.00 – 1.00	4.00 – 4.00	8.00 – 8.00
BAP	(mg/kg)	1.07 U	0.243 U	0.188 U
Lead	(mg/kg)	75.4	801	3.1
TCLP Lead	(mg/l)	NA	NA	NA
Mercury	(mg/kg)	0.106	0.234	0.013 U
Zinc	(mg/kg)	55.2	551	12.4

TRC-39 01/21/09 Constituent	Units	1.00 – 1.00	DUP 1.00 – 1.00	4.00 – 5.00	8.00 – 8.00	12.00 – 12.00
BAP	(mg/kg)	0.212 U	0.212 U	0.213 U	0.231 U	NA
Lead	(mg/kg)	127	94.2	1020	14500	6.3
TCLP Lead	(mg/l)	NA	NA	3.06	1.74	0.015 U
Mercury	(mg/kg)	0.087	0.085	1.49	0.095	0.02 U
Zinc	(mg/kg)	240	104	1140	379	23.7

UST-2N 11/14/08 Constituent	Units	5.00 – 7.00	11.00 – 12.00
BAP	(mg/kg)	0.2 U	0.3 U
Lead	(mg/kg)	21.9	NA
TCLP Lead	(mg/l)	NA	NA
Mercury	(mg/kg)	NA	NA
Zinc	(mg/kg)	NA	NA

UST-3E 11/14/08 Constituent	Units	1.00 – 3.00	5.00 – 7.00	11.00 – 12.00	D UP 11.00 – 12.00
BAP	(mg/kg)	0.4	0.6 U	0.2 U	0.3 U
Lead	(mg/kg)	27.5	NA	8.98	22.1
TCLP Lead	(mg/l)	NA	NA	NA	NA
Mercury	(mg/kg)	NA	NA	NA	NA
Zinc	(mg/kg)	NA	NA	NA	NA

UST-5C 11/14/08 Constituent	Units	5.00 – 7.00	11.00 – 12.00
BAP	(mg/kg)	0.2 U	0.2 U
Lead	(mg/kg)	NA	NA
TCLP Lead	(mg/l)	NA	NA
Mercury	(mg/kg)	NA	NA
Zinc	(mg/kg)	NA	NA

UST-4W 11/14/08 Constituent	Units	1.00 – 3.00	5.00 – 7.00	11.00 – 12.00
BAP	(mg/kg)	0.2 U	0.2 U	0.2 U
Lead	(mg/kg)	39.5	NA	2.25
TCLP Lead	(mg/l)	NA	NA	NA
Mercury	(mg/kg)	NA	NA	NA
Zinc	(mg/kg)	NA	NA	NA

UST-1S 11/14/08 Constituent	Units	5.00 – 7.00	11.00 – 12.00
BAP	(mg/kg)	0.2 U	0.2 U
Lead	(mg/kg)	NA	NA
TCLP Lead	(mg/l)	NA	NA
Mercury	(mg/kg)	NA	NA
Zinc	(mg/kg)	NA	NA

TRC-27 01/22/09 Constituent	Units	1.00 – 1.00	5.00 – 5.00	7.00 – 7.00
BAP	(mg/kg)	0.279	0.183 U	0.198 U
Lead	(mg/kg)	16.1	7.24	2.75
TCLP Lead	(mg/l)	NA	NA	NA
Mercury	(mg/kg)	0.039	0.031	0.028
Zinc	(mg/kg)	19	21.7	11.4

KEITH_S-11 04/18/06 Constituent	Units	0.00 – 0.50
BAP	(mg/kg)	0.78
Lead	(mg/kg)	180
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.195
Zinc	(mg/kg)	NA

KEITH_S-10 04/18/06 Constituent	Units	0.00 – 0.50
BAP	(mg/kg)	0.16
Lead	(mg/kg)	65
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.099
Zinc	(mg/kg)	NA

TRC-23 01/22/09 Constituent	Units	1.00 – 1.00	8.00 – 8.00	12.00 – 12.00
BAP	(mg/kg)	0.188 U	0.173 U	0.183 U
Lead	(mg/kg)	5.59	1.04	0.83 U
TCLP Lead	(mg/l)	NA	0.017	NA
Mercury	(mg/kg)	0.023	0.017 U	0.012 U
Zinc	(mg/kg)	19.6	15.3	8.32

KEITH_S-05 04/18/06 Constituent	Units	1.50 – 2.00
BAP	(mg/kg)	0.058 U
Lead	(mg/kg)	109
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.076 U
Zinc	(mg/kg)	NA

TRC-26 01/22/09 Constituent	Units	1.00 – 1.00	5.00 – 5.00	9.00 – 9.00
BAP	(mg/kg)	0.19 U	0.18 U	0.183 U
Lead	(mg/kg)	15.3	0.98	0.94
TCLP Lead	(mg/l)	NA	NA	NA
Mercury	(mg/kg)	0.027	0.017 U	0.015 U
Zinc	(mg/kg)	21.7	18.2	20.5

LEAD-01 11/14/08 Constituent	Units	1.00 – 3.00
BAP	(mg/kg)	NA
Lead	(mg/kg)	28.6
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	NA
Zinc	(mg/kg)	NA

KEITH_S-06 04/18/06 Constituent	Units	0.00 – 0.50
BAP	(mg/kg)	0.85
Lead	(mg/kg)	117
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.124
Zinc	(mg/kg)	NA

KEITH_S-09 04/18/06 Constituent	Units	0.00 – 0.50	1.50 – 1.75
BAP	(mg/kg)	0.12	3.6
Lead	(mg/kg)	283	231
TCLP Lead	(mg/l)	NA	NA
Mercury	(mg/kg)	0.134	0.149
Zinc	(mg/kg)	NA	NA

TRC-24 01/22/09 Constituent	Units	1.00 – 1.00	7.00 – 7.00	12.00 – 12.00
BAP	(mg/kg)	0.205 U	0.18 U	0.18 U
Lead	(mg/kg)	89.8	1.28	0.81 U
TCLP Lead	(mg/l)	NA	0.015 U	NA
Mercury	(mg/kg)	0.072	0.018 U	0.012 U
Zinc	(mg/kg)	78.6	10.6	8.87

SS-6 08/30/00 Constituent	Units	
BAP	(mg/kg)	0.595
Lead	(mg/kg)	77.6
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.0967
Zinc	(mg/kg)	NA

KEITH_S-08 04/18/06 Constituent	Units	0.00 – 0.50
BAP	(mg/kg)	0.14
Lead	(mg/kg)	72
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.105
Zinc	(mg/kg)	NA

SS-5 08/30/00 Constituent	Units	
BAP	(mg/kg)	0.407 U
Lead	(mg/kg)	73.2
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.11
Zinc	(mg/kg)	NA

TP-11 10/11/00 Constituent	Units	9.00 – 9.00
BAP	(mg/kg)	0.16
Lead	(mg/kg)	NA
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	NA
Zinc	(mg/kg)	NA

KEITH_S-07 04/18/06 Constituent	Units	0.00 – 0.50
BAP	(mg/kg)	0.083
Lead	(mg/kg)	81
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.084
Zinc	(mg/kg)	NA

TP-08 10/11/00 Constituent	Units	9.00 – 9.00
BAP	(mg/kg)	0.11 U
Lead	(mg/kg)	NA
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	NA
Zinc	(mg/kg)	NA

B-07 10/12/00 Constituent	Units	2.00 – 4.00
BAP	(mg/kg)	NA
Lead	(mg/kg)	11
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.037
Zinc	(mg/kg)	NA

TRC-25 01/22/09 Constituent	Units	1.00 – 1.00	5.00 – 5.00	8.00 – 8.00
BAP	(mg/kg)	0.368 U	0.268 U	0.179 U
Lead	(mg/kg)	15.3	18.4	0.81 U
TCLP Lead	(mg/l)	NA	NA	NA
Mercury	(mg/kg)	0.012 U	0.066	0.019 U
Zinc	(mg/kg)	47.4	30.9	26.4

TP-06 10/11/00 Constituent	Units	8.00 – 9.00
BAP	(mg/kg)	0.12 U
Lead	(mg/kg)	NA
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	NA
Zinc	(mg/kg)	NA

NOTE:
1. ALL BORINGS, WELLS, AND SOIL GAS LOCATIONS ARE PRELIMINARY AND SUBJECT TO CHANGE AND ARE BASED ON SITE CONDITIONS AND BEST PROFESSIONAL JUDGEMENT.
2. IMAGE CORRECTED LOCATION - SAMPLE POINT LOCATION ADJUSTED FROM SURVEY TO COMPENSATE FOR GEOMETRIC DISTORTION (RELIEF DISPLACEMENT).

APPROXIMATE GRAPHIC SCALE
0' 25' 50' 100'

Summary of Regulatory Comparison Criteria for Soil

Contaminant Names	Unit	Method 1 S-1/GW-2	Method 1 S-1/GW-3	Method 1 S-2/GW-2	Method 1 S-2/GW-3	RC S-1
Benzo(a)pyrene (BAP)	(mg/kg)	2	2	4	4	2
Lead	(mg/kg)	300	300	300	300	300
TCLP Lead	(mg/L)	NS	NS	NS	NS	5*
Mercury	(mg/kg)	20	20	30	30	20
Zinc	(mg/kg)	2500	2500	3000	3000	2500
* - SW-846, Chapter 7, Characteristics Introduction and Regulatory Definitions, Table 7-1:						
Maximum Concentration of Contaminants for Toxicity Characteristic.						

NOTES:
MG/KG - MILLIGRAMS PER KILOGRAM (DRY WEIGHT).
MG/L - MILLIGRAMS PER LITER.
NA - SAMPLE NOT ANALYZED FOR THE LISTED ANALYTE.
RC - REPORTABLE CONCENTRATION.
TCLP - TOXICITY CHARACTERISTIC LEACHING PRODEDURE.
U - COMPOUND WAS NOT DETECTED AT SPECIFIED QUANTITATION LIMIT.

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

SAMPLE LOCATION
SAMPLE DATE

M-02 10/11/00 Constituent	Units	4.00 – 6.00
BAP	(mg/kg)	NA
Lead	(mg/kg)	23
TCLP Lead	(mg/l)	NA
Mercury	(mg/kg)	0.086
Zinc	(mg/kg)	NA

CONTAMINANT NAME /ABBREVIATION

SAMPLE DEPTH (DEPTH RANGE) IN FEET

NEW ANDREA McCOY FIELD
NEW BEDFORD, MASSACHUSETTS

ANALYTICAL RESULTS SUMMARY

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

FIGURE 2

DRAWN BY: PZ
CHECKED BY: DMS
DATE: 2/5/2009

FILE: Q:\GEOSCI\GISKEYProjects\NewBedford\Keith JHS_Soil_Feb09.DWG

APPENDIX A

SOIL BORING AND WELL LOGS

TRC
Wannalancit Mills
650 Suffolk Street
Lowell MA
Telephone: 978-970-5600
Fax: 978-453-1995

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-1
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/20/09
LOCATION Northeast Corner of Former KJH Parking Lot
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A
NOTES Samples analyzed for VOCs, SVOCs, PCBs, PAHs, TPH and/or Metals (total and TCLP).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/24		S-1		ASPHALT		TRC-1 (1) 1000	
1						2-8" Orange-brown fine SAND, rusty coloration with trace fine gravel.	0.0		
2						8-12" Dark brown organic SILT.			
3						12-24" Dark brown SILT & fine SAND with fill (mainly at ~12-14" & 22-24") with cinders, ash, slag, and trace glass, slightly moist, no odor, no staining.			
4									
5	N/A	60/40		S-2		0-28" Dark brown organic SILT / PEAT, trace roots, moist.	0.0	TRC-1 (5) 1010	No Monitoring Well Installed
6									
7									
8								TRC-1 (8) 1015	▼
9						28-40" Gray fine SAND, some silt, trace medium sand, wet, no odor, no staining.			
10						End of Boring - Terminated at 10 feet (native).		TRC-1 (10) HOLD 1020	

TRC
Wannalancit Mills
650 Suffolk Street
Lowell MA
Telephone: 978-970-5600
Fax: 978-453-1995

BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-2
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/20/09
LOCATION Approx. 50 feet west of Hunter Street / North edge of parking
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8.5
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/30		S-1		ASPHALT 3-30" Tan- orange-brown fine SAND, some silt, trace fine to medium gravel, slightly moist, no odor, no staining.	0.0	N/A	
1									
2									
3									
4									
5	N/A	60/24		S-2		0-4" Dark-brown to black SILT with fill (ash, cinders, and glass), moist to very moist.		N/A	No Monitoring Well Installed
6						4-12" Gray SILT, some fine sand, trace rusty coloration, moist, no odor, no staining.			
7									
8						12-24" Gray fine SAND, trace medium sand, little silt, moist to wet, no staining, slight organic odor.	1.0		▼
9									
10						End of Boring - Terminated at 10 feet (native).			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-3
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/20/09
LOCATION Approx. 50 feet west of TRC-2
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected.

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 9
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/30		S-1		ASPHALT		N/A	
1, 2, 3, 4						4-24" Orange-brown fine SAND and SILT, trace fine to medium gravel, organic (dark brown) layer from ~6-8", slightly moist, no odor, no staining.	0.0		
						24-26" Pulverized white rock (possibly granite).			
5						26-30" Dark brown SILT with fill (ash, glass, coal, and slag), slightly moist, no odor, no staining.			
	N/A	60/18		S-2		0-6" Dark brown SILT with fill (ash, coal, and slag), wet (possibly collapse).		N/A	No Monitoring Well Installed
6									
7, 8, 9						6-18" Gray fine SAND and SILT, trace medium sand, wet, no odor, no staining.	0.0		▼
10						End of Boring @ 10 feet (native).			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-4
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/20/09
LOCATION Approx. 50 feet west of TRC-3 (north edge of lot)
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected.

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 9
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/24		S-1		ASPHALT		N/A	
1						3-20" Orange-brown fine SAND, some silt, trace fine to medium gravel, slightly moist, no odor, no staining.			
2									
3							0.0		
4									
						20-24" Orange-brown FILL, (ash, coal, trace glass), slightly moist, no odor, no staining.			
5	N/A	60/8		S-2		0-4" Orange-brown FILL, (ash, coal, trace glass), slightly moist, no odor, no staining (possible collapse).		N/A	
6									
7									No Monitoring Well Installed
						4-8" Gray fine SAND and SILT, moist to wet, no odor, no staining.	1.0		
8									
9									▼
10	N/A	36/30		S-3		0-30" Gray fine SAND, some silt, wet, no odor, no staining.		N/A	
11									
12							0.0		
13									
						End of Boring @ 13 feet (native).			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-5
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/20/09
LOCATION Approx. 50 feet west of TRC-4 (north edge of lot)
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 10
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/40		S-1		ASPHALT 2-6" Gray subbase fine SAND, trace fine gravel, no odor, no staining. 6-34" Orange-brown fine SAND, some silt, trace fine gravel, very slightly moist, no odor, no staining.	0.9	N/A	
1									
2									
3									
4									
5	N/A	60/12		S-2		34-36" Pulverized fine to coarse gravel. 36-40" FILL material, dark brown silt and fine sand matrix with wood debris, glass, ash, coal, and rust coloration, moist, no odor, no staining. 0-12" FILL material, dark brown silt and fine sand matrix with wood debris, glass, ash, coal, and rust coloration, wet, loose, no odor, no staining.	0.9	N/A	No Monitoring Well Installed
6									
7									
8									
9									
10	N/A	36/14		S-3		0-2" Collapse (fill material). 2-14" Gray fine SAND, little silt, wet, no odor, no staining.	0.8	N/A	▼
11									
12									
13						End of Boring @ 13 feet (native).			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-6
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/20/09
LOCATION Approx. 80 feet south of TRC-4
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 10
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/48		S-1		ASPHALT		N/A	
1						4-48" Orange-brown fine SAND and SILT, trace fine to coarse gravel, slightly moist, no odor, no staining.			
2									
3							0.8		
4									
5	N/A	60/24		S-2		0-6" Orange-brown fine SAND and SILT, trace fine to coarse gravel, slightly moist, no odor, no staining.		N/A	
6									
7						6-24" Gray-brown fine SAND, some silt, moist to very moist, no odor, no staining.			No Monitoring Well Installed
8							0.6		
9									
10	N/A	36/30		S-3		0-6" Gray fine SAND and SILT, wet (possible collapse).		N/A	
11						6-12" Dark-brown, organic SILT, wet, no odor, no staining.			
12						12-30" Gray fine SAND and SILT, trace medium sand, wet, no odor, no staining.	0.8		
13						End of Boring @ 13 feet (native).			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-7
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/20/09
LOCATION Approx. 40 feet north of TRC-6 / Approx. 40 south of TRC-4
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 10
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/48		S-1		ASPHALT 2-48" Orange-brown changing to gray brown at approx. 36" fine SAND, some silt, trace fine gravel, slightly moist, no odor, no staining.	0.7	N/A	
5	N/A	60/8		S-2		0-8" Fine SAND and SILT matrix with FILL (ash, glass, and coal), very moist to wet, no odor, no staining. Note: Very easy to push probe to 8'.	0.6	N/A	No Monitoring Well Installed
10	N/A	36/24		S-3		0-4" Dark-brown organic SILT with FILL (glass and ash), wet. 4-6" Fine to course GRAVEL. 6-24" Gray fine SAND, some silt, wet, no odor, no staining.	0.6	N/A	
13						End of Boring @ 13 feet (native).			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-8
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/20/09
LOCATION Approx. 35 feet west of TRC-7
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 10
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/30		S-1		ASPHALT		N/A	
1						2-30" Orange-brown fine SAND, some silt, trace fine to medium gravel, slightly moist, no odor, no staining.			
2									
3							0.0		
4									
5	N/A	60/14		S-2		0-7" Gray-brown fine SAND and SILT, trace fine gravel, moist, no odor, no staining.		N/A	
6									
7									No Monitoring Well Installed
8						7-12" Pulverized white rock (possible granite).	0.0		
9									
10						12-14" Dark brown SILT with trace fill (ash and slag), wet, loose.			
	N/A	36/24		S-3		0-8" Dark-brown organic SILT, trace fine sand, wet, no odor, no staining.		N/A	
11									
12						8-24" Gray fine SAND, trace medium sand, little silt, wet, no odor, no staining.	0.0		
13						End of Boring @ 13 feet (native).			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-9
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/20/09
LOCATION Approx. 50 feet east of TRC-6
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 10
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/36		S-1		ASPHALT 2-36" Orange-brown fine SAND, some silt, trace fine gravel, slightly moist, no odor, no staining.	0.0	N/A	
5	N/A	60/18		S-2		0-12" Orange-brown fine SAND and SILT, trace fine gravel, wet, no odor, no staining.	0.6	N/A	No Monitoring Well Installed
						12-18" Gray fine SAND and SILT, trace organic silt at change from orange material to gray material, moist to wet, no odor, no staining.			
10	N/A	36/30		S-3		0-30" Gray SILT and fine SAND, wet, no odor, no staining.	0.0	N/A	
13						End of Boring @ 13 feet (native)			

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BORING/WELL CONSTRUCTION LOG

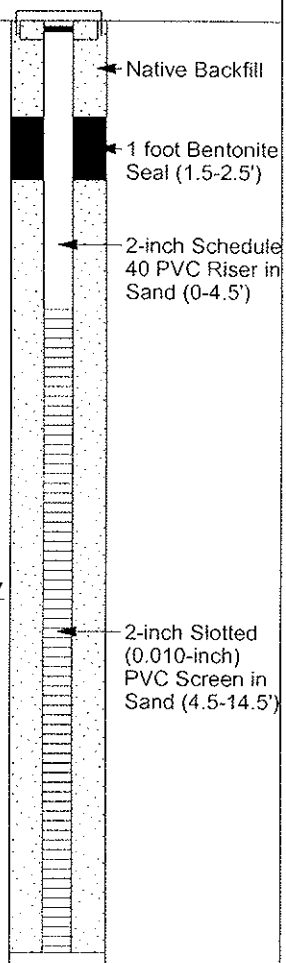
CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-10 / MW TRC-1
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/20/09
LOCATION Approximately 50 feet East of TRC-9
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6200 DT Truck Mounted

SCREEN TYPE/SLOT 2-inch Slotted (0.010-inch) PVC
FILTER PACK TYPE Sand
SEAL TYPE Bentonite
DEPTH TO WATER (Approximate Feet) 9
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

NOTES Samples analyzed for PCBs, PAHs, and Metals. TRC 10 (4) analyzed for VOCs, SVOCs, PCBs, TPH, and Total/TCLP Metals.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME
	N/A	60/48		S-1		ASPHALT		
1						3-24" Orange-brown fine SAND. some silt, trace fine to medium gravel, slightly moist, no odor, no staining.		TRC-10(1) 1415
2								
3						24-30" Dark brown organic SILT, very slightly moist.	0.0	
4						30-42" FILL material (ash, coal, cinders, slag and trace glass).		TRC-10(4) 1420
5						42-48" Dark-brown organic PEAT, moist, no odor, no staining.		
	N/A	60/18		S-2		0-14" Dark-brown organic PEAT, wet, no odor, no staining.		
6								
7								
8							0.0	
9						14-18" Gray fine SAND, some silt, wet, no odor, no staining.		TRC-10(9) 1425
10								
	N/A	36/36		S-3		0-36" Gray fine SAND, some silt, little medium to coarse sand, wet, no odor, no staining.		
11								
12							0.0	TRC-10(12) 1430
13						End of Boring @ 13 feet (native)		

WELL DIAGRAM



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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-11
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/20/09
LOCATION Approx. 25 feet west of TRC-10
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 9
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/48		S-1		ASPHALT		N/A	
						4-8" Gray sub-base fine SAND.			
1						8-30" Orange-brown fine SAND, some silt, trace fine gravel, very slightly moist, no odor, no staining.			
2									
3							0.6		
						30-44" Dark-brown organic SILT / PEAT.			
4									
						44-48" FILL (ash, coal, slag, and glass).			
5	N/A	60/30		S-2		0-20" Dark-brown organic SILT / PEAT, moist, no odor, no staining.		N/A	No Monitoring Well Installed
6									
7									
8							0.0		
						20-30" Gray fine SAND, some silt, moist to wet, no odor, no staining.			
9									
10						End of Boring @ 10 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-12
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/20/09
LOCATION Approx. 12 feet west of TRC-11
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/24		S-1		ASPHALT		N/A	
1						3-6" Gray sub-base fine SAND.			
2						6-24" Orange-brown fine SAND, some silt, trace to little fine to coarse gravel, very slightly moist, no odor, no staining.			
3							0.0		
4									
5	N/A	60/12		S-2		0-6" Orange-brown fine SAND, some silt, trace medium to coarse sand and fine gravel, very moist to wet.		N/A	No Monitoring Well Installed
6									
7									
8						6-12" Gray fine SAND and SILT, wet, no odor, no staining.	0.0		▼
9									
10						End of Boring @ 10 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-13
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/21/09
LOCATION Approx. 20 feet north of TRC-6
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 10
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/30		S-1		ASPHALT 2-24" Orange-brown fine SAND, some silt, trace fine gravel, slightly moist, no odor, no staining.	0.0	N/A	
1									
2									
3									
4						24-30" Pulverized fine to medium GRAVEL with orange-brown fine sand, very slightly moist, no odor, no staining.			
5	N/A	60/24		S-2		0-24" Orange-brown fine SAND and SILT, trace fine gravel and medium sand, very moist to wet, no odor, no staining.	0.0	N/A	No Monitoring Well Installed
6									
7									
8									
9									
10	N/A	36/24		S-3		0-24" Gray fine SAND and SILT, wet, no odor, no staining.	0.0	N/A	▼
11									
12									
13						End of Boring @ 13 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-14
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/21/09
LOCATION Approx. 10 feet north of TRC-13
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 10
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/40		S-1		ASPHALT 2-38" Orange-brown fine SAND, some silt, trace fine gravel, slightly moist, no odor, no staining.	0.0	N/A	
1									
2									
3									
4									
5	N/A	60/12		S-2		38-40" Dark-brown SILT and fine SAND (organic silt) with trace coal and rust coloration, very slightly moist, no odor, no staining. 0-11" Orange to light-brown fine SAND and SILT, trace fine gravel, moist, no odor, no staining.	0.0	N/A	No Monitoring Well Installed
6									
7									
8									
9									
10	N/A	36/30		S-3		11-12" Gray fine SAND and SILT, moist to very moist, no odor, no staining. 0-30" Gray fine SAND and SILT, little medium sand, wet, no odor, no staining.	0.0	N/A	
11									
12									
13						End of Boring @ 13 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-15
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/21/09
LOCATION Approx. 10 feet south of TRC-8
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 10
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/36		S-1		ASPHALT 2-36" Orange-brown fine SAND, some silt, trace fine to medium gravel, very slightly moist, no odor, no staining.	0.0	N/A	
1 2 3 4									
5	N/A	60/18		S-2		0-18" Gray-brown fine SAND, some silt, trace fine to medium gravel, moist to very moist, no odor, no staining.	0.0	N/A	No Monitoring Well Installed
6 7 8 9									
10						End of Boring @ 10 feet (refusal)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-16
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/21/09
LOCATION Approx. 25 feet west of TRC-8
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 10.5
TOTAL DEPTH (Feet) 15
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/30		S-1		ASPHALT 2-4" Gray sub-base fine SAND. 4-30" Orange-brown fine SAND, some silt, trace fine to medium gravel, trace organic silt at ~ 28-29" (no sign of fill), very slightly moist, no odor, no staining.	0.0	N/A	No Monitoring Well Installed
5	N/A	60/18		S-2		0-18" Gray-brown fine SAND, some silt, moist to very moist, piece of plywood in tip of core barrel, no odor, no staining.	0.0	N/A	
10	N/A	60/36		S-3		0-6" Gray-brown fine SAND, some silt, moist to wet, no odor, no staining. 6-32" Gray fine to medium SAND, little to some silt, wet, no odor, no staining. 32-36" Rusty colored fine to medium SAND, wet, no odor, no staining. End of Boring @ 15 feet (native)	0.4	N/A	▼

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-17
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/20/09
LOCATION Approx. 80 feet south of TRC-10
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES Samples analyzed for VOCs, SVOCs, PCBs, PAHs, TPH and/or Metals (Total and TCLP).

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8-9
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/24		S-1		0-12" Dark-brown to black fine SAND with slag, trace coal, very slightly moist, no odor, no staining.	0.0	TRC-17 (1) 1130 TRC-17D (1) 1150	No Monitoring Well Installed
1									
2						12-13" ROOT			
3						13-26" Orange-brown to dark-brown SILT and fine SAND, slightly moist, no odor, no staining, trace fine to medium gravel at 26".			
4									
5						26-30" FILL (black silt matrix with ash, coal, and slag), slightly moist, no odor, no staining.			
	N/A	60/40		S-2		0-4" FILL (black silt matrix with ash, coal, and slag), moist, no odor, no staining.	0.0	TRC-17(5) 1135	
6						4-10" Dark-brown organic PEAT, trace roots, moist, no odor, no staining.			
7				S-3		10-30" Gray-brown fine to medium SAND, moist to wet, no odor, no staining.		TRC-17 (7) 1140	
8									
9									
10									
	N/A	36/24				0-24" Gray to orange-brown fine to medium SAND, little silt, wet, no odor, no staining.			
11							0.0		
12								TRC-17 (12) HOLD 1145	
13						End of Boring @ 13 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-18
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/21/09
LOCATION Approx. 50 feet west of TRC-17
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 10
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/30		S-1		0-15" Dark-brown organic TOP SOIL (silt and fine sand), trace roots, loose, no odor, no staining.		N/A	
1									
2									
3						15-17" Pulverized fine to medium GRAVEL.	0.0		
						17-30" Tan-orange-brown fine SAND and SILT, slightly moist, no odor, no staining.			
4									
5	N/A	60/12		S-2		0-12" Tan-brown fine SAND and SILT, trace fine to medium gravel, moist to wet, no odor, no staining.		N/A	
6									
7									No Monitoring Well Installed
8							0.0		
9									
10	N/A	36/18		S-3		0-18" Orange-brown changing to gray with depth fine SAND and SILT, wet, no odor, no staining.		N/A	
11									
12							0.0		
13						End of Boring @ 13 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-19
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/21/09
LOCATION Approx. 100 feet west of TRC-17
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 10
TOTAL DEPTH (Feet) 15
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/36		S-1		0-36" Orange-brown fine SAND, little silt and medium to course sand, trace fine to medium gravel, very slightly moist, no odor, no staining.	0.0	N/A	No Monitoring Well Installed
5	N/A	60/18		S-2		0-18" Orange-brown fine to medium SAND, trace coarse sand, little silt, moist, no odor, no staining.	0.0	N/A	
10	N/A	60/30		S-3		0-6" Fine to medium GRAVEL (possible collapse), wet, no odor, no staining.		N/A	
						6-26" Gray fine SAND, some silt, wet, no odor, no staining.	0.0		
						26-30" Orange-brown fine SAND, little to some silt, wet, no odor, no staining.			
15						End of Boring @ 15 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-20
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/21/09
LOCATION Approx. 25 feet west of TRC-17
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/36		S-1		0-12" Dark-brown organic TOP SOIL (silt and fine sand), trace roots, very slightly moist, no odor, no staining.		N/A	
1									
2						12-36" Gray-tan-brown fine SAND and SILT, trace fine gravel, slightly moist, no odor, no staining.			
3							0.0		
4									
5	N/A	60/24		S-2		0-4" Gray-tan-brown fine SAND and SILT, trace fine gravel, slightly moist, no odor, no staining.		N/A	No Monitoring Well Installed
6						4-24" Gray fine SAND and SILT, moist to wet, pulverized rock (possibly sandstone) in tip, no odor, no staining.			
7									
8							0.0		▼
9									
10						End of Boring @ 10 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-21
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/21/09
LOCATION Approx. 12 feet west of TRC-17
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/30		S-1		0-20" Dark-brown organic TOP SOIL (silt and fine sand), trace fine gravel, slightly moist, no odor, no staining.		N/A	
1									
2									
3							0.0		
4						20-28" Tan-brown fine SAND, little silt, trace fine to medium gravel, slightly moist, no odor, no stining.			
5						28-29" BRICK debris.			No Monitoring Well Installed
	N/A	60/30		S-2		29-30" Black organic SILT, trace possible ash, moist, no odor, no staining.		N/A	
6						0-6" Dark-brown organic SILT / PEAT, trace roots, slightly moist, no odor, no staining.			
7						6-30" Gray changing to orange-brown at depth fine SAND and SILT, trace medium sand and fine gravel, moist, no odor, no staining.			
8							0.0		▼
9									
10						End of Boring @ 10 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-22
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/21/09
LOCATION Approx. 50 feet west of TRC-5
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 11
TOTAL DEPTH (Feet) 15
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/24		S-1		ASPHALT		N/A	
						2-6" Gray sub-base fine SAND.			
1						6-24" Gray-orange-brown fine SAND, some silt, trace fine to medium gravel, slightly moist, no odor, no staining.			
2									
3							0.0		
4									
5	N/A	60/18		S-2		0-12" Gray-orange-brown fine SAND, some silt, trace fine to medium gravel, moist, no odor, no staining.		N/A	
6									
7									No Monitoring Well Installed
8							0.0		
9						12-18" FILL material (ash, glass, coal), trace organic PEAT in tip, moist, no odor, no staning.			
10	N/A	60/30		S-3		0-8" Dark-brown organic PEAT, trace roots.		N/A	
11									▼
						8-26" Gray fine SAND and SILT, trace fine gravel, moist to wet, no odor, no staining.			
12									
13							0.0		
14									
15						26-30" Orange-brown (rust coloration due to possible oxy-red. zone) fine to medium SAND, wet, no odor, no staining.			
						End of Boring @ 15 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-23
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/22/09
LOCATION South southeast of former KJM flagpole
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 12.5
TOTAL DEPTH (Feet) 18.5
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

NOTES Samples analyzed for PCBs, PAHs, and Metals. Sample TRC-23(8) analyzed for VOCs, SVOCs, PCBs, TPH and total/TCLP Metals

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/42		S-1		ASPHALT 2-42" Orange-brown fine SAND, some silt, trace fine to medium gravel, slightly moist, no odor, no staining.	0.0	TRC-23 (1) 1000	
5	N/A	60/42		S-2		0-8" Orange-brown fine SAND, some silt, trace fine gravel, slightly moist, no odor, no staining. 8-14" Pulverized fine to medium GRAVEL. 14-39" Gray-tan-brown fine SAND, some silt, trace medium to coarse sand and fine to medium gravel, moist, no odor, no staining.	0.0	TRC-23 (8) 1005	No Monitoring Well Installed
10	N/A	60/30		S-3		39-42" Pulverized fine to medium GRAVEL. 0-30" Gray-tan-brown fine SAND, little silt and medium sand, trace fine to medium gravel, moist to wet, no odor, no staining.	0.0	TRC-23 (12) 1010	
15		42/30		S-4		0-30" Gray-tan-brown fine SAND, little silt, trace medium sand and fine to medium gravel, dense, wet, no odor, no staining.	0.0	TRC-23(17) HOLD 1015	
						End of Boring @ 18.5 feet (refusal)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-24
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/22/09
LOCATION Mid-southern portion of Site (KJH)
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 12-13
TOTAL DEPTH (Feet) 20
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

NOTES Samples analyzed for PCBs, PAHs, and Metals. Sample TRC24(7) for VOCs, SVOCs, PCBs, TPH, and Total/TCLP metals.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/40		S-1		0-18" Dark-brown organic TOP SOIL (silt and fine sand), trace roots and fine gravel, no odor, no staining.	0.0	TRC-24 (1) 0905	
						18-40" Orange-brown SILT and fine SAND, very slightly moist, no odor, no staining.			
	N/A	60/36		S-2		0-8" Orange-brown fine SAND and SILT, trace fine gravel, slightly moist, no odor, no staining.			
						8-14" Pulverized fine to medium GRAVEL.	0.0	TRC-24 (7) 0910	No Monitoring Well Installed
						14-36" Gray-tan-brown fine SAND, little to some silt, slightly moist, no odor, no staining.			
	N/A	60/24		S-3		0-24" Gray-tan-brown fine SAND little silt, trace fine to coarse gravel, moist to wet, dense, no odor, no staining, trace rusty coloration.	0.0	TRC-24 (12) 0915	
		60/40		S-4		0-40" Gray-tan-brown fine SAND little silt, trace medium to coarse sand and fine to coarse gravel, dense, wet, no odor, no staining.	0.0	TRC-24 (17) HOLD 0920	
						End of Boring @ 20 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-25
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/22/09
LOCATION Southeast portion of Site within driveway of southern building
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES Samples analyzed for PCBs, PAHs, and Metals.

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 9
TOTAL DEPTH (Feet) 15
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/48		S-1		ASPHALT			
1						2-14" Gray sub-base fine SAND, trace fine gravel, very slightly moist, no odor, no staining.	0.0	TRC-25 (1) 1050	
2						14-44" Orange-brown fine SAND, some silt, trace fine to medium gravel, slightly moist, no odor, no staining.			
3									
4									
5						44-46" Brown SILT, some fine sand, moist, no odor, no staining.			
	N/A	60/36		S-2		46-48" Black organic PEAT with trace possible ash, no odor, no staining.		TRC-25 (5) 1100	
6						0-36" Gray-tan-brown fine SAND, some silt, trace fine to medium gravel, moist to wet, no odor, no staining.			
7							0.0		No Monitoring Well Installed
8								TRC-25 (8) 1105	
9									▼
10									
	N/A	60/24		S-3		0-24" Gray-brown fine SAND, little silt and medium to coarse sand, trace fine gravel, wet, no odor, no staining.			
11									
12							0.0	TRC-25 (12) HOLD 1110	
13									
14									
15						End of Boring @ 15 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-26
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/22/09
LOCATION North of southern former KJH Building
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES Samples analyzed for PCBs, PAHs, and Metals.

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 10.5
TOTAL DEPTH (Feet) 15
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1	N/A	60/40		S-1		0-40" Orange to gray-brown fine SAND, some silt, trace fine to medium gravel and medium sand, slightly moist, no odor, no staining.	0.0	TRC-26 (1) 1130	
5	N/A	60/40		S-2		0-40" Tan-gray-brown fine SAND, some silt, trace medium sand and fine to medium gravel, dense, moist to wet, no odor, no staining.	0.0	TRC-26 (5) 1135	No Monitoring Well Installed
9								TRC-26 (9) 1140 plus MS/MSD	
10	N/A	60/40		S-3		0-32" Tan-brown fine SAND, some silt, trace fine gravel, wet, no odor, no staining.	0.0	TRC-26 (12) HOLD 1145	
14						32-40" Gray fine SAND and fine GRAVEL, moist to wet, no odor, no staining.			
15						End of Boring @ 15 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-27
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/22/09
LOCATION Approx. 200 feet north-northwest of TRC-26 location
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES Samples analyzed for PCBs, PAHs, and Metals.

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 10
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/40		S-1		0-20" Orange-brown fine SAND, some silt, organic layer at 8-10", trace fine gravel, slightly moist, no odor, no staining.	0.0	TRC-27 (1) 1210	No Monitoring Well Installed
1									
2									
3						20-24" Pulverized fine GRAVEL.			
						24-40" Orange-brown fine SAND with some silt, trace fine gravel, slightly moist, no odor, no staining.			
4									
5	N/A	60/36		S-2		0-12" Fine SAND with pulverized fine to medium GRAVEL.		TRC-27 (5) 1215	
6							0.0		
7						12-36" Brown to orange-brown SILT and fine SAND, moist to wet at tip, trace fine gravel, dense, no odor, no staining.		TRC-27 (7) 1220	
8									
9									
10						End of Boring @ 10 feet (refusal)		TRC-27 (10) HOLD 1225	

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-28
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/26/09
LOCATION Approx. 15 feet south of TRC-1
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A
NOTES Samples analyzed for PCBs, PAHs, and Metals. Collect duplicate of TRC-28(4.5) called TRC-28D(4.5)

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/30		S-1		ASPHALT			
						2-6" Gray sub-base fine SAND.	0.0		
1						6-20" Orange-brown fine SAND, little silt and medium sand, slightly moist, trace fine gravel, no odor, no staining.		TRC-28 (1) 1005	
2									
3									
						20-23" Brown fine SAND, some silt, slightly moist, no odor, no staining.			
4						23-27" FILL (ash, coal, trace slag and glass).			
						27-30" Dark-brown organic PEAT, slightly moist, no odor, no staining.		TRC-28 (4.5) 1010	
5	N/A	60/30		S-2		0-12" Dark-brown organic PEAT, moist, no odor, no staining.		TRC-28D (4.5) 1000	No Monitoring Well Installed
6									
							0.0		
7						12-30" Gray fine SAND, some silt, wet, no odor, no staining.			
8								TRC-28 (7.5) 1015	▼
9									
10		36/20		S-3		0-20" Orange fine to medium SAND, trace to little coarse sand, little silt, trace fine gravel, wet, no odor, no staining.		TRC-28 (12) HOLD 1020	
11									
12							0.0		
13						End of boring @ 13 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-29
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/26/09
LOCATION Approximately 15 feet West of TRC-1 (KJH Parking Lot)
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES Samples analyzed for PCBs, PAHs, and Metals.

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/30		S-1		ASPHALT			
1						2-8" Gray sub-base fine SAND.	0.0		
2						8-18" Orange-brown fine SAND, little silt, trace fine gravel, slightly moist, no odor, no staining.		TRC-29 (1) 1045	
3						18-30" Brown SILTY matrix with FILL material (ash, coal, trace slag and glass), very slightly moist, no odor, no staining.			
4									
5	N/A	60/30		S-2		0-8" Dark-brown to black organic PEAT/SILT, trace roots, slightly moist to moist, no odor, no staining.		TRC-29 (5) 1050	
6							0.0		
7						8-30" Gray fine SAND, little silt and medium to coarse sand, trace fine gravel, moist to wet, no odor, no staining.			No Monitoring Well Installed
8								TRC-29 (8) 1055	▼
9									
10		36/24		S-3		0-24" Orange-brown fine to medium SAND, little course sand, trace to little silt and fine gravel, wet, no odor, no staining.		TRC-29 (12) HOLD 1100	
11									
12							0.0		
13						End of boring @ 13 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-30
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/26/09
LOCATION Approximately 10 feet West of TRC-25
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 7.5
TOTAL DEPTH (Feet) 13
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/42		S-1		ASPHALT 2-22" Gray fine SAND, some silt, trace fine gravel, very slightly moist, no odor, no staining.			
1 2									
3 4						22-42" Orange-brown fine SAND, little silt, trace fine to coarse gravel, thin (<1") organic silt layers at ~32" and 34", slightly moist, no odor, no staining.	0.0		
5	N/A	60/40		S-2		0-2" Pulverized GRAVEL. 2-30" Orange-brown fine to medium SAND, little coarse sand and silt, trace fine gravel, moist to wet, no odor, no staining.			No Monitoring Well Installed
6 7 8							0.0		
9						30-40" Tan-brown fine SAND and SILT, trace medium sand, wet, no odor, no staining.			
10 11	N/A	36/36		S-3		0-36" Orange-tan-brown fine to medium SAND, little coarse sand and silt (mainly in bottom 6"), wet, no odor, no staining.			
12							0.0		
13						End of boring 13 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-31
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/26/09
LOCATION Approximately 10 feet east of TRC-25
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/48		S-1		ASPHALT			
1						2-18" Gray-brown fine SAND, some silt, very slightly moist, no odor, no staining.			
2						18-22" Dark-brown SILT and fine SAND.			
3						22-38" Orange-brown SILT and fine SAND, trace fine to medium gravel, slightly moist, no odor, no staining.	0.0		
4						38-48" Dark-gray-brown SILT and fine SAND, trace fine gravel, moist, no odor, no staining.			
5	N/A	60/36		S-2		0-6" Dark-brown-black organic PEAT/SILT, moist, no staining, slight organic odor.			No Monitoring Well Installed
6						6-24" Gray SILT, some fine sand, trace clay and fine gravel, moist, no odor, no staining.			
7									
8							0.0	▼	
9						24-36" Orange-brown fine SAND, some silt, trace fine to medium gravel, wet, no odor, no staining.			
10						End of boring 10 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-32
TRC GEOLOGIST K. Kitchin/E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 1/21/09
LOCATION Approximately 10 feet West of TRC-40
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6200 DT Track-Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) Unknown
TOTAL DEPTH (Feet) 7
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/36		S-1		Brown organic SILT, trace grass and roots, trace fine gravel.		N/A	
1						Light Brown fine to medium SAND, some pulverized gravel, little silt.			
2									
3						Grey fine to medium SAND, damp.	0.0		
4									
5	N/A	24/12		S-2		Grey fine to medium SAND, damp.		N/A	
6							0.0		
7						End of Boring - Terminated at 7 feet.			No Monitoring Well Installed

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-33
TRC GEOLOGIST K. Kitchin/E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 1/21/09
LOCATION Approximately 5 feet East of TRC-40
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6200 DT Track-Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) Unknown
TOTAL DEPTH (Feet) 7
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/48		S-1		Brown organic SILT, trace grass and roots, trace fine gravel.		N/A	
1						Light Brown fine to medium SAND, some fine to medium gravel, dry to damp, no odor, no staining.			
2									
3						FILL material (glass, ash, wood fragments, trace brick, trace metal shards), damp, no odor.	0.0		
4						Dark brown PEAT, moist, no odor, no staining.			
5	N/A	24/12		S-2		Brown fine to medium SAND, moist, no odor, no staining.		N/A	
6							0.0		
7						End of Boring - Terminated at 7 feet.			No Monitoring Well Installed

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-34
TRC GEOLOGIST K. Kitchin/E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 1/21/09
LOCATION Approximately 7.5 feet East of TRC-35
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6200 DT Track-Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 7
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/40		S-1		Dark brown organic SILT, trace roots and grass, trace fine gravel, damp, no odor, no staining.		N/A	
1									
2						Light brown fine to medium SAND, some fine gravel.			
						FILL material (coal, coal slag, ash, glass, and cinders).	0.0		
3						Dark brown to black PEAT, damp, no odor, no staining.			
4									
5	N/A	60/30		S-2		Grey fine SAND and SILT, trace fine gravel.		N/A	No Monitoring Well Installed
6						Grey to brown fine to coarse SAND, some silt, little fine gravel, moist to wet, no odor, no staining.			
7									
8							0.0		
9									
10						End of Boring - Terminated at 10 feet (native).			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-35
TRC GEOLOGIST K. Kitchin/E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 1/21/09
LOCATION Approximately 10 feet East of TRC-36
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6200 DT Track-Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 7
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/30		S-1		Dark brown organic SILT, trace grass and roots.		N/A	
1						Light brown fine to medium SAND, some fine gravel, with wood fragments, damp to moist, no odor, no staining.			
2									
3							0.0		
4									
5	N/A	60/30		S-2		Grey to brown fine to medium SAND and SILT, trace gravel, damp to moist, no odor, no staining.		N/A	No Monitoring Well Installed
6									
7						Grey to orange/rust (possible oxidation reduction zone) fine(+) to coarse SAND, some fine gravel, some silt, moist to wet, no odor, no staining.			▼
8							0.0		
9									
10						End of Boring - Terminated at 10 feet (native).			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-36
TRC GEOLOGIST K. Kitchin/E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 1/21/09
LOCATION Approximately 50 feet North of TRC-40
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6200 DT Track-Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 7
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/30		S-1		Dark brown organic SILT, trace roots, grass, and fine gravel, no odor, no staining.		N/A	
1						Brown fine to medium SAND, some fine gravel (pulverized at 4 feet), damp, no odor, no staining.			
2									
3							0.0		
4									
5	N/A	60/30		S-2		Grey to brown PEAT, some fine to medium sand, moist, no odor, no staining.		N/A	No Monitoring Well Installed
6						Grey fine to medium SAND, wet, no odor, no staining.			
7									▼
8							0.0		
9									
10						End of Boring - Terminated at 10 feet (native).			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-37
TRC GEOLOGIST K. Kitchin/E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 1/21/09
LOCATION Approximately 25 feet East of TRC-38
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6200 DT Track-Mounted
SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 7
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A
NOTES Samples collected analyzed for VOCs, SVOCs, PCBs, PAHs, TPH and Metals (Total and TCLP).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/32		S-1		Dark brown organic SILT, trace roots and grass, trace coal, damp, no odor, no staining.			
1						Brown fine to medium SAND, some silt, trace fine gravel.		TRC-37(1) 1315	
2						FILL material (coal, ash, trace molten glass).			
3							0.0		
4								TRC-37(4-5) 1310	
						Dark brown PEAT, damp to moist, no odor, no staining.			
5	N/A	60/36		S-2		Brown to grey fine to medium SAND, some silt and some fine gravel, trace concrete fragments.			No Monitoring Well Installed
6									
7						Brown to grey fine to coarse SAND, little silt, moist to wet, no odor, no staining.		TRC-37(7) 1320	
8							0.0	Plus MS/MSD	
9									
10						End of Boring - terminated at 10 feet (native).		TRC-37(10) HOLD 1325	

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-38
TRC GEOLOGIST K. Kitchin/E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 1/21/09
LOCATION Approximately 10 feet East of TRC-40
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6200 DT Track-Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 7
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/48		S-1		Dark brown organic SILT, trace grass, roots, and fine gravel, damp, no odor, no staining.		N/A	
1						Light brown fine SAND, dry, no odor, no staining.			
2									
3						FILL material (brick fragments, ash, coal shards), little fine to medium sand.	0.0		
4						Dark brown PEAT.			
5	N/A	60/60		S-2		Dark brown PEAT.		N/A	No Monitoring Well Installed
6						Brown to grey fine to medium SAND, saturated (trace bricks, collapse from above).			
7									▼
8							0.0		
9									
10						End of Boring - Terminated at 10 feet (native).			

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BORING/WELL CONSTRUCTION LOG

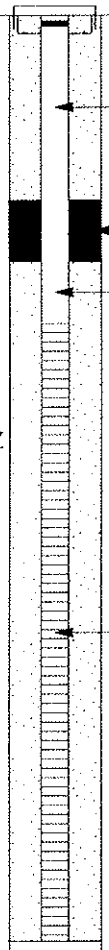
CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-39 / MW TRC-2
TRC GEOLOGIST K. Kitchin/E.Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 1/21/09
LOCATION Approximately 25 feet East of TRC-40
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6200 DT Track Mounted

SCREEN TYPE/SLOT 2-inch Slotted (0.010-inch) PVC
FILTER PACK TYPE Sand
SEAL TYPE Bentonite
DEPTH TO WATER (Approximate Feet) 7
TOTAL DEPTH (Feet) 15
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

NOTES Samples analyzed for VOCs, SVOCs, PCBs, PAHs, TPH, and/or Metals (Total and TCLP). Collect duplicate of TRC 39(1) called TRC-39D(1).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME
	N/A	60/30		S-1		Dark brown organic SILT, little grass and roots, trace coal, damp, no odor, no staining.		
1						Pulverized CONCRETE.		TRC-39(1) 1025
2						FILL material (Coal, slag, glass, and ash), fine to medium sand, damp to moist, little peat mixed in matrix increasing with depth.		
3							0.0	
4								TRC-39(4-5) 1020
5	N/A	60/30		S-2		Dark brown organic SILT/PEAT with root matter, some gravel, wet to saturated.		
6								
7						Grey fine to medium SAND, little silt, saturated, no odor, no staining.		
8							0.0	TRC-39(8) 1030
9								
10	N/A	60/40		S-3		Grey fine to medium SAND, little silt, saturated, no odor, no staining.		
11								
12								TRC-39(12) HOLD 1035
13							0.0	
14								
15						End of Boring - Terminated at 15 feet (native).		

WELL DIAGRAM



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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-40
TRC GEOLOGIST K. Kitchin/E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 1/21/09
LOCATION Approx. 80 feet south of TRC-35
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6200 DT Track-Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 15
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/37		S-1		Brown fine to medium SAND, some silt, trace grass at surface, damp to moist, no odor, no staining.		N/A	
1						Light brown to olive fine to medium SAND, some fine gravel, little silt, trace glass, dry to damp, no odor, no staining.			
2									
3							0.0		
4									
5	N/A	60/35		S-2		Brown PEAT, damp to moist, no odor, no staining.		N/A	
6						Grey fine to medium SAND, wet to saturated, no odor, no staining.			
7									No Monitoring Well Installed
8							0.0		
9									
10	N/A	60/60		S-3		Grey fine to medium SAND, saturated, no odor, no staining.		N/A	
11									
12									
13							0.0		
14									
15						End of Boring - Terminated at 15 feet (native).			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-41
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/26/09
LOCATION Approx. 20 feet from east side of Hathaway Blvd.
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 10
TOTAL DEPTH (Feet) 15
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

NOTES Samples analyzed for PCBs, PAHs, and Metals. Sample TRC-41(5) analyzed for VOCs, SVOCs, PCBs, TPH, and Total/TCLP metals.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
1	N/A	60/24		S-1		0-12" Dark-brown organic TOP SOIL (silt and fine sand), trace roots, fine gravel and glass, trace asphalt debris, no odor, no staining.	0.0	TRC-41 (1) 0905	
3						12-16" Tan-brown fine SAND, trace medium sand, loose, no odor, no staining, very slightly moist.			
4						16-24" Dark-brown fine sand matrix with FILL material (ash, coal, slag, wood debris, trace glass).			
5	N/A	60/18		S-2		0-6" Tan-brown fine SAND, trace medium sand and fine gravel, no odor, no staining, very slightly moist.		TRC-41 (5) 0910	
7						6-10" Dark-brown to black organic PEAT/SILT, slightly moist, no odor, no staining.	0.0		No Monitoring Well Installed
8						10-18" Tan-brown fine SAND, little fine gravel, moist, no odor, no staining.			
9								TRC-41 (9) 0915	
10	N/A	60/36		S-3		0-36" Gray-brown fine SAND, little medium to coarse sand and silt (percentage of silt increases with depth), trace fine gravel, wet, no odor, no staining.			▼
12							0.0		
13								TRC-41 (13) HOLD 0920	
15						End of Boring @ 15 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-42
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/26/09
LOCATION Approx. 15 feet East of TRC-31
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/36		S-1		0-8" Dark-brown fine SAND, some silt, slightly moist, no odor, no staining.		N/A	
1						8-20" Black SILT with trace possible fill (ash, slag, and brick), moist, no odor, no staining.			
2									
3						20-36" Tan-brown fine SAND and SILT, with trace fine gravel, moist, no odor, no staining.	0.0		
4									
5	N/A	60/36		S-2		0-12" Tan-brown fine SAND and SILT, with trace fine gravel, moist, no odor, no staining.		N/A	No Monitoring Well Installed
6									
7						12-18" Black organic PEAT/SILT, moist to wet, no odor, no staining.			
8						18-36" Gray-Tan-brown fine SAND, some silt, trace medium sand and fine gravel, wet, no odor, no staining.	0.0		▼
9									
10						End of Boring @ 10 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-43
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/26/09
LOCATION Approx. 15 feet East of TRC-42
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 7
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

NOTES Samples analyzed for PCBs, PAHs, and Metals. Collected Duplicate of TRC-43(4) called TRC-43D(4).

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/42		S-1		ASPHALT			
1						2-16" Gray-tan-brown fine SAND and SILT, trace fine gravel, no odor, no staining.	0.3	TRC-43 (1) 1315	
2						16-28" Dark-brown SILT with little fill (glass and coal), slightly moist, no odor, no staining.			
3									
						28-31" WOOD Debris			
4						28-42" FILL material (ash, coal, trace bricks, slag and glass), moist, no odor, no staining.		TRC-43 (4) 1320 TRC-43D (4) 1300	
5	N/A	60/30		S-2		0-8" Dark-brown organic PEAT/SILT, moist to wet, no odor, no staining.			No Monitoring Well Installed
6							0.0		
7						8-30" Gray to tan-brown fine SAND, some silt (percentage increases with depth), wet, no odor, no staining.			▼
8								TRC-43 (8) 1325	
9									
10						End of Boring @ 10 feet (native)		TRC-43 (10) HOLD 1330	

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-44
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/26/09
LOCATION Approx. 30 feet south of TRC-18
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 9.5
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/26		S-1		0-8" Dark-brown organic TOPSOIL (silt and fine sand), trace roots, very slightly moist, no odor, no staining.		N/A	
1									
2						8-26" Orange-brown fine SAND, some silt, trace fine to medium gravel, slightly moist, no odor, no staining.			
3							0.0		
4									
5	N/A	60/36		S-2		0-6" Orange-brown fine SAND, some silt, trace fine to medium gravel, slightly moist, no odor, no staining.		N/A	No Monitoring Well Installed
6						6-24" Gray-brown fine SAND and SILT with organic layers (~2" thick) at approximatly 20" and 24", moist, no odor, no staining.			
7									
8							0.0		
9						24-36" Gray fine SAND and SILT, wet, no odor, no staining.			▼
10						End of Boring @ 10 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-45
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/26/09
LOCATION Approx. 30 feet south of TRC-17
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT Truck Mounted
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/48		S-1		0-18" Dark-brown organic TOPSOIL, trace roots, slightly moist, no odor, no staining.		N/A	
1									
2						18-42" Tan-orange-brown fine SAND and SILT, trace fine gravel, slightly moist, no odor, no staining.	0.0		
3									
4									
5						42-48" Dark-brown-black organic SILT with trace to little fill material (slag, coal, possible ash), very slightly moist, no odor, no staining.			No Monitoring Well Installed
	N/A	60/30		S-2		0-30" Gray to tan-brown fine SAND, little silt and medium to coarse sand, trace fine gravel, moist to wet, no odor, no staining.		N/A	
6									
7									
8							0.0		▼
9									
10						End of Boring @ 10 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-46
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/H. Rembijas
DATE DRILLED 1/26/09
LOCATION Approx. 25 feet west of TRC-45
SAMPLING METHOD 5-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 6600 DT
NOTES No Samples Collected

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8.5
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	60/48		S-1		0-18" Dark-brown organic TOPSOIL (silt and fine sand), trace roots, slightly moist, no odor, no staining.		N/A	
1									
2						18-46" Tan-orange-brown fine SAND and SILT, trace fine gravel, slightly moist, no odor, no staining.	0.0		
3									
4									
5	N/A	60/24		S-2		46-48" Thin organic layer (dark-brown SILT) with pulverized GRAVEL, no odor, no staining.		N/A	No Monitoring Well Installed
6						0-8" Dark-brown organic PEAT/SILT, trace roots, moist, no odor, no staining.			
7						8-24" Gray fine SAND, some silt, trace medium sand, wet, no odor, no staining.	0.0		
8									
9									
10						End of Boring @ 10 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-47
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 1/29/09
LOCATION Approx. 20 feet northwest of TRC-17
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Mounted
NOTES Samples analyzed for PAHs and Metals (Total and TCLP).

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 7
TOTAL DEPTH (Feet) 12
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/40		S-1		0-24" Dark-brown organic TOPSOIL, trace roots and fine gravel, slightly moist, no odor, no staining.	0.0	TRC-47 (1) 1000	No Monitoring Well Installed
1									
2									
						24-38" Tan-orange-brown fine SAND, some silt, very slightly moist, no odor, no staining.			
3									
4						38-40" Dark-brown to black organic SILT, slightly moist, no odor, no staining.			
	N/A	48/30		S-2		0-12" Dark-brown to black organic PEAT/SILT with trace to little fill (ash with layers of flakey material), moist, no odor, no staining.	0.0	TRC-47 (5) 1005	
5				S-2					
6						12-30" Gray-brown fine SAND, some silt, moist to wet, no odor, no staining.			
7									▼
8		48/24		S-3		0-24" Gray changing to orange-brown, fine to medium SAND, trace coarse sand and fine to medium gravel, wet, no odor, no staining.		TRC-47 (8) 1010	
9									
10									
11								TRC-47 (11) HOLD 1015	
12						End of Boring @ 12 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-48
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 1/29/09
LOCATION Approx. 15 feet east of TRC-17
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Mounted

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 12
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

NOTES Samples analyzed for PAHs and Metals (Total and TCLP). Collected duplicate of TRC-48(4) called TRC-48D.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/36		S-1		0-24" Dark-brown organic TOPSOIL and fine SAND, trace fine to medium gravel, slightly moist, no odor, no staining.	0.0	TRC-48 (1) 1055	No Monitoring Well Installed
1									
2									
3						24-36" Black SILT matrix with FILL material (ash, coal, slag, trace glass), slightly moist, no odor, no staining.			
4	N/A	48/24		S-2		0-12" Dark-brown to black organic PEAT, trace ash at top, 2", moist, no odor, no staining.	0.0	TRC-48 (4) 1100 TRC-48D 1050	
5									
6						12-24" Gray fine SAND, little silt and medium to coarse sand, trace fine gravel, moist to wet, no odor, no staining.			
7									
8	N/A	48/36		S-3		0-24" Gray fine SAND, little medium sand and fine to medium gravel, wet, no odor, no staining.		TRC-48 (8) 1105	
9									
10							0.0		
11						24-36" Orange-brown fine to medium SAND, little coarse sand, trace fine gravel, wet, no odor, no staining.			
12						End of Boring @ 12 feet (native)		TRC-48 (12) HOLD 1110	

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-49
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 1/29/09
LOCATION Approx. 15 feet southwest of TRC-17
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Mounted
NOTES Samples analyzed for PAHs and Metals (Total and TCLP).

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 7
TOTAL DEPTH (Feet) 12
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/24		S-1		0-12" Dark-brown organic TOPSOIL, trace roots, fine gravel and red plastic, slightly moist, no odor, no staining.	0.0	TRC-49 (1) 1030	No Monitoring Well Installed
1									
2						12-14" Pulverized GRAVEL.			
3						14-22" Tan-brown fine SAND, some silt, slightly moist, no odor, no staining.			
4	N/A	48/20		S-2		22-24" Black organic SILT/ PEAT, slightly moist, no odor, no staining.			
5						0-8" Black organic PEAT with little fill (brick and ash), moist, no odor, no staining.	0.0	TRC-49 (5) 1035	
6						8-20" Gray-brown (with oxy-red. rust coloration) fine SAND, little silt, trace fine gravel, wet, no odor, no staining.			
7									
8	N/A	48/36		S-3		0-36" Tan-orange-brown fine to medium SAND, little silt, trace fine to medium gravel, wet, no odor, no staining.	0.0	TRC-49 (8) 1040 MS/MSD/DUP	
9									
10									
11								TRC-49 (11) HOLD 1045	
12						End of Boring @ 12 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-50
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 1/29/09
LOCATION Approx. 15 north of TRC-37
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Mounted
NOTES Samples analyzed for Metals (Total and TCLP).

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 7
TOTAL DEPTH (Feet) 10
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/30		S-1		0-10" Dark-brown organic TOPSOIL, trace roots, very slightly moist, no odor, no staining.	0.0	TRC-50 (1) 1130	
1									
2						10-22" Tan fine SAND, some silt, very slightly moist, trace fine gravel, no odor, no staining.			
3						22-30" FILL materiial (ash, coal, slag and glass), slightly moist, no odor, no staining.			
4	N/A	48/24		S-2		0-6" Black organic PEAT/SILT, moist, no odor, no staining.	0.0	TRC-50 (4) 1135 MS/DUP	No Monitoring Well Installed
5						6-24" Gray-orange-brown fine to medium SAND, trace silt and coarse sand and fine to medium gravel, wet, no odor, no staining.			
6									
7								TRC-50 (7) 1140	
8	N/A	24/24		S-3		0-24" Gray-brown fine to medium SAND, little coarse sand, trace fine to medium gravel, wet, no odor, no staining.	0.0		
9									
10						End of Boring @ 10 feet (refusal) (native)		TRC-50 (10) HOLD 1145	

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-51
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 1/29/09
LOCATION Approx. 15 east of TRC-37
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Mounted
NOTES Samples analyzed for Metals (Total and TCLP).

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 8
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/36		S-1		0-12" Dark-brown organic TOPSOIL (silt and fine sand), trace fine gravel, slightly moist, no odor, no staining.	0.0	TRC-51 (1) 1245	No Monitoring Well Installed
1									
2						12-24" Dark-brown fine SAND, some silt, trace pulverized gravel, slightly moist, no odor, no staining.			
3						24-36" FILL material (ash, coal, wood debris, slag, trace glass and oxy-red. zones), slightly moist, no odor, no staining.			
4	N/A	48/30		S-2		0-10" Black organic PEAT, moist, (some ash collapse at surface), no odor, no staining.		TRC-51 (4) 1250	
5									
6						10-30" Gray-brown fine to medium SAND, trace silt, coarse sand and fine to medium gravel, moist to wet, no odor, no staining.	0.0		
7								TRC-51 (7) 1255	
8						End of Boring @ 8 feet (lost/broke core barrel off in borehole)		TRC-51 (8) HOLD 1305	

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-52
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 1/29/09
LOCATION Approx. 15 south of TRC-37
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Mounted
NOTES Samples analyzed for Metals (Total and TCLP).

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 11.5
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/40		S-1		0-18" Dark-brown organic TOPSOIL (silt and fine sand), trace roots, slightly moist, no odor, no staining.	0.0	TRC-52 (1) 1200	
1									
2						18-30" Tan fine SAND, some silt, trace fine gravel, slightly moist, no odor, no staining.			
3						30-40" FILL material (ash, coal, slag and trace glass), slightly moist, no odor, no staining.			
4	N/A	48/20		S-2		0-2" Collapse (FILL material)		TRC-52 (4) 1205	
5						2-6" Dark-brown to black organic PEAT, very moist, no odor, no staining.	0.0		
6						6-20" Gray to orange-brown (oxy-red. zone) fine SAND, little silt and medium sand, moist to wet, no odor, no staining.			No Monitoring Well Installed
7								TRC-52 (7) 1215	
8	N/A	42/20		S-3		0-20" Gray-brown fine to medium SAND, little coarse sand, trace fine to medium gravel, wet, no odor, no staining.	0.0		
9									
10									
11								TRC-52 (11) HOLD 1220	
						End of Boring @ 11.5 feet (refusal) (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-53
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 1/29/09
LOCATION Approx. 15 north of TRC-39
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Mounted
NOTES Samples analyzed for Metals (Total and TCLP).

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 7-8
TOTAL DEPTH (Feet) 12
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/36		S-1		0-12" Dark-brown organic TOPSOIL (silt and fine sand), trace roots, very slightly moist, no odor, no staining.	0.0	TRC-53 (1) 1320	No Monitoring Well Installed
1									
2						12-32" Tan-brown fine SAND, some silt, trace fine gravel, very slightly moist, no odor, no staining.			
3									
4						32-36" FILL material (ash, coal, concrete and glass), slightly moist, no odor, no staining.			
	N/A	48/24		S-2		0-12" Dark-brown to black organic PEAT, trace roots, moist, no odor, no staining.	0.0	TRC-53 (4) 1325	
5									
6						12-24" Gray-brown fine SAND, some silt, trace fine gravel, wet, no odor, no staining.		TRC-53 (6) 1330	
7									
8									
	N/A	48/30		S-3		0-4" Collapse (fine to medium SAND)	0.0		
9						4-30" Gray fine SAND and SILT, wet, no odor, no staining.			
10									
11								TRC-53 (11) HOLD 1335	
12						End of Boring @ 12 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-54
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 1/29/09
LOCATION Approx. 15 east of TRC-39
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Mounted
SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 12
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A
NOTES Samples analyzed for Metals (Total and TCLP). Collect duplicate of TRC-54(4) called TRC-54D.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/30		S-1		0-10" Dark-brown organic TOPSOIL (silt and fine sand), trace roots, very slightly moist, no odor, no staining.	0.0	TRC-54 (1) 1345	
1									
						10-12" BRICK debris			
2						12-18" Tan-brown fine SAND, some silt, slightly moist, no odor, no stainng.			
						18-20" Pulverized fine GRAVEL.			
3						20-30" FILL material (ash, coal, slag, and trace glass), slightly moist to moist, no odor, no staining.			
4	N/A	48/24		S-2		0-18" Dark-brown to balck PEAT, trace roots, moist, no odor. no staining.	0.0	TRC-54 (4) 1350 TRC-54D 1340	No Monitoring Well Installed
5									
6									
7						18-24" Gray fine SAND and SILT, wet, no odor, no staining.		TRC-54 (7) 1355	
8	N/A	48/24		S-3		0-24" Gray fine SAND and SILT, wet, no odor, no staining.	0.0		
9									
10								TRC-54 (10) HOLD 1400	
11									
12						End of Boring @ 12 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER TRC-55
TRC GEOLOGIST J. Saunders
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 1/29/09
LOCATION Approx. 15 south of TRC-39
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Mounted
NOTES Samples analyzed for Metals (Total and TCLP).

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 7
TOTAL DEPTH (Feet) 12
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/36		S-1		0-12" Dark-brown organic TOPSOIL, trace roots, slightly moist, no odor, no staining.	0.0	TRC-55 (1) 1410	
1									
2						12-16" Tan-brown fine SAND, some silt, trace fine gravel, slightly moist, no odor, no staining.			
						16-36" FILL material (ash, coal, slag, brick, trace glass).			
3									
4								TRC-55 (3.5) 1415	
	N/A	48/18		S-2		0-8" Black organic PEAT, very moist, no odor, no staining.	0.0		
5									
6						8-18" Gray fine to medium SAND, trace coarse sand and fine gravel, wet, no odor, no staining.			No Monitoring Well Installed
7									
8									
	N/A	48/30		S-3		0-30" Gray fine SAND and SILT, wet, no odor, no staining.	0.0	TRC-55 (8) 1420	
9									
10								TRC-55 (10) HOLD 1425	
11									
12						End of Boring @ 12 feet (native)			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER UST-5C
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 11/14/08
LOCATION Former KJHS
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Rig
NOTES Samples UST-5C(5-7) and UST-5C(11-12) analyzed for EPH.

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 12
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/29		S-1		3" Tan medium to coarse SAND.			
1						6" Urban FILL material (coal, ash, and glass fragments).			
						17" Dark brown fine SAND.			
2							0.2		
3									
4	N/A	48/30		S-2		15" Brown fine SAND and SILT, some gravel.			
5							0.2	UST-5C (5-7') 1315	
6						5" Dark brown PEAT.			No Monitoring Well Installed
7						10" Gray fine SAND with rust banding.			
8	N/A	48/20		S-3		20" Tan fine to coarse SAND and GRAVEL, saturated, no odor.			
9									
10							0.0		
11								UST-5C (11-12') 1330	
12						End of Boring @ 12 feet			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER UST-2N
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 11/14/08
LOCATION Former KJHS
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Rig

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 9
TOTAL DEPTH (Feet) 12
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

NOTES Sample UST-2N(5-7) analyzed for EPH and Lead. Sample UST-2N(5-7) analyzed for EPH.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/32		S-1		3" Tan medium to coarse SAND.			
1						13" Dark brown fine SAND and SILT, trace gravel.			
2						1" White crushed STONE.	0.0		
3						15" Dark brown fine SAND.			
4	N/A	48/30		S-2		4" Dark brown fine SAND.			
5						6" Urban FILL material (coal, ash and glass fragments).	0.2	UST-2N (5-7') 1030 plus MS/MSD	
6						20" Gray fine to medium SAND.			No Monitoring Well Installed
7									
8	N/A	48/28		S-3		18" Gray fine to medium SAND, saturated.			
9									▼
10							0.0		
11						20" Tan fine to coarse SAND and GRAVEL.		UST-2N (11-12') 1045	
12						End of Boring @ 12 feet			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER UST-1S
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 11/14/08
LOCATION Former KJHS
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Rig
NOTES Samples analyzed for EPH.

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 12
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/23		S-1		14" Light brown/gray fine SAND, SILT and GRAVEL.			
1									
2							1.2		
						6" Brown fine SAND, SILT and PEBBLES.			
3									
						1" Tan fine to coarse SAND.			
4						2" Brown fine SAND and SILT.			
	N/A	48/31		S-2		12" Brown fine to coarse SAND.	0.1		
5								UST-2S (5-7') 1220	
						4" Dark brown to black SILT and CLAY.			
6						15" Gray fine SAND with rust banding.			No Monitoring Well Installed
7									
8									
	N/A	48/30		S-3		6" Brown fine to coarse SAND, some pebbles, wet.			
9						24" Tan fine SAND with some medium and coarse sand, some gravel, saturated.			
10							0.2		
11								UST-2S (11-12') 1230	
12						End of Boring @ 12 feet			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER UST-4E
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 11/14/08
LOCATION Former KJHS
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Rig
NOTES Samples UST-4E(5-7) and UST-4E(11-12) analyzed for EPH.

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 9
TOTAL DEPTH (Feet) 12
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/28		S-1		2" Brown-tan fine to coarse SAND.			
1						26" Gray fine, medium and coarse SAND and GRAVEL.			
2							0.1		
3									
4	N/A	48/33		S-2		33" Gray fine to coarse SAND and GRAVEL, no odor.			
5							0.2	UST-4E (5-7')	
6									No Monitoring Well Installed
7									
8	N/A	48/18		S-4		2" Gray fine to coarse SAND and GRAVEL, moist.			
9						16" Brown medium to coarse SAND, with some fine sand, saturated.			▼
10							0.1		
11								UST-4E (11-12')	
12						End of Boring @ 12 feet			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER UST-3E
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 11/14/08
LOCATION Former KJHS
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Rig
SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 9
TOTAL DEPTH (Feet) 14
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A
NOTES Samples UST-3E(1-3) and UST-3E(11-12) analyzed for EPH and Lead. Sample UST-3E(5-7) analyzed for EPH.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/32		S-1		2" Brown to tan fine to coarse SAND. 30" Gray fine to coarse SAND and GRAVEL.	2.9	UST-3E (1-3') 1140	No Monitoring Well Installed
1, 2, 3, 4									
	N/A	48/30		S-2		30" Gray fine to coarse SAND and GRAVEL, slight petroleum odor at the bottom of the spoon.	1.0	UST-3E (5-7') 1150	
5, 6, 7, 8									
	N/A	48/18		S-3		4" Brown fine to medium SAND, slight petroleum odor.			
9						14" Brown medium-coarse SAND with some fine sand, saturated, sheen and slight petroleum odor.	29.1	UST-3E (11-12') 1200 UST-6ED (11-12')	
10, 11, 12									
	N/A	24/11				11" Brown medium-coarse SAND with some fine sand, saturated, slight odor.	5.5		
13, 14									
						End of Boring @ 14 feet			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER UST-4W
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 11/14/08
LOCATION Former KJHS
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Rig

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 12
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

NOTES Samples UST-4W(1-3) and UST-4W(11-12) analyzed for EPH and Lead. Sample UST-4W(5-7) analyzed for EPH.

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/27		S-1		12" Tan fine to coarse SAND and GRAVEL.		UST-4W (1-3) 1140	
1									
2						15" Brown fine SAND and SILT, trace gravel.	0.2		
3									
4	N/A	48/27		S-2		16" Brown fine SAND, SILT, and GRAVEL.	0.2		
5								UST-4W (5-7) 1150	
6									No Monitoring Well Installed
7						5" Gray fine SAND.			
8	N/A	48/25		S-3		1" Orange medium SAND. 2" Crushed STONE. 3" Tan fine SAND, SILT, and GRAVEL. 1" Brown SILT and fine SAND, saturated. 24" Tan fine to coarse SAND and GRAVEL, very dense and wet.	0.0		
9									
10									
11								UST-4W (11-12') 1200	
12						End of Boring @ 12 feet			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER Lead-1
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 11/14/08
LOCATION Former KJHS
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Rig
NOTES Samples analyzed for Lead.

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) N/A
TOTAL DEPTH (Feet) 4
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/26		S-1		1" Tan fine to coarse SAND.	N/A	Lead-1 (1-3') 0945	No Monitoring Well Installed
1						12" Dark brown fine SAND and SILT.			
2						13" Tan to gray fine SAND, trace gravel.			
3									
4						End of Boring @ 4 feet			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER Lead-2
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 11/14/08
LOCATION Former KJHS
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Rig
NOTES Samples analyzed for Lead.

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) N/A
TOTAL DEPTH (Feet) 4
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/26		S-1		1" Tan fine to coarse SAND.	N/A		
1						12" Dark brown fine SAND and SILT.		Lead-2 (2-3') 0935	
2						13" Tan to gray fine SAND, trace gravel.			No Monitoring Well Installed
3									
4						End of Boring @ 4 feet			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER Lead-3
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 11/14/08
LOCATION Former KJHS
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Rig
NOTES Samples analyzed for Lead.

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) N/A
TOTAL DEPTH (Feet) 4
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/33		S-1		9" Tan fine to coarse SAND and GRAVEL.	N/A	Lead-3 (1-3') 0925	No Monitoring Well Installed
1						8" Dark brown fine SAND and SILT.			
2						3" Tan fine SAND.			
3						13" Urban FILL material (glass fragments).			
4						End of Boring @ 4 feet			

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BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER Lead-4
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 11/14/08
LOCATION Former KJHS
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Rig
NOTES Samples analyzed for Lead.

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) N/A
TOTAL DEPTH (Feet) 4
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/35		S-1		5" Brown SILT, fine SAND, and organic material.	N/A	Lead-3 (1-2.5) 0915	No Monitoring Well Installed
1						14" Brown fine SAND and SILT, trace coal and ash.			
2									
3						16" Urban FILL (coal, coal ash with a rust band at bottom).			
4						End of Boring @ 4 feet			

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650 Suffolk Street
Lowell MA
Telephone: 978-970-5600
Fax: 978-453-1995

BORING/WELL CONSTRUCTION LOG

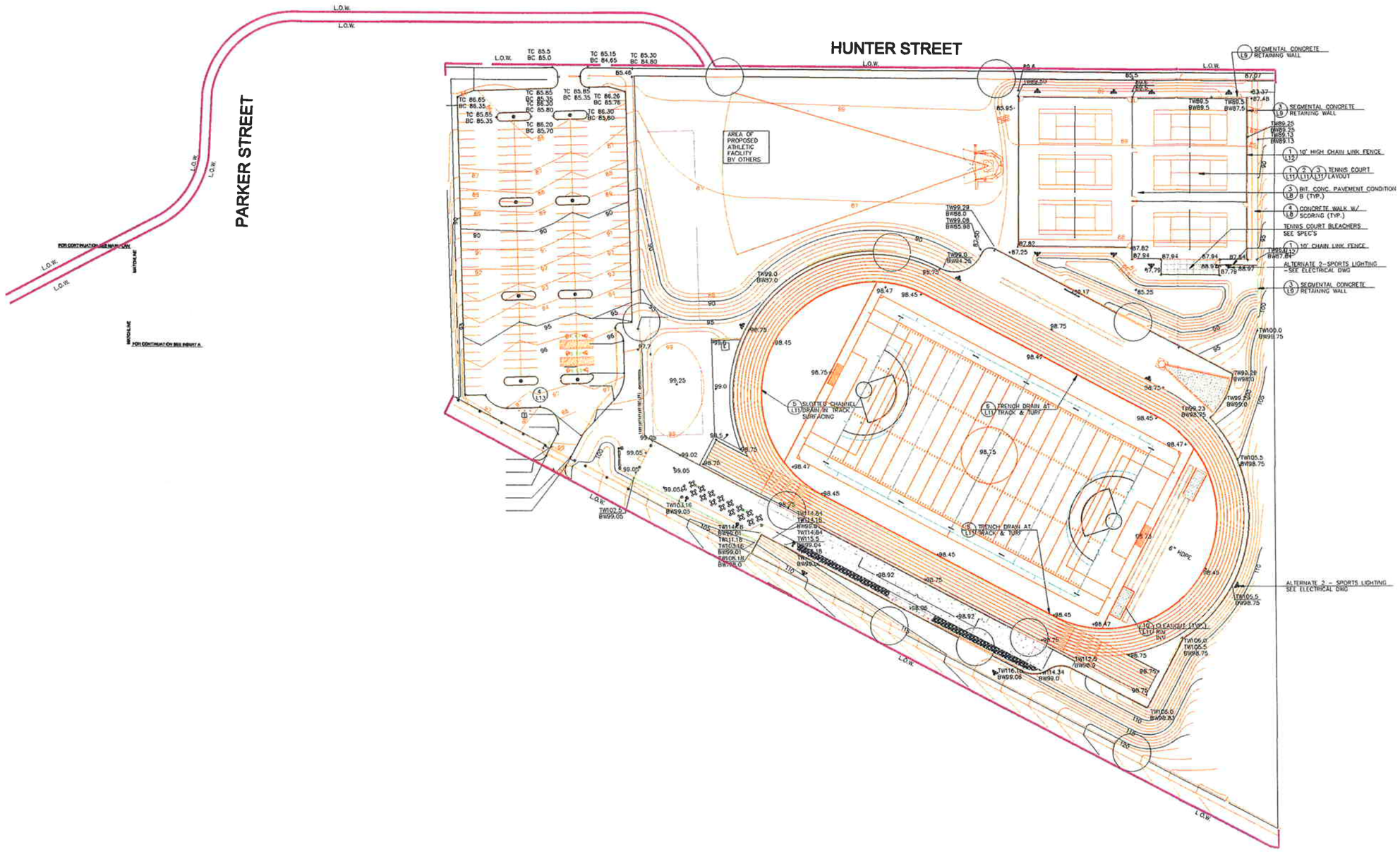
CLIENT/PROJECT NUMBER City of New Bedford/115058
BORING/WELL NUMBER Lead-5
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/B. Meadows
DATE DRILLED 11/14/08
LOCATION Former KJHS
SAMPLING METHOD 4-foot Macrocore (2-inch diameter)
DRILLING METHOD Direct Push/Geoprobe 5400 Truck Rig
NOTES Samples analyzed for Lead.

SCREEN TYPE/SLOT N/A
FILTER PACK TYPE N/A
SEAL TYPE N/A
DEPTH TO WATER (Approximate Feet) N/A
TOTAL DEPTH (Feet) 4
GROUND ELEVATION (Feet, NAVD 88) N/A
REFERENCE ELEVATION (Feet, NAVD 88) N/A

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	TRC ID	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME	WELL DIAGRAM
	N/A	48/26		S-1		12" Dark brown organic material.	N/A	Lead-3 (0-2.5) 0900	No Monitoring Well Installed
1									
2						14" Urban FILL (coal and coal ash).			
3									
4						End of Boring @ 4 feet			

APPENDIX B

ARCHITECT PLANS AND SKETCHES



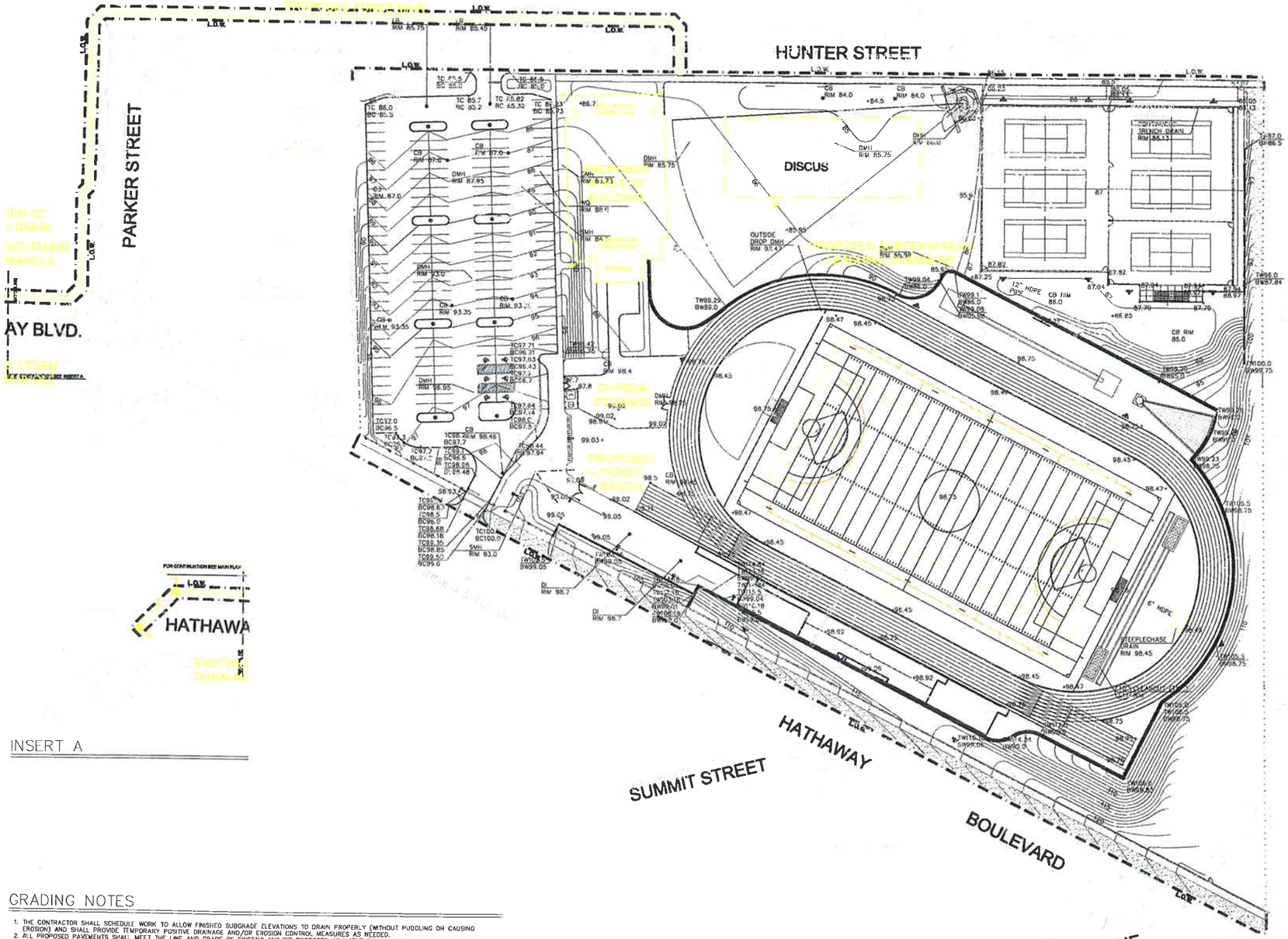
P-SHELL

APPROXIMATE GRAPHIC SCALE
0' 25' 50' 100'

FILE: T:\E_CAD\115058\p-shell 2-6-09.dwg

GRADING LEGEND

CB	4/L13 CATCH BASIN
LB	6/L13 LEACHING BASIN
OMH	7/L13 OVERFLOW MANHOLE
WQ	1/L14 WATER QUALITY INLET MANHOLE
SMH	3/L13 SANITARY SEWER MANHOLE
DMH	5/L13 OUTSIDE DROP MANHOLE
TC 85.73 / BC 85.23	TOP/BOTTOM OF CURB ELEVATION
TW102.5 / BW99.05	TOP/BOTTOM OF WALL ELEVATION
F.F.E. 99.09	FINISH FLOOR ELEVATION PROPOSED BUILDING BY OTHER



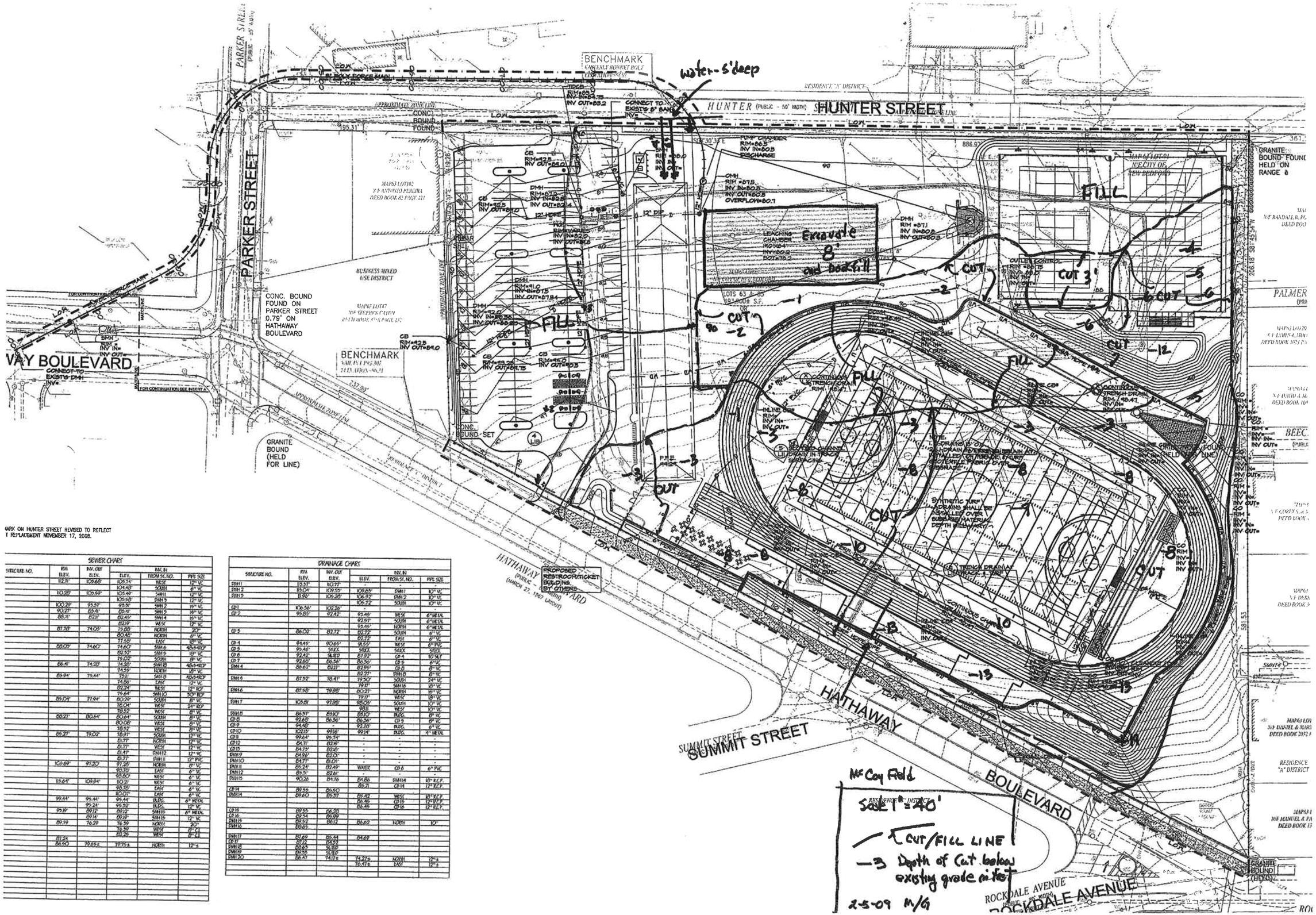
GRADING NOTES

1. THE CONTRACTOR SHALL SCHEDULE WORK TO ALLOW FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY (WITHOUT PUDDLING OR CAUSING EROSION) AND SHALL PROVIDE TEMPORARY POSITIVE DRAINAGE AND/OR EROSION CONTROL MEASURES AS NEEDED.
2. ALL PROPOSED PAVEMENTS SHALL MEET THE LINE AND GRADE OF EXISTING AND/OR PROPOSED ADJACENT PAVEMENTS.
3. SIDEWALK CROSS SLOPES SHALL BE 1.5% MAXIMUM; 1% MINIMUM.
4. THE CONTRACTOR SHALL ESTABLISH GRADE ELEVATIONS AT ALL HANDICAP CURB RAMP LOCATIONS AND SHALL SET TRANSITION LENGTHS IN ACCORDANCE WITH THE APPROPRIATE TABLE IN THE MHD CONSTRUCTION STANDARDS, OR TO THE DETAILS SHOWN ON THE PLANS.
5. THE CONTRACTOR SHALL STAKE AND FORM ALL HANDICAP CURB RAMP JOINTS AND TRANSITION SECTIONS THAT DEFINE GRADE CHANGES FOR REVIEW AND APPROVAL BY THE ARCHITECT PRIOR TO INSTALLING CONCRETE. ALL GRADE CHANGES SHALL BE MADE AT JOINTS.
6. GRADE STAKES INDICATING DEPTH OF LOAM AND LOAM SUBSTRATE SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO COMMENCING FINAL GRADING.
7. THE GENERAL CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIALS AND INSTALL ALL FOUNDATION DRAINS AND UNDER SLAB DRAINS FOR THE BUILDING AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.

△1 1/5/09 ADDENDUM 2 ISSUED
△4 2/11/09 ADDENDUM 6 ISSUED

GRADING PLAN

L3



WORK ON HUNTER STREET REVISED TO REFLECT T REPLACEMENT NOVEMBER 17, 2008.

SEWER CHART

STRUCTURE NO.	RIM ELEV.	INV. OUT ELEV.	INV. IN ELEV.	FROM ST. NO.	PIPE SIZE
	112.71'	105.68'	105.74'	WEST	12" VC
			104.48'	SOUTH	6" VC
	110.28'	105.59'	105.49'	SMH11	12" VC
			105.68'	DMH3	12" VC
	100.29'	95.57'	95.51'	SMH12	15" VC
	90.27'	85.48'	85.49'	SMH5	18" VC
	88.71'	82.11'	82.45'	SMH14	15" VC
			82.19'	WEST	15" VC
	87.38'	74.05'	75.88	NORTH	20"
			80.45'	NORTH	6" VC
			77.55'	EAST	15" VC
	88.05'	74.60'	74.60'	SMH16	40"x48"CP
			82.57'	SMH19	12" VC
			79.02'	SOUTH	8" VC
	86.41'	74.38'	74.38'	SMH18	40"x48"CP
			74.55'	NORTH	18" VC
	85.94'	75.44'	75.1'	SMH18	40"x48"CP
			74.86'	EAST	12" VC
			82.24'	WEST	12" RCP
			79.64'	SMH10	30" RCP
	85.04'	71.94'	80.09'	SOUTH	8" VC
			78.04'	WEST	24" RCP
			78.52'	WEST	8" VC
	88.21'	80.64'	80.64'	SOUTH	8" VC
			80.08'	WEST	8" VC
			78.52'	WEST	8" VC
	86.21'	79.02'	78.97'	SOUTH	12" VC
			81.77'	NORTH	12" VC
			81.77'	WEST	12" VC
			81.47'	DMH12	12" VC
			81.77'	DMH11	12" PVC
	100.69'	97.20	97.28'	NORTH	8" VC
			95.70'	EAST	6" VC
			95.80'	WEST	6" VC
	95.64'	109.94'	110.2'	WEST	6" VC
			96.70'	EAST	6" VC
			100.01'	EAST	6" VC
	99.44'	99.44'	99.44'	BLDG.	6" METAL
		99.24'	99.52'	BLDG.	12" VC
	99.19'	89.12'	89.12'	SMH19	6" METAL
		89.14'	89.18'	SMH19	12" VC
	89.79	76.39	76.59	NORTH	20"
			76.59	WEST	8" CI
			82.26	WEST	8" CI
	81.24				
	86.50	79.85±	79.75±	NORTH	12"±

DRAINAGE CHART

STRUCTURE NO.	RIM ELEV.	INV. OUT ELEV.	INV. IN ELEV.	FROM ST. NO.	PIPE SIZE
DMH1	115.37	107.77			
DMH2	115.04	109.55	109.55'	DMH1	10" VC
DMH3	111.90'	105.28'	106.92'	DMH2	10" VC
			105.72'	SOUTH	10" VC
CB1	106.56'	102.26'			
CB 2	99.88'	97.42'	97.46'	WEST	6" METAL
			97.57'	SOUTH	6" METAL
			97.49'	NORTH	6" METAL
CB 3	88.02'	82.72'	82.72'	SOUTH	8" VC
			82.72'	EAST	6" VC
CB 4	94.49'	90.66'	91.55'	WEST	6" PVC
CB 5	95.46'	91.11'	91.11'	SOUTH	8" VC
CB 6	92.42'	84.82	87.93'	CB 4	10" VC
CB 7	92.60	86.38'	86.50'	CB 6	8" VC
DMH 4	88.62'	82.11'	82.99'	CB 8	8" VC
			82.27'	DMH 8	8" VC
DMH 6	87.52'	78.41'	79.50'	SOUTH	24" VC
			79.11'	SMH16	18" VC
DMH 6	87.58'	79.88'	80.21'	NORTH	18" VC
			79.11'	WEST	18" VC
DMH 7	105.81'	97.88'	98.05'	SOUTH	10" VC
			98.11	WEST	10" VC
DMH 8	86.57'	85.10'	85.10'	BLDG.	8" VC
CB 8	92.85'	86.36'	86.36'	CB 9	8" VC
CB 9	94.88'	-	92.78'	BLDG.	6" VC
CB 10	102.15'	99.16'	99.14'	BLDG.	4" METAL
CB 11	99.64'	95.74'	-	-	-
CB 12	84.71'	82.19'	-	-	-
CB 15	84.75'	82.15'	-	-	-
DMH 9	84.96'	82.01'	-	-	-
DMH 10	84.77'	81.01'	-	-	-
DMH 11	85.24'	82.49'	WEST	CB 6	6" PVC
DMH 12	85.21'	82.61'	-	-	-
DMH 15	90.26	84.76	84.86	DMH14	18" R.C.P.
			85.21	CB 14	12" R.C.P.
CB 14	89.55	86.60			
DMH 14	89.20	85.32	85.42	WEST	18" R.C.P.
			86.46	CB 15	18" R.C.P.
			86.85	CB 16	12" R.C.P.
CB 16	89.55	86.38			
CB 18	89.54	86.99			
DMH 18	89.52	86.12	86.62	NORTH	10"
DMH 16	89.65				
DMH 17	81.69	85.44	84.69		
CB 17	81.12	84.93			
DMH 18	89.65	86.18			
DMH 19	89.55	86.10			
DMH 20	86.47	74.17±	74.27±	NORTH	12"±
			76.47±	EAST	12"±

FILE: T:\E_CAD\115058\e-shell 2-6-09.dwg

NOTES

E-SHELL

APPROXIMATE GRAPHIC SCALE

0' 25' 50' 100'

00+00
01+00
02+00
03+00
04+00
05+00
06+00
07+00
08+00
09+00

APPENDIX C

LABORATORY ANALYTICAL DATA REPORT SHEETS (TRC AND AVAILABLE BETA)

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

<09010119P1>

LRF # 090101191

NORTHEAST ANALYTICAL, INC.
2190 Technology Drive, Schenectady, NY 12308
Telephone (518) 346-4592 Fax (518) 381-6055
www.nealab.com information @nealab.com

DISPOSAL REQUIREMENTS: (To be filled in by Client)
- ○ RETURN TO CLIENT
- ● DISPOSAL BY NORTHEAST ANALYTICAL
- ● ARCHIVAL BY NORTHEAST ANALYTICAL

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO): TRC

PROJECT#/PROJECT NAME: 115058

PROJECT MANAGER: David Sullivan

PROJECT LOCATION (CITY/STATE) ADDRESS: City of New Bedford

PHONE: (978) - 656 - 3565

* Rush: ASAP (48-72 hrs)

SAMPLED BY: (Please Print) Jeff Saunders

REQUIRED TURN AROUND TIME: ~~5 day (TRC standard)~~ JS

SAMPLING FIRM: 650 Suffolk Street Lowell MA, 01854

NAME OF COURIER (IF USED): Fedex

Data Report: ☒ CLP* ☐ Certificates Only

ELECTRONIC RESULTS FORMAT: .PDF ☐ EXCEL (.CSV) ☒

E-MAIL ADDRESS: dsullivan@trcsolutions.com

FAXED RESULTS ☐ FAX #:

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (NEA USE ONLY)	NUMBER OF CONTAINERS	PCBs (8082)	PCB Homologs (JS)						REMARKS:
PRESERVATIVE CODE:									Ice					
BOTTLE TYPE:									Glass					
BOTTLE SIZE:									4 oz					
TRC-1 (1)	1/20/09	1000	Soil	G	AM00616	1	X							Rush 48-72 hour
TRC-1 (5)	↓	1010	↓	↓	AM00617	1	X							turnaround on
TRC-1 (8)		1015			AM00618	1	X							all samples (except
TRC-1 (10) HOLD		1020			AM00619	1	X					(HOLD)		"holds") per
TRC-10 (1)		1415			AM00620	1	X							A. Moore (NEA)
TRC-10 (4)		1420			AM00621	1	X							
TRC-10 (9)	↓	1425	↓	↓	AM00622	1	X							
TRC-10 (12) HOLD	1/20/09	1430	Soil	G	AM00623	1	X					(HOLD)		

PRESERVATIVE KEY: 0 - NONE; 1 - HCL; 2 - HNO3; 3 - H2SO4; 4 - NaOH; 5 - Zn. Acetate; 6 - MeOH; 7 - NaHSO4; 8 - Other _____

AMBIENT OR CHILLED: TEMP: 4.8°C

COC TAPE: (Y) N

PROPERLY PRESERVED: (Y) N

OTHER NOTES:

RECEIVED BROKEN OR LEAKING: Y (N)

COC DISCREPANCIES: Y (N)

RECVD W/I HOLDING TIMES: (Y) N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE [signature]	SIGNATURE Via Fedex	SIGNATURE	SIGNATURE Carrie Barss	SIGNATURE	SIGNATURE
PRINTED NAME Jeff Saunders	PRINTED NAME 800-381-8540	PRINTED NAME	PRINTED NAME Carrie Barss	PRINTED NAME	PRINTED NAME
COMPANY TRC	COMPANY	COMPANY	COMPANY NEA	COMPANY	COMPANY
DATE/TIME 1/20/09 1645	DATE/TIME 1/20/09	DATE/TIME	DATE/TIME 1/21/09 ~~1330~~ CB 1031	DATE/TIME	DATE/TIME

* CLP LIKE DATA PACKAGE ADDITIONAL COST

CERTIFICATE OF ANALYSIS
01/23/2009
TRC ENVIRONMENTAL
WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-1(1)	**NEA ID:** AM00616	**NEA LRF:** 09010119-01
MATRIX:	SOIL	**DATE SAMPLED:** 01/20/2009	**TIME:** 10:00
DATE RECEIVED:	01/21/2009 **TIME:** 10:31	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0520	ug/g	01/22/2009	U
Aroclor 1221	ND	0.0520	ug/g	01/22/2009	U
Aroclor 1232	ND	0.0520	ug/g	01/22/2009	U
Aroclor 1242	ND	0.0520	ug/g	01/22/2009	U
Aroclor 1248	ND	0.0520	ug/g	01/22/2009	U
Aroclor 1254	ND	0.0520	ug/g	01/22/2009	U
Aroclor 1260	ND	0.0520	ug/g	01/22/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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01/23/2009
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WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-1(5)	**NEA ID:** AM00617	**NEA LRF:** 09010119-02
MATRIX:	SOIL	**DATE SAMPLED:** 01/20/2009	**TIME:** 10:10
DATE RECEIVED:	01/21/2009 **TIME:** 10:31	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0566	ug/g	01/22/2009	U
Aroclor 1221	ND	0.0566	ug/g	01/22/2009	U
Aroclor 1232	ND	0.0566	ug/g	01/22/2009	U
Aroclor 1242	ND	0.0566	ug/g	01/22/2009	U
Aroclor 1248	ND	0.0566	ug/g	01/22/2009	U
Aroclor 1254	0.0834	0.0566	ug/g	01/22/2009	AF
Aroclor 1260	ND	0.0566	ug/g	01/22/2009	U
Total PCB Amount > Reporting Limit	0.0834				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
Note: There were several non-target peaks.

AUTHORIZED SIGNATURE:

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Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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TRC ENVIRONMENTAL
WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-1(8)	**NEA ID:** AM00618	**NEA LRF:** 09010119-03
MATRIX:	SOIL	**DATE SAMPLED:** 01/20/2009	**TIME:** 10:15
DATE RECEIVED:	01/21/2009 **TIME:** 10:31	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.163	ug/g	01/22/2009	U
Aroclor 1221	ND	0.163	ug/g	01/22/2009	U
Aroclor 1232	ND	0.163	ug/g	01/22/2009	U
Aroclor 1242	ND	0.163	ug/g	01/22/2009	U
Aroclor 1248	ND	0.163	ug/g	01/22/2009	U
Aroclor 1254	ND	0.163	ug/g	01/22/2009	U
Aroclor 1260	ND	0.163	ug/g	01/22/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: There were several non-target peaks.

AUTHORIZED SIGNATURE:

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Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-10(1)	**NEA ID:** AM00620	**NEA LRF:** 09010119-05
MATRIX:	SOIL	**DATE SAMPLED:** 01/20/2009	**TIME:** 14:15
DATE RECEIVED:	01/21/2009 **TIME:** 10:31	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0546	ug/g	01/22/2009	U
Aroclor 1221	ND	0.0546	ug/g	01/22/2009	U
Aroclor 1232	ND	0.0546	ug/g	01/22/2009	U
Aroclor 1242	ND	0.0546	ug/g	01/22/2009	U
Aroclor 1248	ND	0.0546	ug/g	01/22/2009	U
Aroclor 1254	ND	0.0546	ug/g	01/22/2009	U
Aroclor 1260	ND	0.0546	ug/g	01/22/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-10(4)	**NEA ID:** AM00621	**NEA LRF:** 09010119-06
MATRIX:	SOIL	**DATE SAMPLED:** 01/20/2009	**TIME:** 14:20
DATE RECEIVED:	01/21/2009 **TIME:** 10:31	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0722	ug/g	01/23/2009	U
Aroclor 1221	ND	0.0722	ug/g	01/23/2009	U
Aroclor 1232	ND	0.0722	ug/g	01/23/2009	U
Aroclor 1242	ND	0.0722	ug/g	01/23/2009	U
Aroclor 1248	ND	0.0722	ug/g	01/23/2009	U
Aroclor 1254	ND	0.0722	ug/g	01/23/2009	U
Aroclor 1260	ND	0.0722	ug/g	01/23/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: There were several non-target peaks.

AUTHORIZED SIGNATURE:

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WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-10(9)	**NEA ID:** AM00622	**NEA LRF:** 09010119-07
MATRIX:	SOIL	**DATE SAMPLED:** 01/20/2009	**TIME:** 14:25
DATE RECEIVED:	01/21/2009 **TIME:** 10:31	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.217	ug/g	01/23/2009	U
Aroclor 1221	ND	0.217	ug/g	01/23/2009	U
Aroclor 1232	ND	0.217	ug/g	01/23/2009	U
Aroclor 1242	ND	0.217	ug/g	01/23/2009	U
Aroclor 1248	ND	0.217	ug/g	01/23/2009	U
Aroclor 1254	ND	0.217	ug/g	01/23/2009	U
Aroclor 1260	ND	0.217	ug/g	01/23/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
Note: There were several non-target peaks.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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CHAIN OF CUSTODY RECORD

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<09010124P1>

LRF # 090101241

NORTHEAST ANALYTICAL, INC.
2190 Technology Drive, Schenectady, NY 12308
Telephone (518) 346-4592 Fax (518) 381-6055
www.nealab.com information @nealab.com

DISPOSAL REQUIREMENTS: (To be filled in by Client)
- ○ RETURN TO CLIENT
- ● DISPOSAL BY NORTHEAST ANALYTICAL
- ● ARCHIVAL BY NORTHEAST ANALYTICAL

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO): TRC

PROJECT#/PROJECT NAME: 115058

PROJECT MANAGER: David Sullivan

PROJECT LOCATION (CITY/STATE) ADDRESS: City of New Bedford

PHONE: (978) - 656 - 3565

48-72 hr turnaround *

SAMPLED BY: (Please Print) J. Saunders / H. Rizza

REQUIRED TURN AROUND TIME: ~~5 day (TRC standard)~~

SAMPLING FIRM: 650 Suffolk Street Lowell MA, 01854

NAME OF COURIER (IF USED): Fedex

Data Report: ☒ CLP* ☐ Certificates Only

ELECTRONIC RESULTS FORMAT: .PDF ☐ EXCEL (.CSV) ☒

E-MAIL ADDRESS: dsullivan@trcsolutions.com

FAXED RESULTS ☐ FAX #:

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

PRESERVATIVE CODE	Ice						
BOTTLE TYPE:	Glass						
BOTTLE SIZE:	4 oz						

PRESERVATIVE KEY: 0 - NONE; 1 - HCL; 2 - HNO3; 3 - H2SO4; 4 - NaOH; 5 - Zn. Acetate; 6 - MeOH; 7 - NaHSO4; 8 - Other ____

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (NEA USE ONLY)	NUMBER OF CONTAINERS	PCBs (8082)	PCB Homologs (35)						REMARKS:
TRC-17 (1)	1/21/09	1130	Soil	G	AM00632	1	X							* Rush 48-72 hr
TRC-17 (5)		1135			AM00633	1	X							turnaround for
TRC-17 (7)		1140			AM00634	1	X							all samples per
TRC-17 (12) (HOLD)		1145			AM00635	1	X					(HOLD)		A. Moore (NEA)
TRC-17D (1)		1150			AM00636	1	X							
TRC-39D (1)		925	Soil		AM00637	1	X							
TRC-39 (1)		1025			AM00638	1	X							
TRC-39 (4-5)		1020			AM00639	1	X							
TRC-39 (8)		1030			AM00640	1	X							
TRC-39 (12)	1/21/09	1035	Soil		AM00641	1	X					(HOLD)		

AMBIENT OR CHILLED: TEMP: 5.4°C

COC TAPE: (Y) N

PROPERLY PRESERVED: (Y) N

OTHER NOTES:

RECEIVED BROKEN OR LEAKING: Y (N)

COC DISCREPANCIES: Y (N)

RECVD W/I HOLDING TIMES: (Y) N

	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE	[signature]	Via Fedex		Carrie Barss		
PRINTED NAME	Jeff Saunders	8600-3812-8830		Carrie Barss		
COMPANY	TRC			NEA		
DATE/TIME	1/21/09 1645	1/21/09		1/22/09 1018		

* CLP LIKE DATA PACKAGE ADDITIONAL COST

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

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LRF # <09010124P2> 090101242

DISPOSAL REQUIREMENTS: (To be filled in by Client)
- ○ RETURN TO CLIENT
- ● DISPOSAL BY NORTHEAST ANALYTICAL
- ● ARCHIVAL BY NORTHEAST ANALYTICAL

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO): TRC

PROJECT#/PROJECT NAME: 115058

PROJECT MANAGER: David Sullivan

PROJECT LOCATION (CITY/STATE) ADDRESS: City of New Bedford

PHONE: (978) - 656 - 3565

48-72 hr turnaround *

SAMPLED BY: (Please Print) Jeff Saunders

REQUIRED TURN AROUND TIME: ~~5 day (TRC standard)~~ JS

SAMPLING FIRM: 650 Suffolk Street Lowell MA, 01854

NAME OF COURIER (IF USED): Fedex

Data Report: ☒ CLP* ☐ Certificates Only

ELECTRONIC RESULTS FORMAT: .PDF ☐ EXCEL (.CSV) ☒

E-MAIL ADDRESS: dsullivan@trcsolutions.com

FAXED RESULTS ☐ FAX #:

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

PRESERVATIVE CODE	Ice
BOTTLE TYPE:	Glass
BOTTLE SIZE:	4 oz

PRESERVATIVE KEY: 0 - NONE; 1 - HCL; 2 - HNO3; 3 - H2SO4; 4 - NaOH; 5 - Zn. Acetate; 6 - MeOH; 7 - NaHSO4; 8 - Other ____

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (NEA USE ONLY)	NUMBER OF CONTAINERS	PCBs (8082)	~~PCB Aroclors~~ (5)						REMARKS:
TRC-37 (4-5')	1/21/09	1310	Soil	G	AM00642	1	X							Rush 48-72hr
TRC-37 (1)	↓	1315	↓	↓	AM00643	1	X							turnaround on all
TRC-37 (7)	↓	1320	↓	↓	AM00644	3	X		MS/MSD here					samples (except
TRC-37 (10)	1/21/09	1325	Soil	G	AM00645	1	X		(7/OLD)					hold) per
														A. Moore, NEA)

AMBIENT OR CHILLED: TEMP: 5.4

RECEIVED BROKEN OR LEAKING: Y N

COC TAPE: Y N

COC DISCREPANCIES: Y N

PROPERLY PRESERVED: Y N

RECVD W/I HOLDING TIMES: Y N

OTHER NOTES:

	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE	[signature]	Via Fedex		Carrie Barss		
PRINTED NAME	Jeff Saunders	—		Carrie Barss		
COMPANY	TRC	—		NEA		
DATE/TIME	1/21/09 1645	1/21/09		1/22/09 1018		

* CLP LIKE DATA PACKAGE ADDITIONAL COST

CERTIFICATE OF ANALYSIS
01/26/2009
TRC ENVIRONMENTAL
WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-17 (1)	**NEA ID:** AM00632	**NEA LRF:** 09010124-01
MATRIX:	SOIL	**DATE SAMPLED:** 01/21/2009	**TIME:** 11:30
DATE RECEIVED:	01/22/2009 **TIME:** 10:18	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0631	ug/g	01/24/2009	U
Aroclor 1221	ND	0.0631	ug/g	01/24/2009	U
Aroclor 1232	ND	0.0631	ug/g	01/24/2009	U
Aroclor 1242	ND	0.0631	ug/g	01/24/2009	U
Aroclor 1248	ND	0.0631	ug/g	01/24/2009	U
Aroclor 1254	ND	0.0631	ug/g	01/24/2009	U
Aroclor 1260	ND	0.0631	ug/g	01/24/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

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Robert E. Wagner
Laboratory Director

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LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-17 (5)	**NEA ID:** AM00633	**NEA LRF:** 09010124-02
MATRIX:	SOIL	**DATE SAMPLED:** 01/21/2009	**TIME:** 11:35
DATE RECEIVED:	01/22/2009 **TIME:** 10:18	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0569	ug/g	01/24/2009	U
Aroclor 1221	ND	0.0569	ug/g	01/24/2009	U
Aroclor 1232	ND	0.0569	ug/g	01/24/2009	U
Aroclor 1242	ND	0.0569	ug/g	01/24/2009	U
Aroclor 1248	ND	0.0569	ug/g	01/24/2009	U
Aroclor 1254	ND	0.0569	ug/g	01/24/2009	U
Aroclor 1260	ND	0.0569	ug/g	01/24/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-17 (7)	**NEA ID:** AM00634	**NEA LRF:** 09010124-03
MATRIX:	SOIL	**DATE SAMPLED:** 01/21/2009	**TIME:** 11:40
DATE RECEIVED:	01/22/2009 **TIME:** 10:18	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0549	ug/g	01/24/2009	U
Aroclor 1221	ND	0.0549	ug/g	01/24/2009	U
Aroclor 1232	ND	0.0549	ug/g	01/24/2009	U
Aroclor 1242	ND	0.0549	ug/g	01/24/2009	U
Aroclor 1248	ND	0.0549	ug/g	01/24/2009	U
Aroclor 1254	ND	0.0549	ug/g	01/24/2009	U
Aroclor 1260	ND	0.0549	ug/g	01/24/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-17D (1)	**NEA ID:** AM00636	**NEA LRF:** 09010124-05
MATRIX:	SOIL	**DATE SAMPLED:** 01/21/2009	**TIME:** 11:50
DATE RECEIVED:	01/22/2009 **TIME:** 10:18	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0550	ug/g	01/24/2009	U
Aroclor 1221	ND	0.0550	ug/g	01/24/2009	U
Aroclor 1232	ND	0.0550	ug/g	01/24/2009	U
Aroclor 1242	ND	0.0550	ug/g	01/24/2009	U
Aroclor 1248	ND	0.0550	ug/g	01/24/2009	U
Aroclor 1254	ND	0.0550	ug/g	01/24/2009	U
Aroclor 1260	ND	0.0550	ug/g	01/24/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-39D (1)	**NEA ID:** AM00637	**NEA LRF:** 09010124-06
MATRIX:	SOIL	**DATE SAMPLED:** 01/21/2009	**TIME:** 09:25
DATE RECEIVED:	01/22/2009 **TIME:** 10:18	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0605	ug/g	01/24/2009	U
Aroclor 1221	ND	0.0605	ug/g	01/24/2009	U
Aroclor 1232	ND	0.0605	ug/g	01/24/2009	U
Aroclor 1242	ND	0.0605	ug/g	01/24/2009	U
Aroclor 1248	ND	0.0605	ug/g	01/24/2009	U
Aroclor 1254	ND	0.0605	ug/g	01/24/2009	U
Aroclor 1260	ND	0.0605	ug/g	01/24/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-39 (1)	**NEA ID:** AM00638	**NEA LRF:** 09010124-07
MATRIX:	SOIL	**DATE SAMPLED:** 01/21/2009	**TIME:** 10:25
DATE RECEIVED:	01/22/2009 **TIME:** 10:18	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0639	ug/g	01/24/2009	U
Aroclor 1221	ND	0.0639	ug/g	01/24/2009	U
Aroclor 1232	ND	0.0639	ug/g	01/24/2009	U
Aroclor 1242	ND	0.0639	ug/g	01/24/2009	U
Aroclor 1248	ND	0.0639	ug/g	01/24/2009	U
Aroclor 1254	ND	0.0639	ug/g	01/24/2009	U
Aroclor 1260	ND	0.0639	ug/g	01/24/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-39 (4-5)	**NEA ID:** AM00639	**NEA LRF:** 09010124-08
MATRIX:	SOIL	**DATE SAMPLED:** 01/21/2009	**TIME:** 10:20
DATE RECEIVED:	01/22/2009 **TIME:** 10:18	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0680	ug/g	01/24/2009	U
Aroclor 1221	ND	0.0680	ug/g	01/24/2009	U
Aroclor 1232	ND	0.0680	ug/g	01/24/2009	U
Aroclor 1242	ND	0.0680	ug/g	01/24/2009	U
Aroclor 1248	ND	0.0680	ug/g	01/24/2009	U
Aroclor 1254	ND	0.0680	ug/g	01/24/2009	U
Aroclor 1260	ND	0.0680	ug/g	01/24/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

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WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-39 (8)	**NEA ID:** AM00640	**NEA LRF:** 09010124-09
MATRIX:	SOIL	**DATE SAMPLED:** 01/21/2009	**TIME:** 10:30
DATE RECEIVED:	01/22/2009 **TIME:** 10:18	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0670	ug/g	01/24/2009	U
Aroclor 1221	ND	0.0670	ug/g	01/24/2009	U
Aroclor 1232	ND	0.0670	ug/g	01/24/2009	U
Aroclor 1242	ND	0.0670	ug/g	01/24/2009	U
Aroclor 1248	ND	0.0670	ug/g	01/24/2009	U
Aroclor 1254	ND	0.0670	ug/g	01/24/2009	U
Aroclor 1260	ND	0.0670	ug/g	01/24/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-37 (4-5)	**NEA ID:** AM00642	**NEA LRF:** 09010124-11
MATRIX:	SOIL	**DATE SAMPLED:** 01/21/2009	**TIME:** 13:10
DATE RECEIVED:	01/22/2009 **TIME:** 10:18	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0658	ug/g	01/24/2009	U
Aroclor 1221	ND	0.0658	ug/g	01/24/2009	U
Aroclor 1232	ND	0.0658	ug/g	01/24/2009	U
Aroclor 1242	ND	0.0658	ug/g	01/24/2009	U
Aroclor 1248	ND	0.0658	ug/g	01/24/2009	U
Aroclor 1254	ND	0.0658	ug/g	01/24/2009	U
Aroclor 1260	ND	0.0658	ug/g	01/24/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-37 (1)	**NEA ID:** AM00643	**NEA LRF:** 09010124-12
MATRIX:	SOIL	**DATE SAMPLED:** 01/21/2009	**TIME:** 13:15
DATE RECEIVED:	01/22/2009 **TIME:** 10:18	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0646	ug/g	01/24/2009	U
Aroclor 1221	ND	0.0646	ug/g	01/24/2009	U
Aroclor 1232	ND	0.0646	ug/g	01/24/2009	U
Aroclor 1242	ND	0.0646	ug/g	01/24/2009	U
Aroclor 1248	ND	0.0646	ug/g	01/24/2009	U
Aroclor 1254	ND	0.0646	ug/g	01/24/2009	U
Aroclor 1260	ND	0.0646	ug/g	01/24/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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CERTIFICATE OF ANALYSIS
01/26/2009
TRC ENVIRONMENTAL
WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-37 (7)	**NEA ID:** AM00644	**NEA LRF:** 09010124-13
MATRIX:	SOIL	**DATE SAMPLED:** 01/21/2009	**TIME:** 13:20
DATE RECEIVED:	01/22/2009 **TIME:** 10:18	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0538	ug/g	01/24/2009	U
Aroclor 1221	ND	0.0538	ug/g	01/24/2009	U
Aroclor 1232	ND	0.0538	ug/g	01/24/2009	U
Aroclor 1242	ND	0.0538	ug/g	01/24/2009	U
Aroclor 1248	ND	0.0538	ug/g	01/24/2009	U
Aroclor 1254	ND	0.0538	ug/g	01/24/2009	U
Aroclor 1260	ND	0.0538	ug/g	01/24/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

NORTHEAST ANALYTICAL, INC.
2190 Technology Drive, Schenectady, NY 12308
Telephone (518) 346-4592 Fax (518) 381-6055
www.nealab.com information @nealab.com

LRF # <09010129P1>
090101291

DISPOSAL REQUIREMENTS: (To be filled in by Client)
- ○ RETURN TO CLIENT
- ● DISPOSAL BY NORTHEAST ANALYTICAL
- ● ARCHIVAL BY NORTHEAST ANALYTICAL

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO): TRC

PROJECT#/PROJECT NAME: 115058

PROJECT MANAGER: David Sullivan

PROJECT LOCATION (CITY/STATE) ADDRESS: City of New Bedford

PHONE: (978) - 656 - 3565

~~48~~-72 hr rush turnaround *

SAMPLED BY: (Please Print) Jeff Saunders

REQUIRED TURN AROUND TIME: ~~5 day (TRC standard)~~

SAMPLING FIRM: 650 Suffolk Street Lowell MA, 01854

NAME OF COURIER (IF USED): Fedex (9660-3812-8829)

Data Report: ☒ CLP* ☐ Certificates Only

ELECTRONIC RESULTS FORMAT: .PDF ☐ EXCEL (.CSV) ☒

E-MAIL ADDRESS: dsullivan@trcsolutions.com

FAXED RESULTS ☐ FAX #:

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

PRESERVATIVE CODE	Ice							
BOTTLE TYPE:	Glass							
BOTTLE SIZE:	4 oz							

PRESERVATIVE KEY: 0 - NONE; 1 - HCL; 2 - HNO3; 3 - H2SO4; 4 - NaOH; 5 - Zn. Acetate; 6 - MeOH; 7 - NaHSO4; 8 - Other

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (NEA USE ONLY)	NUMBER OF CONTAINERS	PCBs (8082)	PCB Homologs (5)						REMARKS:
TRC-24 (1)	1/22/09	0905	Soil	G	AM00676	1	X							* Rush turnaround
TRC-24 (7)		0910			AM00677	1	X							on all samples
TRC-24 (12)		0915			AM00678	1	X							(except holds)
TRC-24 (17) (HOLD)		0920			AM00679	1	X					(HOLD)		per A. Moore
TRC-23 (1)		1000			AM00680	1	X							(NEA)
TRC-23 (8)		1005			AM00681	1	X							
TRC-23 (12)		1010			AM00682	1	X							
TRC-23 (17) (HOLD)		1015			AM00683	1	X					(HOLD)		
TRC-25 (1)		1050			AM00684	1	X							
TRC-25 (5)	1/22/09	1100	Soil	G	AM00685	1	X							

AMBIENT OR CHILLED: TEMP: 1.6°C

RECEIVED BROKEN OR LEAKING: Y (N)

COC TAPE: (Y) N

COC DISCREPANCIES: Y (N)

PROPERLY PRESERVED: (Y) N

RECVD W/I HOLDING TIMES: (Y) N

OTHER NOTES:

	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE	[signature]	Via Fedex		Camie Barss		
PRINTED NAME	Jeff Saunders	9660-3812-8829		Camie Barss		
COMPANY	TRC	—		NEA		
DATE/TIME	1/22/09 1600	1/22/09	1/23/09 (CB)	1/23/09 1025		

* CLP LIKE DATA PACKAGE ADDITIONAL COST

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

NORTHEAST ANALYTICAL, INC.
2190 Technology Drive, Schenectady, NY 12308
Telephone (518) 346-4592 Fax (518) 381-6055
www.nealab.com information @nealab.com

LRF # - <09010129P2> (090101292)

DISPOSAL REQUIREMENTS: (To be filled in by Client)
- ○ RETURN TO CLIENT
- ● DISPOSAL BY NORTHEAST ANALYTICAL
- ● ARCHIVAL BY NORTHEAST ANALYTICAL

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO): TRC

PROJECT#/PROJECT NAME: 115058

PROJECT MANAGER: David Sullivan

PROJECT LOCATION (CITY/STATE) ADDRESS: City of New Bedford

PHONE: (978) - 656 - 3565

48-72 hr turnaround *

SAMPLED BY: (Please Print) Jeff Saunders

REQUIRED TURN AROUND TIME: ~~5 day (TRC standard)~~

SAMPLING FIRM: 650 Suffolk Street Lowell MA, 01854

NAME OF COURIER (IF USED): Fedex

Data Report: ☒ CLP* ☐ Certificates Only

ELECTRONIC RESULTS FORMAT: .PDF ☐ EXCEL (.CSV) ☒

E-MAIL ADDRESS: dsullivan@trcsolutions.com

FAXED RESULTS ☐ FAX #:

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

PRESERVATIVE CODE	Ice						
BOTTLE TYPE:	Glass						
BOTTLE SIZE:	4 oz						

PRESERVATIVE KEY: 0 - NONE; 1 - HCL; 2 - HNO3; 3 - H2SO4; 4 - NaOH; 5 - Zn. Acetate; 6 - MeOH; 7 - NaHSO4; 8 - Other _____

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (NEA USE ONLY)	NUMBER OF CONTAINERS	PCBs (8082)	PCB Homologs (8)						REMARKS:
TRC-25 (8)	1/22/09	1105	Soil	G	AM00686	1	X							
TRC-25 (12) (HOLD)		1110			AM00687	1	X							(HOLD)
TRC-26 (1)		1130			AM00688	1	X							
TRC-26 (5)		1135			AM00689	1	X							
TRC-26 (9)		1140			AM00690	3	X							(Triple vol. for MS/MSD)
TRC-26 (12) (HOLD)		1145			AM00691	1	X							(HOLD)
TRC-27 (1)		1210			AM00692	1	X							
TRC-27 (5)		1215			AM00693	1	X							
TRC-27 (7)		1220			AM00694	1	X							
TRC-27 (10) (Hold)	1/22/09	1225	Soil	G	AM00695	1	X							(HOLD)

AMBIENT OR CHILLED: (Y) TEMP: 1.6°C COC TAPE: (Y) N

RECEIVED BROKEN OR LEAKING: Y (N) COC DISCREPANCIES: Y (N)

PROPERLY PRESERVED: (Y) N

RECVD W/I HOLDING TIMES: (Y) N

OTHER NOTES:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE: [signature]	SIGNATURE: Via Fedex	SIGNATURE	SIGNATURE: Camie Barss	SIGNATURE	SIGNATURE
PRINTED NAME: Jeff Saunders	PRINTED NAME: —	PRINTED NAME	PRINTED NAME: Camie Barss	PRINTED NAME	PRINTED NAME
COMPANY: TRC	COMPANY: —	COMPANY	COMPANY: NEA	COMPANY	COMPANY
DATE/TIME: 1/22/09 1600	DATE/TIME: 1/22/09	DATE/TIME	DATE/TIME: 1/23/09 1025	DATE/TIME	DATE/TIME

* CLP LIKE DATA PACKAGE ADDITIONAL COST

CERTIFICATE OF ANALYSIS
01/28/2009
TRC ENVIRONMENTAL
WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-24(1)	**NEA ID:** AM00676	**NEA LRF:** 09010129-01
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 09:05
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0607	ug/g	01/27/2009	U
Aroclor 1221	ND	0.0607	ug/g	01/27/2009	U
Aroclor 1232	ND	0.0607	ug/g	01/27/2009	U
Aroclor 1242	ND	0.0607	ug/g	01/27/2009	U
Aroclor 1248	ND	0.0607	ug/g	01/27/2009	U
Aroclor 1254	ND	0.0607	ug/g	01/27/2009	U
Aroclor 1260	0.0892	0.0607	ug/g	01/27/2009	AG
Total PCB Amount > Reporting Limit	0.0892				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-24(7)	**NEA ID:** AM00677	**NEA LRF:** 09010129-02
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 09:10
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0534	ug/g	01/27/2009	U
Aroclor 1221	ND	0.0534	ug/g	01/27/2009	U
Aroclor 1232	ND	0.0534	ug/g	01/27/2009	U
Aroclor 1242	ND	0.0534	ug/g	01/27/2009	U
Aroclor 1248	ND	0.0534	ug/g	01/27/2009	U
Aroclor 1254	ND	0.0534	ug/g	01/27/2009	U
Aroclor 1260	ND	0.0534	ug/g	01/27/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-24(12)	**NEA ID:** AM00678	**NEA LRF:** 09010129-03
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 09:15
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0528	ug/g	01/27/2009	U
Aroclor 1221	ND	0.0528	ug/g	01/27/2009	U
Aroclor 1232	ND	0.0528	ug/g	01/27/2009	U
Aroclor 1242	ND	0.0528	ug/g	01/27/2009	U
Aroclor 1248	ND	0.0528	ug/g	01/27/2009	U
Aroclor 1254	ND	0.0528	ug/g	01/27/2009	U
Aroclor 1260	ND	0.0528	ug/g	01/27/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-23(1)	**NEA ID:** AM00680	**NEA LRF:** 09010129-05
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 10:00
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0547	ug/g	01/27/2009	U
Aroclor 1221	ND	0.0547	ug/g	01/27/2009	U
Aroclor 1232	ND	0.0547	ug/g	01/27/2009	U
Aroclor 1242	ND	0.0547	ug/g	01/27/2009	U
Aroclor 1248	ND	0.0547	ug/g	01/27/2009	U
Aroclor 1254	ND	0.0547	ug/g	01/27/2009	U
Aroclor 1260	ND	0.0547	ug/g	01/27/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-23(8)	**NEA ID:** AM00681	**NEA LRF:** 09010129-06
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 10:05
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0500	ug/g	01/27/2009	U
Aroclor 1221	ND	0.0500	ug/g	01/27/2009	U
Aroclor 1232	ND	0.0500	ug/g	01/27/2009	U
Aroclor 1242	ND	0.0500	ug/g	01/27/2009	U
Aroclor 1248	ND	0.0500	ug/g	01/27/2009	U
Aroclor 1254	ND	0.0500	ug/g	01/27/2009	U
Aroclor 1260	ND	0.0500	ug/g	01/27/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

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WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-23(12)	**NEA ID:** AM00682	**NEA LRF:** 09010129-07
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 10:10
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0565	ug/g	01/27/2009	U
Aroclor 1221	ND	0.0565	ug/g	01/27/2009	U
Aroclor 1232	ND	0.0565	ug/g	01/27/2009	U
Aroclor 1242	ND	0.0565	ug/g	01/27/2009	U
Aroclor 1248	ND	0.0565	ug/g	01/27/2009	U
Aroclor 1254	ND	0.0565	ug/g	01/27/2009	U
Aroclor 1260	ND	0.0565	ug/g	01/27/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

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01/28/2009
TRC ENVIRONMENTAL
WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-25(1)	**NEA ID:** AM00684	**NEA LRF:** 09010129-09
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 10:50
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0511	ug/g	01/27/2009	U
Aroclor 1221	ND	0.0511	ug/g	01/27/2009	U
Aroclor 1232	ND	0.0511	ug/g	01/27/2009	U
Aroclor 1242	ND	0.0511	ug/g	01/27/2009	U
Aroclor 1248	ND	0.0511	ug/g	01/27/2009	U
Aroclor 1254	ND	0.0511	ug/g	01/27/2009	U
Aroclor 1260	ND	0.0511	ug/g	01/27/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
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WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-25(5)	**NEA ID:** AM00685	**NEA LRF:** 09010129-10
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 11:00
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0695	ug/g	01/27/2009	U
Aroclor 1221	ND	0.0695	ug/g	01/27/2009	U
Aroclor 1232	ND	0.0695	ug/g	01/27/2009	U
Aroclor 1242	ND	0.0695	ug/g	01/27/2009	U
Aroclor 1248	ND	0.0695	ug/g	01/27/2009	U
Aroclor 1254	ND	0.0695	ug/g	01/27/2009	U
Aroclor 1260	ND	0.0695	ug/g	01/27/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

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650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-25(8)	**NEA ID:** AM00686	**NEA LRF:** 09010129-11
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 11:05
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0513	ug/g	01/27/2009	U
Aroclor 1221	ND	0.0513	ug/g	01/27/2009	U
Aroclor 1232	ND	0.0513	ug/g	01/27/2009	U
Aroclor 1242	ND	0.0513	ug/g	01/27/2009	U
Aroclor 1248	ND	0.0513	ug/g	01/27/2009	U
Aroclor 1254	ND	0.0513	ug/g	01/27/2009	U
Aroclor 1260	ND	0.0513	ug/g	01/27/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
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WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-26(1)	**NEA ID:** AM00688	**NEA LRF:** 09010129-13
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 11:30
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0502	ug/g	01/27/2009	U
Aroclor 1221	ND	0.0502	ug/g	01/27/2009	U
Aroclor 1232	ND	0.0502	ug/g	01/27/2009	U
Aroclor 1242	ND	0.0502	ug/g	01/27/2009	U
Aroclor 1248	ND	0.0502	ug/g	01/27/2009	U
Aroclor 1254	ND	0.0502	ug/g	01/27/2009	U
Aroclor 1260	ND	0.0502	ug/g	01/27/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-26(5)	**NEA ID:** AM00689	**NEA LRF:** 09010129-14
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 11:35
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0504	ug/g	01/27/2009	U
Aroclor 1221	ND	0.0504	ug/g	01/27/2009	U
Aroclor 1232	ND	0.0504	ug/g	01/27/2009	U
Aroclor 1242	ND	0.0504	ug/g	01/27/2009	U
Aroclor 1248	ND	0.0504	ug/g	01/27/2009	U
Aroclor 1254	ND	0.0504	ug/g	01/27/2009	U
Aroclor 1260	ND	0.0504	ug/g	01/27/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-26(9)	**NEA ID:** AM00690	**NEA LRF:** 09010129-15
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 11:40
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0540	ug/g	01/27/2009	U
Aroclor 1221	ND	0.0540	ug/g	01/27/2009	U
Aroclor 1232	ND	0.0540	ug/g	01/27/2009	U
Aroclor 1242	ND	0.0540	ug/g	01/27/2009	U
Aroclor 1248	ND	0.0540	ug/g	01/27/2009	U
Aroclor 1254	ND	0.0540	ug/g	01/27/2009	U
Aroclor 1260	ND	0.0540	ug/g	01/27/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-27(1)	**NEA ID:** AM00692	**NEA LRF:** 09010129-17
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 12:10
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0579	ug/g	01/28/2009	U
Aroclor 1221	ND	0.0579	ug/g	01/28/2009	U
Aroclor 1232	ND	0.0579	ug/g	01/28/2009	U
Aroclor 1242	ND	0.0579	ug/g	01/28/2009	U
Aroclor 1248	ND	0.0579	ug/g	01/28/2009	U
Aroclor 1254	ND	0.0579	ug/g	01/28/2009	U
Aroclor 1260	ND	0.0579	ug/g	01/28/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-27(5)	**NEA ID:** AM00693	**NEA LRF:** 09010129-18
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 12:15
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0544	ug/g	01/28/2009	U
Aroclor 1221	ND	0.0544	ug/g	01/28/2009	U
Aroclor 1232	ND	0.0544	ug/g	01/28/2009	U
Aroclor 1242	ND	0.0544	ug/g	01/28/2009	U
Aroclor 1248	ND	0.0544	ug/g	01/28/2009	U
Aroclor 1254	ND	0.0544	ug/g	01/28/2009	U
Aroclor 1260	ND	0.0544	ug/g	01/28/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-27(7)	**NEA ID:** AM00694	**NEA LRF:** 09010129-19
MATRIX:	SOIL	**DATE SAMPLED:** 01/22/2009	**TIME:** 12:20
DATE RECEIVED:	01/23/2009 **TIME:** 10:25	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0603	ug/g	01/28/2009	U
Aroclor 1221	ND	0.0603	ug/g	01/28/2009	U
Aroclor 1232	ND	0.0603	ug/g	01/28/2009	U
Aroclor 1242	ND	0.0603	ug/g	01/28/2009	U
Aroclor 1248	ND	0.0603	ug/g	01/28/2009	U
Aroclor 1254	ND	0.0603	ug/g	01/28/2009	U
Aroclor 1260	ND	0.0603	ug/g	01/28/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

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Telephone (518) 346-4592 Fax (518) 381-6055
www.nealab.com information @nealab.com

LRF # <09010143P1>
090101431

DISPOSAL REQUIREMENTS: (To be filled in by Client)
- ○ RETURN TO CLIENT
- ● DISPOSAL BY NORTHEAST ANALYTICAL
- ● ARCHIVAL BY NORTHEAST ANALYTICAL

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO): TRC

PROJECT#/PROJECT NAME: 115058

PROJECT MANAGER: David Sullivan

PROJECT LOCATION (CITY/STATE) ADDRESS: City of New Bedford (KSH)

PHONE: (978) - 656 - 3565

48-72 hr. turnaround *

SAMPLED BY: (Please Print) Jeff Saunders

REQUIRED TURN AROUND TIME: ~~5 day (TRC standard)~~

SAMPLING FIRM: 650 Suffolk Street Lowell MA, 01854

NAME OF COURIER (IF USED): Fedex

Data Report: ☒ CLP* ☐ Certificates Only

ELECTRONIC RESULTS FORMAT: .PDF ☐ EXCEL (.CSV) ☒

E-MAIL ADDRESS: dsullivan@trcsolutions.com

FAXED RESULTS ☐ FAX #:

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

PRESERVATIVE CODE	Ice								PRESERVATIVE KEY
BOTTLE TYPE:	Glass								0 - NONE
BOTTLE SIZE:	4 oz								1 - HCL
									2 - HNO3
									3 - H2SO4
									4 - NaOH
									5 - Zn. Acetate
									6 - MeOH
									7 - NaHSO4
									8 - Other ____

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (NEA USE ONLY)	NUMBER OF CONTAINERS	PCBs (8082)	PCB Homologs (5)						REMARKS:
TRC-41 (1)	1/26/09	0905	Soil	G	AM00781	1	X							* Rush 48-72 hr
TRC-41 (5)		0910			AM00782	1	X							turnaround (except
TRC-41 (9)		0915			AM00783	1	X							holds) per Adam
TRC-41 (13) (HOLD)		0920			AM00784	1	X					(HOLD)		Moore (NEA)
TRC-43D (4)		1300			AM00785	1	X							
TRC-43 (1)		1315			AM00786	1	X							
TRC-43 (4)		1320			AM00787	1	X							
TRC-43 (8)		1325			AM00788	1	X							
TRC-43 (10) (HOLD)	1/26/09	1330	Soil	G	AM00789	1	X							

AMBIENT OR CHILLED: TEMP: 0.4°C

COC TAPE: Y N

PROPERLY PRESERVED: Y N

OTHER NOTES:

RECEIVED BROKEN OR LEAKING: Y N

COC DISCREPANCIES: Y N

RECVD W/I HOLDING TIMES: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE	SIGNATURE Via FedEx	SIGNATURE FedEx	SIGNATURE	SIGNATURE	SIGNATURE
PRINTED NAME Jeff Saunders	PRINTED NAME 866-3812-8818	PRINTED NAME	PRINTED NAME A. MOORE	PRINTED NAME	PRINTED NAME
COMPANY TRC	COMPANY	COMPANY	COMPANY NEA	COMPANY	COMPANY
DATE/TIME 1/26/09 1630	DATE/TIME 1/26/09 1650	DATE/TIME	DATE/TIME 1/27/09 1011	DATE/TIME	DATE/TIME

* CLP LIKE DATA PACKAGE ADDITIONAL COST

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WANNALANCIT MILLS
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LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-41 (1)	**NEA ID:** AM00781	**NEA LRF:** 09010143-01
MATRIX:	SOIL	**DATE SAMPLED:** 01/26/2009	**TIME:** 09:05
DATE RECEIVED:	01/27/2009 **TIME:** 10:11	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0584	ug/g	01/29/2009	U
Aroclor 1221	ND	0.0584	ug/g	01/29/2009	U
Aroclor 1232	ND	0.0584	ug/g	01/29/2009	U
Aroclor 1242	ND	0.0584	ug/g	01/29/2009	U
Aroclor 1248	ND	0.0584	ug/g	01/29/2009	U
Aroclor 1254	0.711	0.0584	ug/g	01/29/2009	AF
Aroclor 1260	0.463	0.0584	ug/g	01/29/2009	AG
Total PCB Amount > Reporting Limit	1.174				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AUTHORIZED SIGNATURE:

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650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-41 (5)	**NEA ID:** AM00782	**NEA LRF:** 09010143-02
MATRIX:	SOIL	**DATE SAMPLED:** 01/26/2009	**TIME:** 09:10
DATE RECEIVED:	01/27/2009 **TIME:** 10:11	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0601	ug/g	01/29/2009	U
Aroclor 1221	ND	0.0601	ug/g	01/29/2009	U
Aroclor 1232	ND	0.0601	ug/g	01/29/2009	U
Aroclor 1242	ND	0.0601	ug/g	01/29/2009	U
Aroclor 1248	ND	0.0601	ug/g	01/29/2009	U
Aroclor 1254	ND	0.0601	ug/g	01/29/2009	U
Aroclor 1260	ND	0.0601	ug/g	01/29/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-41 (9)	**NEA ID:** AM00783	**NEA LRF:** 09010143-03
MATRIX:	SOIL	**DATE SAMPLED:** 01/26/2009	**TIME:** 09:15
DATE RECEIVED:	01/27/2009 **TIME:** 10:11	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0590	ug/g	01/29/2009	U
Aroclor 1221	ND	0.0590	ug/g	01/29/2009	U
Aroclor 1232	ND	0.0590	ug/g	01/29/2009	U
Aroclor 1242	ND	0.0590	ug/g	01/29/2009	U
Aroclor 1248	ND	0.0590	ug/g	01/29/2009	U
Aroclor 1254	ND	0.0590	ug/g	01/29/2009	U
Aroclor 1260	ND	0.0590	ug/g	01/29/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-43D (4)	**NEA ID:** AM00785	**NEA LRF:** 09010143-05
MATRIX:	SOIL	**DATE SAMPLED:** 01/26/2009	**TIME:** 13:00
DATE RECEIVED:	01/27/2009 **TIME:** 10:11	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0643	ug/g	01/29/2009	U
Aroclor 1221	ND	0.0643	ug/g	01/29/2009	U
Aroclor 1232	ND	0.0643	ug/g	01/29/2009	U
Aroclor 1242	ND	0.0643	ug/g	01/29/2009	U
Aroclor 1248	ND	0.0643	ug/g	01/29/2009	U
Aroclor 1254	ND	0.0643	ug/g	01/29/2009	U
Aroclor 1260	ND	0.0643	ug/g	01/29/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-43 (1)	**NEA ID:** AM00786	**NEA LRF:** 09010143-06
MATRIX:	SOIL	**DATE SAMPLED:** 01/26/2009	**TIME:** 13:15
DATE RECEIVED:	01/27/2009 **TIME:** 10:11	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0617	ug/g	01/29/2009	U
Aroclor 1221	ND	0.0617	ug/g	01/29/2009	U
Aroclor 1232	ND	0.0617	ug/g	01/29/2009	U
Aroclor 1242	ND	0.0617	ug/g	01/29/2009	U
Aroclor 1248	ND	0.0617	ug/g	01/29/2009	U
Aroclor 1254	0.197	0.0617	ug/g	01/29/2009	AF
Aroclor 1260	ND	0.0617	ug/g	01/29/2009	U
Total PCB Amount > Reporting Limit	0.197				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

CERTIFICATE OF ANALYSIS
01/30/2009
TRC ENVIRONMENTAL
WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-43 (4)	**NEA ID:** AM00787	**NEA LRF:** 09010143-07
MATRIX:	SOIL	**DATE SAMPLED:** 01/26/2009	**TIME:** 13:20
DATE RECEIVED:	01/27/2009 **TIME:** 10:11	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0679	ug/g	01/29/2009	U
Aroclor 1221	ND	0.0679	ug/g	01/29/2009	U
Aroclor 1232	ND	0.0679	ug/g	01/29/2009	U
Aroclor 1242	ND	0.0679	ug/g	01/29/2009	U
Aroclor 1248	ND	0.0679	ug/g	01/29/2009	U
Aroclor 1254	ND	0.0679	ug/g	01/29/2009	U
Aroclor 1260	ND	0.0679	ug/g	01/29/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
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CERTIFICATE OF ANALYSIS
01/30/2009
TRC ENVIRONMENTAL
WANNALANCIT MILLS
650 SUFFOLK ST
LOWELL, MA 01854
CONTACT: DAVID SULLIVAN

CUSTOMER ID:	TRC-43 (8)	**NEA ID:** AM00788	**NEA LRF:** 09010143-08
MATRIX:	SOIL	**DATE SAMPLED:** 01/26/2009	**TIME:** 13:25
DATE RECEIVED:	01/27/2009 **TIME:** 10:11	**PROJECT:**	CITY OF NEW BEDFORD-115058
SAMPLED BY:	J. SAUNDERS	**LOCATION:**	NEW BEDFORD, MA
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
SW-846 8082 (PCB)					
Aroclor 1016	ND	0.0540	ug/g	01/29/2009	U
Aroclor 1221	ND	0.0540	ug/g	01/29/2009	U
Aroclor 1232	ND	0.0540	ug/g	01/29/2009	U
Aroclor 1242	ND	0.0540	ug/g	01/29/2009	U
Aroclor 1248	ND	0.0540	ug/g	01/29/2009	U
Aroclor 1254	ND	0.0540	ug/g	01/29/2009	U
Aroclor 1260	ND	0.0540	ug/g	01/29/2009	U
Total PCB Amount > Reporting Limit	ND				U

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

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REPORT DATE 11/21/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVE SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-21444
JOB NUMBER: 115058-000280-

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

PROJECT LOCATION: KEITH JUNIOR HIGH

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
LEAD-1 (1-3 FT.)	08B46592	SOIL	Not Specified	pb (mg/kg)dw icp	
LEAD-1 (1-3 FT.)	08B46592	SOIL	Not Specified	solids (percent)	
LEAD-2 (2-3 FT.)	08B46591	SOIL	Not Specified	pb (mg/kg)dw icp	
LEAD-2 (2-3 FT.)	08B46591	SOIL	Not Specified	solids (percent)	
LEAD-3 (1-3 FT.)	08B46590	SOIL	Not Specified	pb (mg/kg)dw icp	
LEAD-3 (1-3 FT.)	08B46590	SOIL	Not Specified	solids (percent)	
LEAD-4 (1-2.5 FT.)	08B46589	SOIL	Not Specified	pb (mg/kg)dw icp	
LEAD-4 (1-2.5 FT.)	08B46589	SOIL	Not Specified	solids (percent)	
LEAD-5 (0.5-2 FT.)	08B46588	SOIL	Not Specified	pb (mg/kg)dw icp	
LEAD-5 (0.5-2 FT.)	08B46588	SOIL	Not Specified	solids (percent)	
UST-1S (11-12 FT.)	08B46603	SOIL	Not Specified	eph - solid 04	
UST-1S (11-12 FT.)	08B46603	SOIL	Not Specified	solids (percent)	
UST-1S (5-7 FT.)	08B46602	SOIL	Not Specified	eph - solid 04	
UST-1S (5-7 FT.)	08B46602	SOIL	Not Specified	solids (percent)	
UST-2N (11-12 FT.)	08B46594	SOIL	Not Specified	eph - solid 04	
UST-2N (11-12 FT.)	08B46594	SOIL	Not Specified	solids (percent)	
UST-2N (5-7) QC	08B46593	SOIL	Not Specified	eph - solid 04	
UST-2N (5-7) QC	08B46593	SOIL	Not Specified	pb (mg/kg)dw icp	
UST-2N (5-7) QC	08B46593	SOIL	Not Specified	solids (percent)	
UST-3E (1-3 FT.)	08B46595	SOIL	Not Specified	eph - solid 04	
UST-3E (1-3 FT.)	08B46595	SOIL	Not Specified	pb (mg/kg)dw icp	
UST-3E (1-3 FT.)	08B46595	SOIL	Not Specified	solids (percent)	
UST-3E (11-12 FT.)	08B46597	SOIL	Not Specified	eph - solid 04	
UST-3E (11-12 FT.)	08B46597	SOIL	Not Specified	pb (mg/kg)dw icp	
UST-3E (11-12 FT.)	08B46597	SOIL	Not Specified	solids (percent)	
UST-3E (5-7 FT.)	08B46596	SOIL	Not Specified	eph - solid 04	
UST-3E (5-7 FT.)	08B46596	SOIL	Not Specified	solids (percent)	
UST-4E (11-12 FT.)	08B46607	SOIL	Not Specified	eph - solid 04	
UST-4E (11-12 FT.)	08B46607	SOIL	Not Specified	solids (percent)	
UST-4E (5-7 FT.)	08B46606	SOIL	Not Specified	eph - solid 04	
UST-4E (5-7 FT.)	08B46606	SOIL	Not Specified	solids (percent)	
UST-4W (1-3 FT.)	08B46599	SOIL	Not Specified	eph - solid 04	
UST-4W (1-3 FT.)	08B46599	SOIL	Not Specified	pb (mg/kg)dw icp	
UST-4W (1-3 FT.)	08B46599	SOIL	Not Specified	solids (percent)	
UST-4W (11-12 FT.)	08B46601	SOIL	Not Specified	eph - solid 04	
UST-4W (11-12 FT.)	08B46601	SOIL	Not Specified	pb (mg/kg)dw icp	
UST-4W (11-12 FT.)	08B46601	SOIL	Not Specified	solids (percent)	

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REPORT DATE 11/21/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVE SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-21444
JOB NUMBER: 115058-000280-

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
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UST-4W (5-7 FT.)	08B46600	SOIL	Not Specified	eph - solid 04
UST-4W (5-7 FT.)	08B46600	SOIL	Not Specified	solids (percent)
UST-5C (11-12 FT.)	08B46605	SOIL	Not Specified	eph - solid 04
UST-5C (11-12 FT.)	08B46605	SOIL	Not Specified	solids (percent)
UST-5C (5-7 FT.)	08B46604	SOIL	Not Specified	eph - solid 04
UST-5C (5-7 FT.)	08B46604	SOIL	Not Specified	solids (percent)
UST-6E (11-12 FT.)	08B46598	SOIL	Not Specified	eph - solid 04
UST-6E (11-12 FT.)	08B46598	SOIL	Not Specified	pb (mg/kg)dw icp
UST-6E (11-12 FT.)	08B46598	SOIL	Not Specified	solids (percent)

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REPORT DATE 11/21/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVE SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-21444
JOB NUMBER: 115058-000280-

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.
Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

Comments :

LIMS BATCH NO. : LIMT-21444

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In EPH method, for sample 08B46596, surrogate recovery of o-terphenyl is outside control limits due to sample matrix interference. See attached chromatogram.

In method 6010, the matrix spike and matrix spike duplicate were outside of control limits for Pb. Possibility of sample matrix effects leading to low bias of reported results is likely and cannot be eliminated. Recovery greater 30%, no corrective action required. Analysis is in control based on LFB/LFB dup recoveries.

There are no (other) analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

EXTRACTABLE PETROLEUM HYDROCARBONS (EPH) MADEP-EPH-04-1.1 ADDITIONAL DETAILS

Solid samples, if any, in the batch were extracted by the following method:
Microwave: SW846 3546

SPE cartridge contamination with non-petroleum compounds, if present, is verified by GC/MS in each method blank per extraction batch and excluded from C11-C22 aromatic range fraction in all samples in the batch.

Target compounds are subtracted from the C11-C22 aromatic range but not from the unadjusted C11-C22 aromatic range.
No significant modifications were made to the method.

All EPH samples were analyzed undiluted unless specified below:

Sample	Dilution(s)	Compound(s)
08B46594	x2	All
08B46595	x2	All
08B46596	x5	Most
	x25	C11-C22 Aromatic Range
	x100	C9-C18 Aliphatic Range
		C19-C36 Aliphatic Range
08B46598	x2	All
08B46606	x2	All

Matrix spike and matrix spike duplicate were performed on sample 08B46593.

EPH QC Surrogate Recoveries

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REPORT DATE 11/21/2008

TRC SOLUTIONS - LOWELL
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LOWELL, MA 01852
ATTN: DAVE SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-21444
JOB NUMBER: 115058-000280-

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BLANK-126850

2-Fluorobiphenyl:	75.8%
2-Bromonaphthalene:	79.6%
1-Chlorooctadecane:	51.8%
o-Terphenyl:	61.4%

LFBLANK-88746	LFB	LFB Duplicate
2-Fluorobiphenyl:	72.0%	81.4%
2-Bromonaphthalene:	76.4%	86.4%
1-Chlorooctadecane:	66.0%	59.2%
o-Terphenyl:	65.5%	73.5%

Matrix spike sample 08B46593	MS	MS Duplicate
2-Fluorobiphenyl:	81.2%	78.8%
2-Bromonaphthalene:	83.5%	81.0%
1-Chlorooctadecane:	70.0%	78.9%
o-Terphenyl:	74.3%	78.5%

METHOD SW846-6010 - ADDITIONAL DETAILS

A sample duplicate, matrix spike and matrix spike duplicate were performed on sample 08B46593.
Only Pb was requested and reported.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

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REPORT DATE 11/21/2008

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVE SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-21444
JOB NUMBER: 115058-000280-

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report. Results are based on samples as submitted to the laboratory and relate only to the items collected and tested.

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 individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 11/24/08

SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-1S (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46603

‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	11/21/08	CJM	34.1			
C19-C36 Aliphatics	mg/kg dry wt	ND	11/21/08	CJM	34.1			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	11/21/08	CJM	34.1			
C11-C22 Aromatics	mg/kg dry wt	ND	11/21/08	CJM	34.1			
Acenaphthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Date Extracted EPH Solid		11/18/2008	11/21/08	CJM				

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-1S (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:
MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-1S (5-7 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46602

‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	11/20/08	CJM	33.3			
C19-C36 Aliphatics	mg/kg dry wt	ND	11/20/08	CJM	33.3			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	11/20/08	CJM	33.3			
C11-C22 Aromatics	mg/kg dry wt	ND	11/20/08	CJM	33.3			
Acenaphthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Date Extracted EPH Solid		11/18/2008	11/20/08	CJM				

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NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-1S (5-7 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:
MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-2N (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46594

‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	11/19/08	CJM	67.5			
C19-C36 Aliphatics	mg/kg dry wt	ND	11/19/08	CJM	67.5			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	11/19/08	CJM	67.5			
C11-C22 Aromatics	mg/kg dry wt	ND	11/19/08	CJM	67.5			
Acenaphthene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Acenaphthylene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Anthracene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Benzo(a)anthracene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Benzo(a)pyrene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Benzo(b)fluoranthene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Chrysene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Fluoranthene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Fluorene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
2-Methylnaphthalene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Naphthalene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Phenanthrene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Pyrene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Date Extracted EPH Solid		11/18/2008	11/19/08	CJM				

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NM = Not Measured

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‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-2N (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:
MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-2N (5-7) QC

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46593 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	11/20/08	CJM	36.4			
C19-C36 Aliphatics	mg/kg dry wt	ND	11/20/08	CJM	36.4			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	11/20/08	CJM	36.4			
C11-C22 Aromatics	mg/kg dry wt	ND	11/20/08	CJM	36.4			
Acenaphthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Date Extracted EPH Solid		11/18/2008	11/20/08	CJM				

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con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-2N (5-7) QC

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:
MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-3E (1-3 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46595

‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	11/19/08	CJM	67.6			
C19-C36 Aliphatics	mg/kg dry wt	ND	11/19/08	CJM	67.6			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	11/19/08	CJM	67.6			
C11-C22 Aromatics	mg/kg dry wt	ND	11/19/08	CJM	67.6			
Acenaphthene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Acenaphthylene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Anthracene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Benzo(a)anthracene	mg/kg dry wt	0.4	11/19/08	CJM	0.3			
Benzo(a)pyrene	mg/kg dry wt	0.4	11/19/08	CJM	0.3			
Benzo(b)fluoranthene	mg/kg dry wt	0.5	11/19/08	CJM	0.3			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Chrysene	mg/kg dry wt	0.5	11/19/08	CJM	0.3			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Fluoranthene	mg/kg dry wt	1.1	11/19/08	CJM	0.3			
Fluorene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
2-Methylnaphthalene	mg/kg dry wt	0.3	11/19/08	CJM	0.3			
Naphthalene	mg/kg dry wt	ND	11/19/08	CJM	0.3			
Phenanthrene	mg/kg dry wt	1.2	11/19/08	CJM	0.3			
Pyrene	mg/kg dry wt	1.1	11/19/08	CJM	0.3			
Date Extracted EPH Solid		11/18/2008	11/19/08	CJM				

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-3E (1-3 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-3E (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46597

‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	11/20/08	CJM	32.9			
C19-C36 Aliphatics	mg/kg dry wt	ND	11/20/08	CJM	32.9			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	11/20/08	CJM	32.9			
C11-C22 Aromatics	mg/kg dry wt	ND	11/20/08	CJM	32.9			
Acenaphthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Date Extracted EPH Solid		11/18/2008	11/20/08	CJM				

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con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-3E (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-3E (5-7 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46596

‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	5630	11/20/08	CJM	168			
C19-C36 Aliphatics	mg/kg dry wt	1250	11/20/08	CJM	168			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	1880	11/20/08	CJM	168			
C11-C22 Aromatics	mg/kg dry wt	1740	11/20/08	CJM	168			
Acenaphthene	mg/kg dry wt	6.6	11/20/08	CJM	0.6			
Acenaphthylene	mg/kg dry wt	14.8	11/20/08	CJM	0.6			
Anthracene	mg/kg dry wt	5.3	11/20/08	CJM	0.6			
Benzo(a)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.6			
Benzo(a)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.6			
Benzo(b)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.6			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/20/08	CJM	0.6			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.6			
Chrysene	mg/kg dry wt	ND	11/20/08	CJM	0.6			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.6			
Fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.6			
Fluorene	mg/kg dry wt	20.6	11/20/08	CJM	0.6			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.6			
2-Methylnaphthalene	mg/kg dry wt	65.7	11/20/08	CJM	0.6			
Naphthalene	mg/kg dry wt	16.4	11/20/08	CJM	0.6			
Phenanthrene	mg/kg dry wt	12.3	11/20/08	CJM	0.6			
Pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.6			
Date Extracted EPH Solid		11/18/2008	11/20/08	CJM				

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con-test ANALYTICAL LABORATORY

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-3E (5-7 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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NM = Not Measured

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con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-4E (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46607

‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	11/21/08	CJM	35.9			
C19-C36 Aliphatics	mg/kg dry wt	ND	11/21/08	CJM	35.9			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	11/21/08	CJM	35.9			
C11-C22 Aromatics	mg/kg dry wt	ND	11/21/08	CJM	35.9			
Acenaphthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Date Extracted EPH Solid		11/18/2008	11/21/08	CJM				

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con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-4E (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-4E (5-7 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46606

‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	11/21/08	CJM	192			
C19-C36 Aliphatics	mg/kg dry wt	ND	11/21/08	CJM	192			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	11/21/08	CJM	192			
C11-C22 Aromatics	mg/kg dry wt	ND	11/21/08	CJM	192			
Acenaphthene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Acenaphthylene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Benzo(a)anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Benzo(a)pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Benzo(b)fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Chrysene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Fluorene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
2-Methylnaphthalene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Naphthalene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Phenanthrene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.7			
Date Extracted EPH Solid		11/18/2008	11/21/08	CJM				

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con-test® ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-4E (5-7 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-4W (1-3 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46599

‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	11/20/08	CJM	35.4			
C19-C36 Aliphatics	mg/kg dry wt	ND	11/20/08	CJM	35.4			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	11/20/08	CJM	35.4			
C11-C22 Aromatics	mg/kg dry wt	ND	11/20/08	CJM	35.4			
Acenaphthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Date Extracted EPH Solid		11/18/2008	11/20/08	CJM				

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con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-4W (1-3 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:
MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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con-test ANALYTICAL LABORATORY

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-4W (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46601 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	11/20/08	CJM	33.6			
C19-C36 Aliphatics	mg/kg dry wt	ND	11/20/08	CJM	33.6			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	11/20/08	CJM	33.6			
C11-C22 Aromatics	mg/kg dry wt	ND	11/20/08	CJM	33.6			
Acenaphthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Date Extracted EPH Solid		11/18/2008	11/20/08	CJM				

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con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-4W (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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con-test ANALYTICAL LABORATORY

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-4W (5-7 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46600

‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	11/20/08	CJM	33.6			
C19-C36 Aliphatics	mg/kg dry wt	ND	11/20/08	CJM	33.6			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	11/20/08	CJM	33.6			
C11-C22 Aromatics	mg/kg dry wt	ND	11/20/08	CJM	33.6			
Acenaphthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.2			
Date Extracted EPH Solid		11/18/2008	11/20/08	CJM				

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con-test ANALYTICAL LABORATORY

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-4W (5-7 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-5C (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46605

‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	11/21/08	CJM	34.7			
C19-C36 Aliphatics	mg/kg dry wt	ND	11/21/08	CJM	34.7			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	11/21/08	CJM	34.7			
C11-C22 Aromatics	mg/kg dry wt	ND	11/21/08	CJM	34.7			
Acenaphthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Date Extracted EPH Solid		11/18/2008	11/21/08	CJM				

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con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-5C (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:
MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-5C (5-7 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46604

‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	11/21/08	CJM	36.0			
C19-C36 Aliphatics	mg/kg dry wt	ND	11/21/08	CJM	36.0			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	11/21/08	CJM	36.0			
C11-C22 Aromatics	mg/kg dry wt	ND	11/21/08	CJM	36.0			
Acenaphthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Acenaphthylene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(a)anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(a)pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(b)fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Chrysene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Fluoranthene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Fluorene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
2-Methylnaphthalene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Naphthalene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Phenanthrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Pyrene	mg/kg dry wt	ND	11/21/08	CJM	0.2			
Date Extracted EPH Solid		11/18/2008	11/21/08	CJM				

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-5C (5-7 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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con-test ANALYTICAL LABORATORY

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-6E (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46598 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
C9-C18 Aliphatics	mg/kg dry wt	ND	11/20/08	CJM	66.5			
C19-C36 Aliphatics	mg/kg dry wt	ND	11/20/08	CJM	66.5			
Unadjusted C11-C22 Aromatics	mg/kg dry wt	ND	11/20/08	CJM	66.5			
C11-C22 Aromatics	mg/kg dry wt	ND	11/20/08	CJM	66.5			
Acenaphthene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Acenaphthylene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Benzo(a)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Benzo(a)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Benzo(b)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Benzo(k)fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Chrysene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Dibenzo(a,h)anthracene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Fluoranthene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Fluorene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
2-Methylnaphthalene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Naphthalene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Phenanthrene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Pyrene	mg/kg dry wt	ND	11/20/08	CJM	0.3			
Date Extracted EPH Solid		11/18/2008	11/20/08	CJM				

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-6E (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:

MADEP-EPH-04-1

SAMPLES ARE EXTRACTED WITH METHYLENE CHLORIDE AND ACETONE BY PRESSURIZED FLUID EXTRACTION (SW846 3545) OR MICROWAVE (SW846 3546), EXCHANGED INTO HEXANE AND CONCENTRATED. ALIPHATIC AND AROMATIC FRACTIONS ARE SEPARATED. ANALYSIS IS BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION. PAH AND C11-C22 AROMATICS ARE DETERMINED IN THE METHYLENE CHLORIDE FRACTION. C9-C18 AND C19-C36 ALIPHATICS ARE DETERMINED IN THE HEXANE FRACTION. TARGET COMPOUND CONTRIBUTIONS ARE SUBTRACTED FROM THE SUMMED AROMATIC RANGE, BUT NOT FROM THE UNADJUSTED C11-C22 AROMATIC RANGE.

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650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

11/21/2008

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Field Sample # : LEAD-1 (1-3 FT.)

Sample ID : 08B46592 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	28.6	11/20/08	OP	0.85			

Field Sample # : LEAD-2 (2-3 FT.)

Sample ID : 08B46591 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	28.3	11/20/08	OP	0.85			

Field Sample # : LEAD-3 (1-3 FT.)

Sample ID : 08B46590 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	41.2	11/20/08	OP	0.98			

Field Sample # : LEAD-4 (1-2.5 FT.)

Sample ID : 08B46589 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	101	11/20/08	OP	1.04			

Field Sample # : LEAD-5 (0.5-2 FT.)

Sample ID : 08B46588 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	443	11/20/08	OP	1.07			

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LOWELL, MA 01852

Purchase Order No.:

11/21/2008

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Field Sample # : UST-2N (5-7) QC

Sample ID : 08B46593 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	21.9	11/20/08	OP	0.91			

Field Sample # : UST-3E (1-3 FT.)

Sample ID : 08B46595 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	27.5	11/20/08	OP	0.85			

Field Sample # : UST-3E (11-12 FT.)

Sample ID : 08B46597 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	8.98	11/20/08	OP	0.83			

Field Sample # : UST-4W (1-3 FT.)

Sample ID : 08B46599 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	39.5	11/20/08	OP	0.89			

Field Sample # : UST-4W (11-12 FT.)

Sample ID : 08B46601 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	2.25	11/20/08	OP	0.84			

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008
Field Sample # : UST-6E (11-12 FT.)

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Sample ID : 08B46598

‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/kg dry wt	22.1	11/20/08	OP	0.84			

Analytical Method:
SW846 3050/6010
SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Field Sample # : LEAD-1 (1-3 FT.)

Sample ID : 08B46592 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	89.0	11/19/08	JM				

Field Sample # : LEAD-2 (2-3 FT.)

Sample ID : 08B46591 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	88.3	11/19/08	JM				

Field Sample # : LEAD-3 (1-3 FT.)

Sample ID : 08B46590 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	77.0	11/19/08	JM				

Field Sample # : LEAD-4 (1-2.5 FT.)

Sample ID : 08B46589 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	72.4	11/19/08	JM				

Field Sample # : LEAD-5 (0.5-2 FT.)

Sample ID : 08B46588 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	70.4	11/19/08	JM				

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Purchase Order No.:

11/21/2008

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Field Sample # : UST-1S (11-12 FT.)

Sample ID : 08B46603 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	88.1	11/19/08	JM				

Field Sample # : UST-1S (5-7 FT.)

Sample ID : 08B46602 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	90.2	11/19/08	JM				

Field Sample # : UST-2N (11-12 FT.)

Sample ID : 08B46594 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	88.9	11/19/08	JM				

Field Sample # : UST-2N (5-7) QC

Sample ID : 08B46593 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	82.6	11/19/08	JM				

Field Sample # : UST-3E (1-3 FT.)

Sample ID : 08B46595 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	88.8	11/19/08	JM				

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Purchase Order No.:

11/21/2008

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Field Sample # : UST-3E (11-12 FT.)

Sample ID : 08B46597 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	91.3	11/19/08	JM				

Field Sample # : UST-3E (5-7 FT.)

Sample ID : 08B46596 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	89.4	11/19/08	JM				

Field Sample # : UST-4E (11-12 FT.)

Sample ID : 08B46607 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	83.7	11/19/08	JM				

Field Sample # : UST-4E (5-7 FT.)

Sample ID : 08B46606 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	31.3	11/19/08	JM				

Field Sample # : UST-4W (1-3 FT.)

Sample ID : 08B46599 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	84.9	11/19/08	JM				

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Purchase Order No.:

11/21/2008

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Field Sample # : UST-4W (11-12 FT.)

Sample ID : 08B46601 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	89.3	11/19/08	JM				

Field Sample # : UST-4W (5-7 FT.)

Sample ID : 08B46600 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	89.3	11/19/08	JM				

Field Sample # : UST-5C (11-12 FT.)

Sample ID : 08B46605 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	86.5	11/19/08	JM				

Field Sample # : UST-5C (5-7 FT.)

Sample ID : 08B46604 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	83.4	11/19/08	JM				

Field Sample # : UST-6E (11-12 FT.)

Sample ID : 08B46598 ‡Sampled : 11/14/2008
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	90.3	11/19/08	JM				

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

11/21/2008

Purchase Order No.:

Project Location: KEITH JUNIOR HIGH
Date Received: 11/17/2008

LIMS-BAT #: LIMT-21444
Job Number: 115058-000280-

Analytical Method:
SM 2540G
PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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

DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
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** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 11/21/2008 Lims Bat # : LIMT-21444

QC Batch Number: GC/FID-22697

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B46593					
	Naphthalene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	3.4	mg/kg dry wt	
		Matrix Spike % Rec.	57.2	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	3.5	mg/kg dry wt	
		MSD % Recovery	59.2	%	40-140
		MSD Range	1.9	units	
		MS Duplicate RPD	3.3	%	
	Acenaphthene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.2	mg/kg dry wt	
		Matrix Spike % Rec.	69.5	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	4.4	mg/kg dry wt	
		MSD % Recovery	73.1	%	40-140
		MSD Range	3.5	units	
		MS Duplicate RPD	4.9	%	
	Acenaphthylene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.3	mg/kg dry wt	
		Matrix Spike % Rec.	71.4	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	4.4	mg/kg dry wt	
		MSD % Recovery	74.1	%	40-140
		MSD Range	2.6	units	
		MS Duplicate RPD	3.6	%	
	Anthracene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.5	mg/kg dry wt	
		Matrix Spike % Rec.	75.1	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	4.8	mg/kg dry wt	
		MSD % Recovery	79.9	%	40-140
		MSD Range	4.8	units	
		MS Duplicate RPD	6.2	%	
	Benzo(a)anthracene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.2	mg/kg dry wt	
		Matrix Spike % Rec.	70.1	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	4.6	mg/kg dry wt	
		MSD % Recovery	76.3	%	40-140

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B46593					
	Benzo(a)anthracene	MSD Range	6.1	units	
		MS Duplicate RPD	8.3	%	
	Benzo(a)pyrene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.2	mg/kg dry wt	
		Matrix Spike % Rec.	69.7	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	4.5	mg/kg dry wt	
		MSD % Recovery	75.9	%	40-140
		MSD Range	6.1	units	
		MS Duplicate RPD	8.4	%	
	Benzo(b)fluoranthene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.4	mg/kg dry wt	
		Matrix Spike % Rec.	73.9	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	4.9	mg/kg dry wt	
		MSD % Recovery	81.0	%	40-140
		MSD Range	7.1	units	
		MS Duplicate RPD	9.2	%	
	Benzo(g,h,i)perylene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.2	mg/kg dry wt	
		Matrix Spike % Rec.	69.7	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	4.4	mg/kg dry wt	
		MSD % Recovery	74.0	%	40-140
		MSD Range	4.3	units	
		MS Duplicate RPD	6.0	%	
	Chrysene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.4	mg/kg dry wt	
		Matrix Spike % Rec.	73.9	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	4.8	mg/kg dry wt	
		MSD % Recovery	79.3	%	40-140
		MSD Range	5.3	units	
		MS Duplicate RPD	6.9	%	
	Dibenzo(a,h)anthracene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.1	mg/kg dry wt	
		Matrix Spike % Rec.	68.8	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	

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Method Blanks

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QC Batch Number: GC/FID-22697

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B46593					
	Dibenzo(a,h)anthracene	MSD Amt Measured	4.5	mg/kg dry wt	
		MSD % Recovery	74.9	%	40-140
		MSD Range	6.1	units	
		MS Duplicate RPD	8.4	%	
	Fluoranthene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.4	mg/kg dry wt	
		Matrix Spike % Rec.	73.9	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	4.8	mg/kg dry wt	
		MSD % Recovery	79.7	%	40-140
		MSD Range	5.8	units	
		MS Duplicate RPD	7.5	%	
	Fluorene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.4	mg/kg dry wt	
		Matrix Spike % Rec.	73.1	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	4.6	mg/kg dry wt	
		MSD % Recovery	77.3	%	40-140
		MSD Range	4.1	units	
		MS Duplicate RPD	5.5	%	
	Indeno(1,2,3-cd)pyrene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.0	mg/kg dry wt	
		Matrix Spike % Rec.	67.0	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	4.4	mg/kg dry wt	
		MSD % Recovery	73.4	%	40-140
		MSD Range	6.3	units	
		MS Duplicate RPD	9.0	%	
	2-Methylnaphthalene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	3.9	mg/kg dry wt	
		Matrix Spike % Rec.	64.5	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	3.9	mg/kg dry wt	
		MSD % Recovery	65.6	%	40-140
		MSD Range	1.0	units	
		MS Duplicate RPD	1.6	%	
	Phenanthrene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.4	mg/kg dry wt	

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08B46593					
	Phenanthrene	Matrix Spike % Rec.	73.2	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	4.7	mg/kg dry wt	
		MSD % Recovery	78.0	%	40-140
		MSD Range	4.8	units	
		MS Duplicate RPD	6.3	%	
	Pyrene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.6	mg/kg dry wt	
		Matrix Spike % Rec.	76.9	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	5.0	mg/kg dry wt	
		MSD % Recovery	83.0	%	40-140
		MSD Range	6.0	units	
		MS Duplicate RPD	7.5	%	
	Benzo(k)fluoranthene	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	4.3	mg/kg dry wt	
		Matrix Spike % Rec.	71.8	%	40-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	4.6	mg/kg dry wt	
		MSD % Recovery	77.3	%	40-140
		MSD Range	5.5	units	
		MS Duplicate RPD	7.3	%	
	2-Fluorobiphenyl	Surrogate Recovery	79.7	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	77.2	%	40-140
	n-Nonane	Sample Amount	<0.2	mg/kg dry wt	
		Matrix Spk Amt Added	6.0	mg/kg dry wt	
		MS Amt Measured	2.0	mg/kg dry wt	
		Matrix Spike % Rec.	34.6	%	30-140
		MSD Amount Added	6.0	mg/kg dry wt	
		MSD Amt Measured	2.3	mg/kg dry wt	
		MSD % Recovery	39.1	%	30-140
		MSD Range	4.4	units	
		MS Duplicate RPD	12.1	%	
	Unadjusted C11-C22 Aromatics	Sample Amount	<36.4	mg/kg dry wt	
		Matrix Spk Amt Added	102.9	mg/kg dry wt	
		MS Amt Measured	77.2	mg/kg dry wt	
		Matrix Spike % Rec.	75.0	%	40-140
		MSD Amount Added	102.9	mg/kg dry wt	
		MSD Amt Measured	82.1	mg/kg dry wt	
		MSD % Recovery	79.7	%	40-140
		MSD Range	4.7	units	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B46593					
	Unadjusted C11-C22 Aromatics	MS Duplicate RPD	6.1	%	
	Chlorooctadecane	Sur. Recovery	76.0	%	40-140
	C9-C18 Aliphatics	Sample Amount	<36.4	mg/kg dry wt	
		Matrix Spk Amt Added	36.3	mg/kg dry wt	
		MS Amt Measured	26.4	mg/kg dry wt	
		Matrix Spike % Rec.	72.7	%	40-140
		MSD Amount Added	36.3	mg/kg dry wt	
		MSD Amt Measured	29.0	mg/kg dry wt	
		MSD % Recovery	80.0	%	40-140
		MSD Range	7.2	units	
		MS Duplicate RPD	9.5	%	
	C19-C36 Aliphatics	Sample Amount	<36.4	mg/kg dry wt	
		Matrix Spk Amt Added	48.4	mg/kg dry wt	
		MS Amt Measured	43.5	mg/kg dry wt	
		Matrix Spike % Rec.	89.9	%	40-140
		MSD Amount Added	48.4	mg/kg dry wt	
		MSD Amt Measured	46.1	mg/kg dry wt	
		MSD % Recovery	95.2	%	40-140
		MSD Range	5.2	units	
		MS Duplicate RPD	5.6	%	
	Terphenyl	Sur. Recovery	77.8	%	40-140
08B46594					
	2-Fluorobiphenyl	Surrogate Recovery	68.3	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	54.8	%	40-140
	Chlorooctadecane	Sur. Recovery	112.9	%	40-140
	Terphenyl	Sur. Recovery	93.9	%	40-140
08B46595					
	2-Fluorobiphenyl	Surrogate Recovery	73.3	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	59.1	%	40-140
	Chlorooctadecane	Sur. Recovery	111.6	%	40-140
	Terphenyl	Sur. Recovery	97.8	%	40-140
08B46596					
	2-Fluorobiphenyl	Surrogate Recovery	72.2	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	58.3	%	40-140
	Chlorooctadecane	Sur. Recovery	68.6	%	40-140
	Terphenyl	Sur. Recovery	145.5	%	40-140
08B46597					
	2-Fluorobiphenyl	Surrogate Recovery	70.6	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	74.7	%	40-140
	Chlorooctadecane	Sur. Recovery	63.2	%	40-140
	Terphenyl	Sur. Recovery	73.7	%	40-140
08B46598					
	2-Fluorobiphenyl	Surrogate Recovery	73.7	%	40-140

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08B46598					
	2-Bromonaphthalene	Surrogate Recovery	78.6	%	40-140
	Chlorooctadecane	Sur. Recovery	66.8	%	40-140
	Terphenyl	Sur. Recovery	85.1	%	40-140
08B46599					
	2-Fluorobiphenyl	Surrogate Recovery	69.8	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	75.4	%	40-140
	Chlorooctadecane	Sur. Recovery	61.4	%	40-140
	Terphenyl	Sur. Recovery	62.4	%	40-140
08B46600					
	2-Fluorobiphenyl	Surrogate Recovery	74.2	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	79.7	%	40-140
	Chlorooctadecane	Sur. Recovery	74.5	%	40-140
	Terphenyl	Sur. Recovery	71.2	%	40-140
08B46601					
	2-Fluorobiphenyl	Surrogate Recovery	91.1	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	94.1	%	40-140
	Chlorooctadecane	Sur. Recovery	80.5	%	40-140
	Terphenyl	Sur. Recovery	83.6	%	40-140
08B46602					
	2-Fluorobiphenyl	Surrogate Recovery	57.7	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	58.8	%	40-140
	Chlorooctadecane	Sur. Recovery	71.2	%	40-140
	Terphenyl	Sur. Recovery	82.6	%	40-140
08B46603					
	2-Fluorobiphenyl	Surrogate Recovery	89.3	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	92.5	%	40-140
	Chlorooctadecane	Sur. Recovery	80.6	%	40-140
	Terphenyl	Sur. Recovery	77.9	%	40-140
08B46604					
	2-Fluorobiphenyl	Surrogate Recovery	91.8	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	95.3	%	40-140
	Chlorooctadecane	Sur. Recovery	85.6	%	40-140
	Terphenyl	Sur. Recovery	82.5	%	40-140
08B46605					
	2-Fluorobiphenyl	Surrogate Recovery	94.7	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	99.2	%	40-140
	Chlorooctadecane	Sur. Recovery	81.3	%	40-140
	Terphenyl	Sur. Recovery	77.5	%	40-140
08B46606					
	2-Fluorobiphenyl	Surrogate Recovery	88.2	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	90.4	%	40-140
	Chlorooctadecane	Sur. Recovery	106.5	%	40-140
	Terphenyl	Sur. Recovery	115.7	%	40-140

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08B46607					
	2-Fluorobiphenyl	Surrogate Recovery	94.4	%	40-140
	2-Bromonaphthalene	Surrogate Recovery	97.8	%	40-140
	Chlorooctadecane	Sur. Recovery	80.4	%	40-140
	Terphenyl	Sur. Recovery	79.5	%	40-140
BLANK-126850					
	Naphthalene	Blank	<0.2	mg/kg dry wt	
	Acenaphthene	Blank	<0.2	mg/kg dry wt	
	Acenaphthylene	Blank	<0.2	mg/kg dry wt	
	Anthracene	Blank	<0.2	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.2	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.2	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.2	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.2	mg/kg dry wt	
	Chrysene	Blank	<0.2	mg/kg dry wt	
	Dibenzo(a,h)anthracene	Blank	<0.2	mg/kg dry wt	
	Fluoranthene	Blank	<0.2	mg/kg dry wt	
	Fluorene	Blank	<0.2	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.2	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.2	mg/kg dry wt	
	Phenanthrene	Blank	<0.2	mg/kg dry wt	
	Pyrene	Blank	<0.2	mg/kg dry wt	
	Benzo(k)fluoranthene	Blank	<0.2	mg/kg dry wt	
	n-Nonane	Blank	<0.2	mg/kg dry wt	
	Naphthalene Aliphatic Fraction	Blank	<0.2	mg/kg dry wt	
	2-Methylnaphthalene Aliphatic Fraction	Blank	<0.2	mg/kg dry wt	
	Unadjusted C11-C22 Aromatics	Blank	<30.1	mg/kg dry wt	
	C9-C18 Aliphatics	Blank	<30.1	mg/kg dry wt	
	C19-C36 Aliphatics	Blank	<30.1	mg/kg dry wt	
	C11-C22 Aromatics	Blank	<30.1	mg/kg dry wt	
LFBLANK-88746					
	Naphthalene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	2.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.8	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.9	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.0	%	40-140
		Lab Fort Blank Range	5.1	units	
		Lab Fort Bl. Av. Rec	55.4	%	
		LFB Duplicate RPD	9.3	%	0-25
	Acenaphthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.0	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.2	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	

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LFBLANK-88746					
	Acenaphthene	Dup Lab Fort Bl. Fnd	3.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.2	%	40-140
		Lab Fort Blank Range	6.9	units	
		Lab Fort Bl. Av. Rec	63.7	%	
		LFB Duplicate RPD	10.9	%	0-25
	Acenaphthylene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.0	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.9	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.7	%	40-140
		Lab Fort Blank Range	6.8	units	
		Lab Fort Bl. Av. Rec	64.3	%	
		LFB Duplicate RPD	10.6	%	0-25
	Anthracene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.2	mg/kg dry wt	
		Lab Fort Blk. % Rec.	65.2	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.7	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.5	%	40-140
		Lab Fort Blank Range	9.3	units	
		Lab Fort Bl. Av. Rec	69.8	%	
		LFB Duplicate RPD	13.4	%	0-25
	Benzo(a)anthracene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.1	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.1	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.5	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	71.6	%	40-140
		Lab Fort Blank Range	9.5	units	
		Lab Fort Bl. Av. Rec	66.8	%	
		LFB Duplicate RPD	14.2	%	0-25
	Benzo(a)pyrene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.1	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.0	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.5	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	71.2	%	40-140
		Lab Fort Blank Range	9.2	units	
		Lab Fort Bl. Av. Rec	66.6	%	
		LFB Duplicate RPD	13.8	%	0-25
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.2	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 11/21/2008 Lims Bat # : LIMT-21444

QC Batch Number: GC/FID-22697

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-88746					
	Benzo(b)fluoranthene	Lab Fort Blk. % Rec.	65.9	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.8	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	76.0	%	40-140
		Lab Fort Blank Range	10.0	units	
		Lab Fort Bl. Av. Rec	70.9	%	
		LFB Duplicate RPD	14.2	%	0-25
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.1	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.4	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.5	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	71.7	%	40-140
		Lab Fort Blank Range	9.2	units	
		Lab Fort Bl. Av. Rec	67.0	%	
		LFB Duplicate RPD	13.8	%	0-25
	Chrysene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.2	mg/kg dry wt	
		Lab Fort Blk. % Rec.	65.1	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.7	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.7	%	40-140
		Lab Fort Blank Range	9.5	units	
		Lab Fort Bl. Av. Rec	69.9	%	
		LFB Duplicate RPD	13.6	%	0-25
	Dibenzo(a,h)anthracene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.0	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.3	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.5	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	70.9	%	40-140
		Lab Fort Blank Range	9.6	units	
		Lab Fort Bl. Av. Rec	66.1	%	
		LFB Duplicate RPD	14.6	%	0-25
	Fluoranthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.2	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.9	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.7	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.6	%	40-140
		Lab Fort Blank Range	9.7	units	
		Lab Fort Bl. Av. Rec	69.7	%	
		LFB Duplicate RPD	13.8	%	0-25

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QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 11/21/2008 Lims Bat # : LIMT-21444

QC Batch Number: GC/FID-22697

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-88746					
	Fluorene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.1	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.4	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.5	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	70.3	%	40-140
		Lab Fort Blank Range	7.9	units	
		Lab Fort Bl. Av. Rec	66.4	%	
		LFB Duplicate RPD	11.9	%	0-25
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	2.9	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.6	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.4	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	68.9	%	40-140
		Lab Fort Blank Range	9.2	units	
		Lab Fort Bl. Av. Rec	64.2	%	
		LFB Duplicate RPD	14.4	%	0-25
	2-Methylnaphthalene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	2.8	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.4	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.1	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.1	%	40-140
		Lab Fort Blank Range	5.6	units	
		Lab Fort Bl. Av. Rec	60.2	%	
		LFB Duplicate RPD	9.3	%	0-25
	Phenanthrene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.1	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.5	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.6	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	72.3	%	40-140
		Lab Fort Blank Range	8.8	units	
		Lab Fort Bl. Av. Rec	67.9	%	
		LFB Duplicate RPD	12.9	%	0-25
	Pyrene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.3	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.6	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.8	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	77.8	%	40-140
		Lab Fort Blank Range	10.1	units	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 11/21/2008 Lims Bat # : LIMT-21444

QC Batch Number: GC/FID-22697

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-88746					
	Pyrene	Lab Fort Bl. Av. Rec	72.7	%	
		LFB Duplicate RPD	13.9	%	0-25
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	3.1	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.4	%	40-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	3.6	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	73.0	%	40-140
		Lab Fort Blank Range	9.5	units	
		Lab Fort Bl. Av. Rec	68.2	%	
		LFB Duplicate RPD	14.0	%	0-25
	n-Nonane	Lab Fort Blank Amt.	5.0	mg/kg dry wt	
		Lab Fort Blk. Found	2.3	mg/kg dry wt	
		Lab Fort Blk. % Rec.	46.0	%	30-140
		Dup Lab Fort Bl Amt.	5.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	2.1	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	42.1	%	30-140
		Lab Fort Blank Range	3.8	units	
		Lab Fort Bl. Av. Rec	44.0	%	
		LFB Duplicate RPD	8.7	%	
	Naphthalene Aliphatic Fraction	Lab Fort Blank Amt.	2.6	mg/kg dry wt	
		Lab Fort Blk. Found	0.0	mg/kg dry wt	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort Bl Amt.	2.9	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.0	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	0.0	%	0-5
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	0.0	%	
	2-Methylnaphthalene Aliphatic Fraction	Lab Fort Blank Amt.	2.8	mg/kg dry wt	
		Lab Fort Blk. Found	0.0	mg/kg dry wt	
		Lab Fort Blk. % Rec.	0.0	%	0-5
		Dup Lab Fort Bl Amt.	3.1	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.0	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	0.0	%	0-5
		Lab Fort Blank Range	0.0	units	
		Lab Fort Bl. Av. Rec	0.0	%	
	Unadjusted C11-C22 Aromatics	Lab Fort Blank Amt.	85.0	mg/kg dry wt	
		Lab Fort Blk. Found	57.3	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.5	%	40-140
		Dup Lab Fort Bl Amt.	85.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	64.6	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	76.0	%	40-140
		Lab Fort Blank Range	8.5	units	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 11/21/2008 Lims Bat # : LIMT-21444

QC Batch Number: GC/FID-22697

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-88746					
	Unadjusted C11-C22 Aromatics	Lab Fort Bl. Av. Rec	71.7	%	
		LFB Duplicate RPD	11.9	%	0-25
	C9-C18 Aliphatics	Lab Fort Blank Amt.	30.0	mg/kg dry wt	
		Lab Fort Blk. Found	24.3	mg/kg dry wt	
		Lab Fort Blk. % Rec.	81.0	%	40-140
		Dup Lab Fort Bl Amt.	30.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	20.3	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.6	%	40-140
		Lab Fort Blank Range	13.4	units	
		Lab Fort Bl. Av. Rec	74.3	%	
		LFB Duplicate RPD	18.0	%	0-25
	C19-C36 Aliphatics	Lab Fort Blank Amt.	40.0	mg/kg dry wt	
		Lab Fort Blk. Found	33.8	mg/kg dry wt	
		Lab Fort Blk. % Rec.	84.5	%	40-140
		Dup Lab Fort Bl Amt.	40.0	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	31.7	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	79.3	%	40-140
		Lab Fort Blank Range	5.2	units	
		Lab Fort Bl. Av. Rec	81.9	%	
		LFB Duplicate RPD	6.3	%	0-25

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 11/21/2008 Lims Bat # : LIMT-21444

QC Batch Number: ICP-20690

Sample Id	Analysis	QC Analysis	Values	Units	Limits
08B46593					
	Lead	Sample Amount	21.85	mg/kg dry wt	
		Duplicate Value	21.09	mg/kg dry wt	
		Duplicate RPD	3.55	%	0-35
		Sample Amount	21.85	mg/kg dry wt	
		Matrix Spk Amt Added	30.26	mg/kg dry wt	
		MS Amt Measured	40.57	mg/kg dry wt	
		Matrix Spike % Rec.	61.84	%	75-125
		MSD Amount Added	30.26	mg/kg dry wt	
		MSD Amt Measured	38.89	mg/kg dry wt	
		MSD % Recovery	56.30	%	75-125
		MSD Range	5.54	units	
		MS Duplicate RPD	4.21	%	0-35
BLANK-126848					
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Cadmium	Blank	0.94	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
LFBLANK-88745					
	Arsenic	Lab Fort Blank Amt.	133.00	mg/kg dry wt	
		Lab Fort Blk. Found	125.54	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.39	%	80-120
		Dup Lab Fort Bl Amt.	133.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	118.85	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.36	%	80-120
		Lab Fort Blank Range	5.03	units	
		Lab Fort Bl. Av. Rec	91.87	%	
		LFB Duplicate RPD	5.47	%	0-30
	Cadmium	Lab Fort Blank Amt.	103.00	mg/kg dry wt	
		Lab Fort Blk. Found	97.45	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.61	%	83-117
		Dup Lab Fort Bl Amt.	103.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	90.50	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.86	%	83-117
		Lab Fort Blank Range	6.74	units	
		Lab Fort Bl. Av. Rec	91.23	%	
		LFB Duplicate RPD	7.39	%	0-30
	Chromium	Lab Fort Blank Amt.	219.00	mg/kg dry wt	
		Lab Fort Blk. Found	232.04	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.95	%	82-118
		Dup Lab Fort Bl Amt.	219.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	213.70	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.57	%	82-118
		Lab Fort Blank Range	8.37	units	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 11/21/2008 Lims Bat # : LIMT-21444

QC Batch Number: ICP-20690

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-88745					
	Chromium	Lab Fort Bl. Av. Rec	101.76	%	
		LFB Duplicate RPD	8.22	%	0-30
	Lead	Lab Fort Blank Amt.	168.00	mg/kg dry wt	
		Lab Fort Blk. Found	147.88	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.02	%	82-118
		Dup Lab Fort Bl Amt.	168.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	141.00	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	83.92	%	82-118
		Lab Fort Blank Range	4.10	units	
		Lab Fort Bl. Av. Rec	85.97	%	
		LFB Duplicate RPD	4.76	%	0-30

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QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: LIMT-21444
Project Location: KEITH JUNIOR HIGH	MADEP RTN[1]:

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

08B46588-08B46607

Sample Matrices: ☐ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other: _____

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH (X)	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☐ Yes ☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☐ Yes ☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☐ Yes ☐ No[1]
D	*VPH and EPH Methods only*: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☐ Yes ☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☒ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☒ No[1]

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

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

Signature: _____	**Position: Technical Director**
Printed Name: Edward Denson	**Date:** _____

CON-TEST ANALYTICAL LABORATORY
39 Spruce Street
East Longmeadow, MA 01028-0591

Frac. Check Gilson Fractionator (FCS)

Silica Lot:	***S212-39***	Vendor:	**PHENOMENEX**
Frac Check Lot:	082008 PJG	Amount of DCM collected:	5000 uL
Hexane Lot:	48130	Amount of Hexane collected:	2000 uL
DCM Lot:	CX086		
Acetone Lot:	48067	Data File:	082008 D018A.D

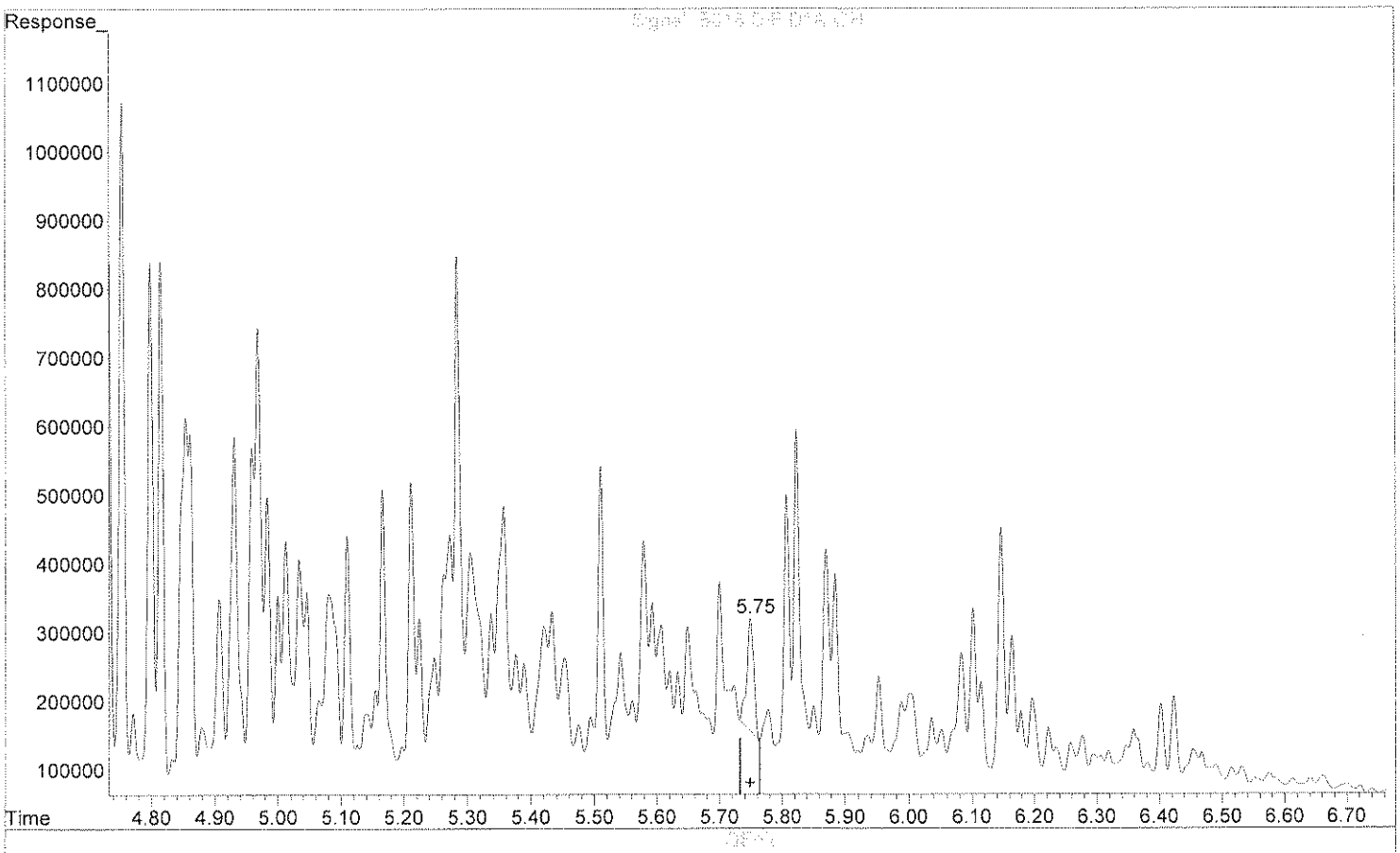
Compound	Conc.(ppm)	2000ul	% REC	Limits
Naphthalene	50	37.760	76%	40-140
2-Methylnaphthalene	50	40.274	81%	40-140
Acenaphthalene	50	41.814	84%	40-140
Acenaphthene	50	41.170	82%	40-140
Fluorene	50	42.713	85%	40-140
Phenanthrene	50	43.139	86%	40-140
Anthracene	50	46.094	92%	40-140
o-Terphenyl (surr)	50	43.747	87%	40-140
Fluoranthene	50	43.708	87%	40-140
Pyrene	50	45.494	91%	40-140
Benzo(a)anthracene	50	44.940	90%	40-140
Chrysene	50	45.360	91%	40-140
Benzo(b)fluoranthene	50	45.417	91%	40-140
Benzo(k)fluoranthene	50	44.979	90%	40-140
Benzo(a)pyrene	50	46.350	93%	40-140
Indeno(123cd)pyrene	50	42.976	86%	40-140
Dibenzo(ah)anthracene	50	44.855	90%	40-140
Benzo(ghi)perylene	50	45.005	90%	40-140
C9	50	32.384	65%	30-140
C10	50	34.434	69%	40-140
C12	50	36.921	74%	40-140
C14	50	39.621	79%	40-140
C16	50	41.623	83%	40-140
C18	50	41.312	83%	40-140
C19	50	42.241	84%	40-140
C20	50	42.503	85%	40-140
1-Chloro-octadecane (surr)	50	39.134	78%	40-140
C22	50	43.371	87%	40-140
C24	50	42.586	85%	40-140
C26	50	43.256	87%	40-140
C28	50	41.956	84%	40-140
C30	50	41.549	83%	40-140
C36	50	41.513	83%	40-140
Fractionation Surrogates				
2-Flourobiphenyl	50	43.758	88%	40-140
2-Bromonaphthalene	50	43.393	87%	40-140
Aliphatic Bleed thru			% (<5%)	
Naphthalene	0		**0.000**	
2-Methylnaphthalene	0		**0.000**	

Quantitation Report (Qedit)

Data Path : C:\MSDChem\2\DATA\112008\
Data File : B018.D
Signal(s) : FID1A.CH
Acq On : 20 Nov 2008 3:46 pm
Operator : CJM
Sample : 08B46596 RF 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File: AROM.E
Quant Time: Nov 21 09:37:31 2008
Quant Method : C:\MSDCHEM\2\METHODS\AR1014A.M
Quant Title :
QLast Update : Fri Oct 24 11:29:34 2008
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :



(10) o-Terphenyl (S)

5.75min 14.558ug/mL

response 1272826

MATRIX INTERFERENCE

(+) = Expected Retention Time

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CHAIN OF CUSTODY RECORD

LIM-21444

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

Company Name: TRC Environmental
Address: 650 Suffolk Street, Lowell, MA 01854
Attention: Dave Sullivan
Project Location: Keith Junior High
Sampled By: Emilie Wachtel

Telephone: (978) 970-5600
Project # 115058-000280-000010
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax #: 978-453-1995
Email: dsullivan@trcsolutions.com
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes _____ proposal date

State Form Required? ☐ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 08B	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	EPH	Lead									# of containers	**Preservation	~Cont.Code
									3	1											
									I	I											
									A	A											
	Lead-5 (0.5-2')	46588	11/14/08	900	X		S			X											
	Lead-4 (1-2.5')	46589		915	X		S			X											
	Lead-3 (1-3')	46590		925	X		S			X											
	Lead-2 (2-3')	46591		935	X		S			X											
	Lead-1 (1-3')	46592		945	X		S			X											
	UST-2N (5-7)	46593		1030	X		S		X	X											
	UST-2N (11-12')	46594		1045	X		S		X												
	UST-3E (1-3')	46595		1100	X		S		X	X											

ANALYSIS REQUESTED

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

Client Comments:

* Please run the full suite of EPH including carbon ranges and the PAHs.

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:
Emilie Wachtel	11/14/08 1245
Received by: (signature)	Date/Time: 1245 11-17-08
Relinquished by: (signature)	Date/Time: 1200 11-17-08
Received by: (signature) 5°C	Date/Time: 1700 11/17/08

Turnaround **
☒ 7-Day
☐ 10-Day
☐ Other ____

RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day

* Require lab approval

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

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

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

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

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Fax: 413-525-6405
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CHAIN OF CUSTODY RECORD

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

CIMT-91444

Company Name:
Address:
See Page 1
Attention:
Project Location:
Sampled By:

Telephone:( )
Project #
Client PO #

DATA DELIVERY (check one):
❒FAX ❒EMAIL ❒WEBSITE CLIENT
Fax # :
Email:
Format: ❒ EXCEL ❒ PDF ❒ GIS KEY
❒ OTHER

Proposal Provided? (For Billing purposes)
❒ yes proposal date

State Form Required?
❒ yes ❒ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 08B	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	EPH	Lead	# of containers	**Preservation	~Cont.Code
	UST-3E (5-7')	46597996	11/14/08	1115	X		S		X		8	I	A
	UST-3E (11-12')	46597997	11/14/08	1130	X		S		X	X	4	I	A
	UST-6E (11-12')	46597998	11/14/08	1230	X		S		X	X			
	UST-4W (1-3')	46600599		1140	X		S		X	X			
	UST-4W (5-7')	46600600		1150	X		S		X				
	UST-4W (11-12')	46600601		1200	X		S		X	X			
	UST-1S (5-7')	46600602		1220	X		S		X				
	UST-1S (11-12')	46600603		1230	X		S		X				

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

Client Comments:

2C

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: 11-17-08 1245
Received by: (signature)	Date/Time: 1245 11-17-08
Relinquished by: (signature)	Date/Time: 1700 11-17-08
Received by: (signature) 5°C	Date/Time: 1700 11/17/08

Turnaround **
❒ 7-Day
❒ 10-Day
❒ Other
RUSH *
❒ *24-Hr ❒ *48-Hr
❒ *72-Hr ❒ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations?
Data Enhancement Project/RCP? ❒ Y ❒ N
Special Requirements or DL's:

***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

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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

CMT-21449

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

Company Name: _____ Telephone:( ) _____

Address: See page 1 _____ Project # _____

Client PO # _____

Attention: _____

Project Location: _____

Sampled By: _____

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # : _____
Email: _____
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER _____

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

State Form Required?
☐ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 08B	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	4	I	A	EPH I											# of containers / **Preservation / ~Cont.Code
	UST-5C (5-7')	466604	11/14/08	1315	X		S					X											
	UST-5C (11-12')	466605	11/14/08	1330	X		S					X											
	UST-4E (5-7')	466606	11/14/08	1340	X		S					X											
	UST-4E (11-12')	466607	11/14/08	1350	X		S					X											

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

Client Comments:

~~please hold both 4E samples~~ EW

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: 11/17/08 1245
Received by: (signature)	Date/Time: 1245 11-17-08
Relinquished by: (signature)	Date/Time: 1700 11-17-08
Received by: (signature) 5°C	Date/Time: 1700 11/17/08

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

Detection Limit Requirements
Regulations? _____
Data Enhancement Project/RCP? ☐ Y ☐ N
Special Requirements or DL's: _____

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

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

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

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Sample Receipt Checklist

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

CLIENT NAME: TRC RECEIVED BY: KC DATE: 11/17

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

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

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

Who was notified _____ Date _____ Time _____

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

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)	22	2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

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

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

REPORT DATE 1/22/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22703
JOB NUMBER: 115058

PROJECT LOCATION: CITY OF NEW BEDFORD

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
TRC-01(1)	09B01407	SOIL	Not Specified	6010 drywt mcp	
TRC-01(1)	09B01407	SOIL	Not Specified	hg (mg/kg) dw	
TRC-01(1)	09B01407	SOIL	Not Specified	pah - sludge	
TRC-01(1)	09B01407	SOIL	Not Specified	solids (percent)	
TRC-01(5)	09B01408	SOIL	Not Specified	6010 drywt mcp	
TRC-01(5)	09B01408	SOIL	Not Specified	8260 mcp drywt	
TRC-01(5)	09B01408	SOIL	Not Specified	8270 mcp drywt	
TRC-01(5)	09B01408	SOIL	Not Specified	hg (mg/kg) dw	
TRC-01(5)	09B01408	SOIL	Not Specified	solids (percent)	
TRC-01(5)	09B01413	SOIL	Not Specified	tclp - metals	
TRC-01(5)	09B01413	SOIL	Not Specified	tph gc dry 8100m	
TRC-01(8)	09B01409	SOIL	Not Specified	6010 drywt mcp	
TRC-01(8)	09B01409	SOIL	Not Specified	hg (mg/kg) dw	
TRC-01(8)	09B01409	SOIL	Not Specified	pah - sludge	
TRC-01(8)	09B01409	SOIL	Not Specified	solids (percent)	
TRC-10(1)	09B01410	SOIL	Not Specified	6010 drywt mcp	
TRC-10(1)	09B01410	SOIL	Not Specified	hg (mg/kg) dw	
TRC-10(1)	09B01410	SOIL	Not Specified	pah - sludge	
TRC-10(1)	09B01410	SOIL	Not Specified	solids (percent)	
TRC-10(4)	09B01411	SOIL	Not Specified	6010 drywt mcp	
TRC-10(4)	09B01411	SOIL	Not Specified	8260 mcp drywt	
TRC-10(4)	09B01411	SOIL	Not Specified	8270 mcp drywt	
TRC-10(4)	09B01411	SOIL	Not Specified	hg (mg/kg) dw	
TRC-10(4)	09B01411	SOIL	Not Specified	solids (percent)	
TRC-10(4)	09B01414	SOIL	Not Specified	tclp - metals	
TRC-10(4)	09B01414	SOIL	Not Specified	tph gc dry 8100m	
TRC-10(9)	09B01412	SOIL	Not Specified	6010 drywt mcp	
TRC-10(9)	09B01412	SOIL	Not Specified	hg (mg/kg) dw	
TRC-10(9)	09B01412	SOIL	Not Specified	pah - sludge	
TRC-10(9)	09B01412	SOIL	Not Specified	solids (percent)	

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ANALYTICAL LABORATORY

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REPORT DATE 1/22/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22703
JOB NUMBER: 115058

Comments :

LIMS BATCH NO. : LIMT-22703

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 8260, the initial and/or continuing calibration did not meet method specifications. For samples 09B01408 and 01411, Acetone, 2-Butanone, Tetrahydrofuran, and 1,4-Dioxane were calibrated with a relative response factor <0.05.

In method 6010 TCLP, the low level calibration check is outside control limits for As. Reported results for this element in this matrix at or near the detection limit may be bias on the high side.

In method 6010 SOIL, the duplicate rpd is out of control limits for Pb and Sb. For Pb, outlier can be attributed to sample non homogeneity or a "hot spot" encountered during sample prep. Reduced precision expected for this element. For Sb, control limits do not apply to results <5X the reporting limit.
The ms recovery is outside control limits for Ag, Cr, Ni, Sb, and Se. For Cr and Ni, possibility of sample matrix effects that may lead to a high bias for reported results cannot be eliminated. For Ag and Sb, the recovery is > 30%, therefore no corrective action is needed. Possibility of sample matrix effects that may lead to a low bias for reported results cannot be eliminated. For Se, recovery <30%, post spike recovery = 91.7%. Possibility of sample matrix effects that cannot be eliminated is likely.
For Se, matrix interference could not be overcome by dilutions.

In method 7471, the soil ms recovery is outside control limits. Possibility of sample matrix effects that may lead to a low bias for reported result cannot be eliminated. Analysis in control based on LFB recovery.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846 8100M TPH - ADDITIIONAL DETAILS
All samples were extracted on 1/20/2009 using method SW846 3546(Microwave).

METHOD SW846 8260 - ADDITIONAL DETAILS

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where recovery control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative.
Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, vinyl chloride, chloromethane, dichlorodifluoromethane, 2-hexanone, naphthalene, and bromomethane
Additional difficult analytes in water only: 2,2-dichloropropane and tetrachloroethylene
Additional difficult analytes in soil only: 1,2,3-trichloropropane, methylene chloride, n-butylbenzene, and tert-butylbenzene
Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for "difficult analytes" where RPDs of 50% are used and/or unless otherwise

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

REPORT DATE 1/22/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22703
JOB NUMBER: 115058

listed in this narrative.
Difficult analyte: 1,4-dioxane

All 8260 surrogate standard recoveries were within control limits specified by the method
Unless listed below:
None outside of control limits

8260 QC SURROGATE RECOVERIES

BLANK-128635

D4-1,2-DICHLOROETHANE:	108%
D8-TOLUENE:	94%
BROMOFLUOROBENZENE:	98%

LFBLANK-90700	LFB	LFB DUPLICATE
D4-1,2-DICHLOROETHANE:	111%	110%
D8-TOLUENE:	97%	97%
BROMOFLUOROBENZENE:	100%	100%

All analyte list compounds were reported for method 8260 unless noted below:
Only the MCP compounds were requested and reported

METHOD SW846 8270 - ADDITIONAL DETAILS

Solid samples, if any, in the batch were extracted by the following method:
Microwave: SW-846 3546

Tuning, initial and continuing calibrations met all required performance standards for method 8270 except as listed in this narrative:

In method 8270, for samples 09B01408 and 09B01411, DDT breakdown was outside of method specifications.

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative.

Difficult analytes for soil LCS - limits between 10 and 180% depending on the compound (see QC summary report for limits): 3,3'-dichlorobenzidine, aniline, 2,4-dinitrophenol, and 4-chloroaniline.

Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for "difficult analytes" where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative.

Difficult analytes for soil RPDs: 3,3'-dichlorobenzidine, 4-nitrophenol, and aniline.

All 8270 surrogate standard recoveries were within control limits specified by the method unless listed below:

In method 8270-PAH, for sample 09B01412, surrogate recovery for Terphenyl-d14 was outside of control limits, but within method requirements.

8270 QC SURROGATE RECOVERIES

con-test ANALYTICAL LABORATORY

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

REPORT DATE 1/22/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22703
JOB NUMBER: 115058

BLANK-128637

PHENOL-D6:	88%
NITROBENZENE-D5:	86%
2-FLUOROBIPHENYL:	76%
2,4,6-TRIBROMOPHENOL:	78%
TERPHENYL-D14:	57%
2-FLUOROPHENOL:	89%

LFBLANK-90707	LFB	LFB DUPLICATE
PHENOL-D6:	78%	76%
NITROBENZENE-D5:	77%	74%
2-FLUOROBIPHENYL:	68%	67%
2,4,6-TRIBROMOPHENOL:	71%	68%
TERPHENYL-D14:	62%	63%
2-FLUOROPHENOL:	64%	69%

BLANK-128637, LFBLANK-90707 associated with samples 09B01407, and 09B01411.

8270-PAH QC SURROGATE RECOVERIES

BLANK-128638

NITROBENZENE-D5:	77%
2-FLUOROBIPHENYL:	78%
TERPHENYL-D14:	90%

LFBLANK-90708	LFB	LFB DUPLICATE
NITROBENZENE-D5:	69%	67%
2-FLUOROBIPHENYL:	72%	69%
TERPHENYL-D14:	65%	69%

BLANK-128638, LFBLANK-90708 associated with samples 09B01407, 09B01409, 09B01410, and 09B01412.

All analyte list compounds were reported for method 8270 unless listed below:

In method 8270-PAH, for samples 09B01407, 09B01409, 09B1410, and 09B01412, only PAH compounds were requested and reported.

METHOD SW846-6010 - ADDITIONAL DETAILS

A sample duplicate and ms were performed on soil sample 09B01408.
The sample duplicate is not reported for Ag, Be, Sb, Tl and Se due to non detect sample and duplicate results. The matrix spike recovery is outside control limits for Ba, Pb, Tl and Zn. Analysis is in control based on laboratory fortified blank recovery. Sample concentration for Ba, Pb and Zn are >4X spike concentration, therefore a representative recovery may not be obtainable. Control limits provided for reference only. For Tl, data is not affected since the bias is on the high side and the sample is non detect.

METHOD SW846 7470/7471A - ADDITIONAL DETAILS

Sample duplicate and matrix spike performed on SOIL sample 09B01412.

con-test®
ANALYTICAL LABORATORY

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

REPORT DATE 1/22/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22703
JOB NUMBER: 115058

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

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 individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 1/22/09

SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-01(1)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01407

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	KSH	4.54			
Arsenic	mg/kg dry wt	ND	01/22/09	KSH	2.84			
Barium	mg/kg dry wt	19.0	01/22/09	KSH	5.67			
Beryllium	mg/kg dry wt	ND	01/22/09	KSH	0.29			
Cadmium	mg/kg dry wt	ND	01/22/09	KSH	0.29			
Chromium	mg/kg dry wt	7.39	01/22/09	KSH	0.57			
Lead	mg/kg dry wt	45.4	01/22/09	KSH	0.86			
Nickel	mg/kg dry wt	4.30	01/22/09	KSH	0.57			
Selenium	mg/kg dry wt	ND	01/22/09	KSH	5.67			
Silver	mg/kg dry wt	ND	01/22/09	KSH	0.57			
Thallium	mg/kg dry wt	ND	01/22/09	KSH	3.41			
Vanadium	mg/kg dry wt	9.93	01/22/09	KSH	5.67			
Zinc	mg/kg dry wt	28.2	01/22/09	KSH	1.14			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-01(5)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01408

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	KSH	5.02			
Arsenic	mg/kg dry wt	10.7	01/22/09	KSH	3.14			
Barium	mg/kg dry wt	245	01/22/09	KSH	6.27			
Beryllium	mg/kg dry wt	ND	01/22/09	KSH	0.32			
Cadmium	mg/kg dry wt	1.46	01/22/09	KSH	0.32			
Chromium	mg/kg dry wt	18.4	01/22/09	KSH	0.63			
Lead	mg/kg dry wt	768	01/22/09	KSH	0.94			
Nickel	mg/kg dry wt	17.0	01/22/09	KSH	0.63			
Selenium	mg/kg dry wt	ND	01/22/09	KSH	6.27			
Silver	mg/kg dry wt	ND	01/22/09	KSH	0.63			
Thallium	mg/kg dry wt	ND	01/22/09	KSH	3.76			
Vanadium	mg/kg dry wt	29.4	01/22/09	KSH	6.27			
Zinc	mg/kg dry wt	361	01/22/09	KSH	1.26			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-01(8)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01409

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	KSH	8.18			
Arsenic	mg/kg dry wt	ND	01/22/09	KSH	5.12			
Barium	mg/kg dry wt	28.1	01/22/09	KSH	10.3			
Beryllium	mg/kg dry wt	ND	01/22/09	KSH	0.52			
Cadmium	mg/kg dry wt	ND	01/22/09	KSH	0.52			
Chromium	mg/kg dry wt	13.4	01/22/09	KSH	1.03			
Lead	mg/kg dry wt	6.16	01/22/09	KSH	1.54			
Nickel	mg/kg dry wt	9.50	01/22/09	KSH	1.03			
Selenium	mg/kg dry wt	ND	01/22/09	KSH	10.3			
Silver	mg/kg dry wt	ND	01/22/09	KSH	1.03			
Thallium	mg/kg dry wt	ND	01/22/09	KSH	6.14			
Vanadium	mg/kg dry wt	14.2	01/22/09	KSH	10.3			
Zinc	mg/kg dry wt	45.4	01/22/09	KSH	2.05			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-10(1)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01410

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	KSH	4.39			
Arsenic	mg/kg dry wt	2.77	01/22/09	KSH	2.75			
Barium	mg/kg dry wt	22.9	01/22/09	KSH	5.49			
Beryllium	mg/kg dry wt	ND	01/22/09	KSH	0.28			
Cadmium	mg/kg dry wt	ND	01/22/09	KSH	0.28			
Chromium	mg/kg dry wt	8.47	01/22/09	KSH	0.55			
Lead	mg/kg dry wt	3.33	01/22/09	KSH	0.83			
Nickel	mg/kg dry wt	4.79	01/22/09	KSH	0.55			
Selenium	mg/kg dry wt	ND	01/22/09	KSH	5.49			
Silver	mg/kg dry wt	ND	01/22/09	KSH	0.55			
Thallium	mg/kg dry wt	ND	01/22/09	KSH	3.29			
Vanadium	mg/kg dry wt	13.1	01/22/09	KSH	5.49			
Zinc	mg/kg dry wt	15.9	01/22/09	KSH	1.10			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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650 SUFFOLK STREET
LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-10(4)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01411

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	KSH	5.40			
Arsenic	mg/kg dry wt	24.8	01/22/09	KSH	3.38			
Barium	mg/kg dry wt	485	01/22/09	KSH	6.75			
Beryllium	mg/kg dry wt	ND	01/22/09	KSH	0.34			
Cadmium	mg/kg dry wt	7.44	01/22/09	KSH	0.34			
Chromium	mg/kg dry wt	40.1	01/22/09	KSH	0.68			
Lead	mg/kg dry wt	1310	01/22/09	KSH	1.02			
Nickel	mg/kg dry wt	21.4	01/22/09	KSH	0.68			
Selenium	mg/kg dry wt	ND	01/22/09	KSH	6.75			
Silver	mg/kg dry wt	ND	01/22/09	KSH	0.68			
Thallium	mg/kg dry wt	ND	01/22/09	KSH	4.05			
Vanadium	mg/kg dry wt	37.7	01/22/09	KSH	6.75			
Zinc	mg/kg dry wt	617	01/22/09	KSH	1.35			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-10(9)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01412

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	KSH	9.39			
Arsenic	mg/kg dry wt	6.03	01/22/09	KSH	5.87			
Barium	mg/kg dry wt	77.3	01/22/09	KSH	11.8			
Beryllium	mg/kg dry wt	ND	01/22/09	KSH	0.59			
Cadmium	mg/kg dry wt	3.27	01/22/09	KSH	0.59			
Chromium	mg/kg dry wt	25.5	01/22/09	KSH	1.18			
Lead	mg/kg dry wt	405	01/22/09	KSH	1.77			
Nickel	mg/kg dry wt	10.8	01/22/09	KSH	1.18			
Selenium	mg/kg dry wt	ND	01/22/09	KSH	11.8			
Silver	mg/kg dry wt	ND	01/22/09	KSH	1.18			
Thallium	mg/kg dry wt	ND	01/22/09	KSH	7.05			
Vanadium	mg/kg dry wt	16.1	01/22/09	KSH	11.8			
Zinc	mg/kg dry wt	211	01/22/09	KSH	2.35			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/22/2009

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-01(5)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01408

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	01/21/09	MFF	0.11			
tert-Amylmethyl Ether	mg/kg dry wt	ND	01/21/09	MFF	0.002			
Benzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Bromobenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Bromochloromethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Bromodichloromethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Bromoform	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Bromomethane	mg/kg dry wt	ND	01/21/09	MFF	0.011			
2-Butanone (MEK)	mg/kg dry wt	ND	01/21/09	MFF	0.041			
n-Butylbenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
sec-Butylbenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
tert-Butylbenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
tert-Butylethyl Ether	mg/kg dry wt	ND	01/21/09	MFF	0.002			
Carbon Disulfide	mg/kg dry wt	ND	01/21/09	MFF	0.007			
Carbon Tetrachloride	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Chlorobenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Chlorodibromomethane	mg/kg dry wt	ND	01/21/09	MFF	0.002			
Chloroethane	mg/kg dry wt	ND	01/21/09	MFF	0.021			
Chloroform	mg/kg dry wt	ND	01/21/09	MFF	0.005			
Chloromethane	mg/kg dry wt	ND	01/21/09	MFF	0.011			
2-Chlorotoluene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
4-Chlorotoluene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2-Dibromoethane	mg/kg dry wt	ND	01/21/09	MFF	0.002			
Dibromomethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Dichlorodifluoromethane	mg/kg dry wt	ND	01/21/09	MFF	0.021			

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1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-01(5)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01408

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1-Dichloroethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2-Dichloroethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,1-Dichloroethylene	mg/kg dry wt	ND	01/21/09	MFF	0.005			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2-Dichloropropane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,3-Dichloropropane	mg/kg dry wt	ND	01/21/09	MFF	0.002			
2,2-Dichloropropane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,1-Dichloropropene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	01/21/09	MFF	0.002			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	01/21/09	MFF	0.002			
Diethyl Ether	mg/kg dry wt	ND	01/21/09	MFF	0.021			
Diisopropyl Ether	mg/kg dry wt	ND	01/21/09	MFF	0.002			
1,4-Dioxane	mg/kg dry wt	ND	01/21/09	MFF	0.11			
Ethyl Benzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Hexachlorobutadiene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
2-Hexanone	mg/kg dry wt	ND	01/21/09	MFF	0.021			
Isopropylbenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
p-Isopropyltoluene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
MTBE	mg/kg dry wt	ND	01/21/09	MFF	0.005			
Methylene Chloride	mg/kg dry wt	ND	01/21/09	MFF	0.021			
MIBK	mg/kg dry wt	ND	01/21/09	MFF	0.021			
Naphthalene	mg/kg dry wt	ND	01/21/09	MFF	0.005			
n-Propylbenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Styrene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	01/21/09	MFF	0.002			
Tetrachloroethylene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Tetrahydrofuran	mg/kg dry wt	ND	01/21/09	MFF	0.011			

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1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-01(5)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01408

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Toluene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,1,1-Trichloroethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,1,2-Trichloroethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Trichloroethylene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Trichlorofluoromethane	mg/kg dry wt	ND	01/21/09	MFF	0.011			
1,2,3-Trichloropropane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Vinyl Chloride	mg/kg dry wt	ND	01/21/09	MFF	0.011			
m + p Xylene	mg/kg dry wt	ND	01/21/09	MFF	0.005			
o-Xylene	mg/kg dry wt	ND	01/21/09	MFF	0.003			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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ND = Not Detected at or above the Reporting Limit

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1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-10(4)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01411

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	01/21/09	MFF	0.12			
tert-Amylmethyl Ether	mg/kg dry wt	ND	01/21/09	MFF	0.002			
Benzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Bromobenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Bromochloromethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Bromodichloromethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Bromoform	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Bromomethane	mg/kg dry wt	ND	01/21/09	MFF	0.012			
2-Butanone (MEK)	mg/kg dry wt	ND	01/21/09	MFF	0.047			
n-Butylbenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
sec-Butylbenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
tert-Butylbenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
tert-Butylethyl Ether	mg/kg dry wt	ND	01/21/09	MFF	0.002			
Carbon Disulfide	mg/kg dry wt	ND	01/21/09	MFF	0.008			
Carbon Tetrachloride	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Chlorobenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Chlorodibromomethane	mg/kg dry wt	ND	01/21/09	MFF	0.002			
Chloroethane	mg/kg dry wt	ND	01/21/09	MFF	0.024			
Chloroform	mg/kg dry wt	ND	01/21/09	MFF	0.005			
Chloromethane	mg/kg dry wt	ND	01/21/09	MFF	0.012			
2-Chlorotoluene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
4-Chlorotoluene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2-Dibromoethane	mg/kg dry wt	ND	01/21/09	MFF	0.002			
Dibromomethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Dichlorodifluoromethane	mg/kg dry wt	ND	01/21/09	MFF	0.024			

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con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-10(4)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01411

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1-Dichloroethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2-Dichloroethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,1-Dichloroethylene	mg/kg dry wt	ND	01/21/09	MFF	0.005			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2-Dichloropropane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,3-Dichloropropane	mg/kg dry wt	ND	01/21/09	MFF	0.002			
2,2-Dichloropropane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,1-Dichloropropene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	01/21/09	MFF	0.002			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	01/21/09	MFF	0.002			
Diethyl Ether	mg/kg dry wt	ND	01/21/09	MFF	0.024			
Diisopropyl Ether	mg/kg dry wt	ND	01/21/09	MFF	0.002			
1,4-Dioxane	mg/kg dry wt	ND	01/21/09	MFF	0.12			
Ethyl Benzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Hexachlorobutadiene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
2-Hexanone	mg/kg dry wt	ND	01/21/09	MFF	0.024			
Isopropylbenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
p-Isopropyltoluene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
MTBE	mg/kg dry wt	ND	01/21/09	MFF	0.005			
Methylene Chloride	mg/kg dry wt	ND	01/21/09	MFF	0.024			
MIBK	mg/kg dry wt	ND	01/21/09	MFF	0.024			
Naphthalene	mg/kg dry wt	ND	01/21/09	MFF	0.005			
n-Propylbenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Styrene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	01/21/09	MFF	0.002			
Tetrachloroethylene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Tetrahydrofuran	mg/kg dry wt	ND	01/21/09	MFF	0.012			

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-10(4)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01411

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Toluene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,1,1-Trichloroethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,1,2-Trichloroethane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Trichloroethylene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Trichlorofluoromethane	mg/kg dry wt	ND	01/21/09	MFF	0.012			
1,2,3-Trichloropropane	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	01/21/09	MFF	0.003			
Vinyl Chloride	mg/kg dry wt	ND	01/21/09	MFF	0.012			
m + p Xylene	mg/kg dry wt	ND	01/21/09	MFF	0.005			
o-Xylene	mg/kg dry wt	ND	01/21/09	MFF	0.003			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-01(5)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01408

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/21/09	BGL	0.209			
Acenaphthylene	mg/kg dry wt	ND	01/21/09	BGL	0.209			
Acetophenone	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Aniline	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Anthracene	mg/kg dry wt	0.583	01/21/09	BGL	0.209			
Benzo(a)anthracene	mg/kg dry wt	1.53	01/21/09	BGL	0.209			
Benzo(a)pyrene	mg/kg dry wt	1.33	01/21/09	BGL	0.209			
Benzo(b)fluoranthene	mg/kg dry wt	1.40	01/21/09	BGL	0.209			
Benzo(g,h,i)perylene	mg/kg dry wt	0.773	01/21/09	BGL	0.209			
Benzo(k)fluoranthene	mg/kg dry wt	0.583	01/21/09	BGL	0.209			
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	01/21/09	BGL	0.42			
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Butylbenzylphthalate	mg/kg dry wt	ND	01/21/09	BGL	0.84			
4-Chloroaniline	mg/kg dry wt	ND	01/21/09	BGL	0.84			
2-Chloronaphthalene	mg/kg dry wt	ND	01/21/09	BGL	0.42			
2-Chlorophenol	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Chrysene	mg/kg dry wt	1.50	01/21/09	BGL	0.209			
Dibenzofuran	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.209			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/21/09	BGL	0.42			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/21/09	BGL	0.42			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/21/09	BGL	0.42			
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	01/21/09	BGL	0.21			
2,4-Dichlorophenol	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Diethylphthalate	mg/kg dry wt	ND	01/21/09	BGL	0.42			
2,4-Dimethylphenol	mg/kg dry wt	ND	01/21/09	BGL	0.42			

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/22/2009

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-01(5)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01408

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	01/21/09	BGL	0.84			
Di-n-butylphthalate	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Di-n-octylphthalate	mg/kg dry wt	ND	01/21/09	BGL	0.84			
2,4-Dinitrophenol	mg/kg dry wt	ND	01/21/09	BGL	0.84			
2,4-Dinitrotoluene	mg/kg dry wt	ND	01/21/09	BGL	0.42			
2,6-Dinitrotoluene	mg/kg dry wt	ND	01/21/09	BGL	0.42			
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Fluoranthene	mg/kg dry wt	1.99	01/21/09	BGL	0.209			
Fluorene	mg/kg dry wt	ND	01/21/09	BGL	0.209			
Hexachlorobenzene	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Hexachlorobutadiene	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Hexachloroethane	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.914	01/21/09	BGL	0.209			
Isophorone	mg/kg dry wt	ND	01/21/09	BGL	0.42			
o-cresol	mg/kg dry wt	ND	01/21/09	BGL	0.42			
m & p-cresol(s)	mg/kg dry wt	ND	01/21/09	BGL	0.42			
2-Methylnaphthalene	mg/kg dry wt	ND	01/21/09	BGL	0.209			
Naphthalene	mg/kg dry wt	ND	01/21/09	BGL	0.209			
Nitrobenzene	mg/kg dry wt	ND	01/21/09	BGL	0.42			
2-Nitrophenol	mg/kg dry wt	ND	01/21/09	BGL	0.42			
4-Nitrophenol	mg/kg dry wt	ND	01/21/09	BGL	0.84			
Pentachlorophenol	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Phenanthrene	mg/kg dry wt	2.01	01/21/09	BGL	0.209			
Phenol	mg/kg dry wt	ND	01/21/09	BGL	0.42			
Pyrene	mg/kg dry wt	2.49	01/21/09	BGL	0.209			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/21/09	BGL	0.42			
2,4,5-Trichlorophenol	mg/kg dry wt	ND	01/21/09	BGL	0.42			
2,4,6-Trichlorophenol	mg/kg dry wt	ND	01/21/09	BGL	0.42			

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-01(5)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01408

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extraction Date 8270		1/20/2009	01/21/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-10(4)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01411

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Acenaphthylene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Acetophenone	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Aniline	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Benzo(a)anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Benzo(a)pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	01/21/09	BGL	0.45			
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Butylbenzylphthalate	mg/kg dry wt	ND	01/21/09	BGL	0.90			
4-Chloroaniline	mg/kg dry wt	ND	01/21/09	BGL	0.90			
2-Chloronaphthalene	mg/kg dry wt	ND	01/21/09	BGL	0.45			
2-Chlorophenol	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Chrysene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Dibenzofuran	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/21/09	BGL	0.45			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/21/09	BGL	0.45			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/21/09	BGL	0.45			
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	01/21/09	BGL	0.23			
2,4-Dichlorophenol	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Diethylphthalate	mg/kg dry wt	ND	01/21/09	BGL	0.45			
2,4-Dimethylphenol	mg/kg dry wt	ND	01/21/09	BGL	0.45			

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/22/2009

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-10(4)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01411 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	01/21/09	BGL	0.90			
Di-n-butylphthalate	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Di-n-octylphthalate	mg/kg dry wt	ND	01/21/09	BGL	0.90			
2,4-Dinitrophenol	mg/kg dry wt	ND	01/21/09	BGL	0.90			
2,4-Dinitrotoluene	mg/kg dry wt	ND	01/21/09	BGL	0.45			
2,6-Dinitrotoluene	mg/kg dry wt	ND	01/21/09	BGL	0.45			
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Fluorene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Hexachlorobenzene	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Hexachlorobutadiene	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Hexachloroethane	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Isophorone	mg/kg dry wt	ND	01/21/09	BGL	0.45			
o-cresol	mg/kg dry wt	ND	01/21/09	BGL	0.45			
m & p-cresol(s)	mg/kg dry wt	ND	01/21/09	BGL	0.45			
2-Methylnaphthalene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Naphthalene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Nitrobenzene	mg/kg dry wt	ND	01/21/09	BGL	0.45			
2-Nitrophenol	mg/kg dry wt	ND	01/21/09	BGL	0.45			
4-Nitrophenol	mg/kg dry wt	ND	01/21/09	BGL	0.90			
Pentachlorophenol	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Phenanthrene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
Phenol	mg/kg dry wt	ND	01/21/09	BGL	0.45			
Pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.225			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/21/09	BGL	0.45			
2,4,5-Trichlorophenol	mg/kg dry wt	ND	01/21/09	BGL	0.45			
2,4,6-Trichlorophenol	mg/kg dry wt	ND	01/21/09	BGL	0.45			

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con-test® ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-10(4)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01411

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extraction Date 8270		1/20/2009	01/21/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009

LIMS-BAT #: LIMT-22703
Job Number: 115058

Field Sample # : TRC-01(1)

Sample ID : 09B01407 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.015	01/21/09	KM	0.015			

Field Sample # : TRC-01(5)

Sample ID : 09B01408 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.119	01/21/09	KM	0.022			

Field Sample # : TRC-01(8)

Sample ID : 09B01409 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/21/09	KM	0.047			

Field Sample # : TRC-10(1)

Sample ID : 09B01410 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/21/09	KM	0.013			

Field Sample # : TRC-10(4)

Sample ID : 09B01411 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	6.99	01/21/09	KM	0.233			

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1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-10(9)
Sample ID : 09B01412
‡Sampled : 1/20/2009
Not Specified
Sample Matrix: SOIL

LIMS-BAT #: LIMT-22703
Job Number: 115058

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/21/09	KM	0.052			

Analytical Method:
SW846 3050/7471
SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

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1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-01(1)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01407

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Acenaphthylene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Benzo(a)anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Benzo(a)pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Chrysene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Fluorene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
2-Methylnaphthalene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Naphthalene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Phenanthrene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.189			
Extraction Date 8270		1/20/2009	01/21/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-01(8)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01409 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Acenaphthylene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Benzo(a)anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Benzo(a)pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Chrysene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Fluorene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
2-Methylnaphthalene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Naphthalene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Phenanthrene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.341			
Extraction Date 8270		1/20/2009	01/21/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-10(1)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01410 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Acenaphthylene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Benzo(a)anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Benzo(a)pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Chrysene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Fluorene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
2-Methylnaphthalene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Naphthalene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Phenanthrene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.183			
Extraction Date 8270		1/20/2009	01/21/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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650 SUFFOLK STREET
LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-10(9)

LIMS-BAT #: LIMT-22703
Job Number: 115058

Sample ID : 09B01412

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Acenaphthylene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Benzo(a)anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Benzo(a)pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Chrysene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Fluoranthene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Fluorene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
2-Methylnaphthalene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Naphthalene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Phenanthrene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Pyrene	mg/kg dry wt	ND	01/21/09	BGL	0.392			
Extraction Date 8270		1/20/2009	01/21/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009

LIMS-BAT #: LIMT-22703
Job Number: 115058

Field Sample # : TRC-01(1)

Sample ID : 09B01407 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	88.2	01/21/09	FD				

Field Sample # : TRC-01(5)

Sample ID : 09B01408 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	79.8	01/21/09	FD				

Field Sample # : TRC-01(8)

Sample ID : 09B01409 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	48.9	01/21/09	FD				

Field Sample # : TRC-10(1)

Sample ID : 09B01410 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	91.2	01/21/09	FD				

Field Sample # : TRC-10(4)

Sample ID : 09B01411 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	74.1	01/21/09	FD				

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1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
Field Sample # : TRC-10(9)
Sample ID : 09B01412
‡Sampled : 1/20/2009
Not Specified
Sample Matrix: SOIL

LIMS-BAT #: LIMT-22703
Job Number: 115058

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	42.6	01/21/09	FD				

Analytical Method:
SM 2540G
PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009

LIMS-BAT #: LIMT-22703
Job Number: 115058

Field Sample # : TRC-01(5)

Sample ID : 09B01413 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/21/09	KSH	0.010		5	P
Barium	mg/l leachate	1.51	01/21/09	KSH	0.10		100	P
Cadmium	mg/l leachate	0.011	01/21/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	01/21/09	KSH	0.01		5	P
Lead	mg/l leachate	9.14	01/21/09	KSH	0.015		5	F
Mercury	mg/l leachate	ND	01/21/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/21/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	01/21/09	KSH	0.005		5	P

Field Sample # : TRC-10(4)

Sample ID : 09B01414 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/21/09	KSH	0.010		5	P
Barium	mg/l leachate	1.48	01/21/09	KSH	0.10		100	P
Cadmium	mg/l leachate	0.057	01/21/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	01/21/09	KSH	0.01		5	P
Lead	mg/l leachate	4.64	01/21/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	01/21/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/21/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	01/21/09	KSH	0.005		5	P

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1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009

LIMS-BAT #: LIMT-22703
Job Number: 115058

Analytical Method:

SW846 1311/6010 1311/7470

SW846 1311 TCLP EXTRACTION. SAMPLES ARE EXTRACTED FOR 18-24 HOURS INTO A pH 5.0 BUFFER SOLUTION TO PRODUCE A LEACHATE. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

SW846 6010 ARSENIC, BARIUM, CADMIUM, CHROMIUM, LEAD, SELENIUM AND SILVER LEACHATES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY.

SW846 7470 MERCURY LEACHATE IS ANALYZED BY COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY.

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con-test® ANALYTICAL LABORATORY

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LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009
LIMS-BAT #: LIMT-22703
Job Number: 115058

Field Sample # : TRC-01(5)

Sample ID : 09B01413 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unknown Hydrocarbons	mg/kg dry wt	130	01/21/09	PJG	53			

Field Sample # : TRC-10(4)

Sample ID : 09B01414 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unknown Hydrocarbons	mg/kg dry wt	30	01/21/09	PJG	12			

Analytical Method:
MODIFIED SW846 8100
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE AND ANALYZED BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION (FID). ALL PEAKS ELUTING IN THE PETROLEUM FUEL REGION ARE QUANTITATED AS #2 FUEL OIL.

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‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/22/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/20/2009

LIMS-BAT #: LIMT-22703
Job Number: 115058

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GC/FID-22954

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01413					
	Terphenyl	Surrogate Recovery	N.M.	%	50-150
09B01414					
	Terphenyl	Surrogate Recovery	57.1	%	50-150
BLANK-128655					
	Unknown Hydrocarbons	Blank	<8.4	mg/kg dry wt	
LFBLANK-90719					
	Unknown Hydrocarbons	Lab Fort Blank Amt.	33.3	mg/kg dry wt	
		Lab Fort Blk. Found	21.6	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.8	%	
		Dup Lab Fort Bl Amt.	33.3	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	23.4	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	70.3	%	
		Lab Fort Blank Range	5.4	units	
		Lab Fort Bl. Av. Rec	67.5	%	
		LFB Duplicate RPD	8.1	%	

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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11849

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01408					
	Phenol-d6	Surrogate Recovery	65.6	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	56.2	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	49.7	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	52.3	%	30-130
	Terphenyl-d14	Surrogate Recovery	48.8	%	30-130
	2-Fluorophenol	Surrogate Recovery	67.7	%	30-130
09B01411					
	Phenol-d6	Surrogate Recovery	52.3	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	44.7	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	38.1	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	44.3	%	30-130
	Terphenyl-d14	Surrogate Recovery	46.8	%	30-130
	2-Fluorophenol	Surrogate Recovery	52.6	%	30-130
BLANK-128637					
	1,4-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	Naphthalene	Blank	<0.167	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	1,3-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	Acenaphthene	Blank	<0.167	mg/kg dry wt	
	Acenaphthylene	Blank	<0.167	mg/kg dry wt	
	Aniline	Blank	<0.34	mg/kg dry wt	
	Anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.167	mg/kg dry wt	
	Bis(2-chloroethyl)ether	Blank	<0.34	mg/kg dry wt	
	Bis(2-chloroethoxy)methane	Blank	<0.34	mg/kg dry wt	
	Bis(2-chloroisopropyl)ether	Blank	<0.34	mg/kg dry wt	
	Bis(2-ethylhexyl)phthalate	Blank	<0.34	mg/kg dry wt	
	4-Bromophenyl phenyl ether	Blank	<0.34	mg/kg dry wt	
	Butylbenzylphthalate	Blank	<0.67	mg/kg dry wt	
	4-Chloroaniline	Blank	<0.67	mg/kg dry wt	
	2-Chloronaphthalene	Blank	<0.34	mg/kg dry wt	
	Chrysene	Blank	<0.167	mg/kg dry wt	
	Dibenz(a,h)anthracene	Blank	<0.167	mg/kg dry wt	
	Dibenzofuran	Blank	<0.34	mg/kg dry wt	
	3,3'-Dichlorobenzidine	Blank	<0.17	mg/kg dry wt	
	Diethylphthalate	Blank	<0.34	mg/kg dry wt	
	Dimethylphthalate	Blank	<0.67	mg/kg dry wt	
	Di-n-butylphthalate	Blank	<0.34	mg/kg dry wt	
	2,4-Dinitrotoluene	Blank	<0.34	mg/kg dry wt	
	2,6-Dinitrotoluene	Blank	<0.34	mg/kg dry wt	

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BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11849

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128637					
	1,2-Diphenylhydrazine (as Azobenzene)	Blank	<0.34	mg/kg dry wt	
	Di-n-octylphthalate	Blank	<0.67	mg/kg dry wt	
	Fluoranthene	Blank	<0.167	mg/kg dry wt	
	Fluorene	Blank	<0.167	mg/kg dry wt	
	Hexachlorobenzene	Blank	<0.34	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.34	mg/kg dry wt	
	Hexachloroethane	Blank	<0.34	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.167	mg/kg dry wt	
	Isophorone	Blank	<0.34	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.167	mg/kg dry wt	
	Nitrobenzene	Blank	<0.34	mg/kg dry wt	
	Phenanthrene	Blank	<0.167	mg/kg dry wt	
	Pyrene	Blank	<0.167	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.34	mg/kg dry wt	
	2-Chlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dichlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dimethylphenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dinitrophenol	Blank	<0.67	mg/kg dry wt	
	o-cresol	Blank	<0.34	mg/kg dry wt	
	m & p-cresol(s)	Blank	<0.34	mg/kg dry wt	
	2-Nitrophenol	Blank	<0.34	mg/kg dry wt	
	4-Nitrophenol	Blank	<0.67	mg/kg dry wt	
	Phenol	Blank	<0.34	mg/kg dry wt	
	2,4,5-Trichlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4,6-Trichlorophenol	Blank	<0.34	mg/kg dry wt	
	Pentachlorophenol	Blank	<0.34	mg/kg dry wt	
	Benzo(k)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Acetophenone	Blank	<0.34	mg/kg dry wt	
LFBLANK-90707					
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.10	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.19	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.15	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.19	%	
		Lab Fort Blank Range	2.99	units	
		Lab Fort Bl. Av. Rec	67.69	%	
		LFB Duplicate RPD	4.43	%	0-30
	Naphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.933	mg/kg dry wt	
		Lab Fort Blk. % Rec.	55.999	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.986	mg/kg dry wt	

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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11849

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90707					
	Naphthalene	Dup Lab Fort Bl %Rec	59.199	%	
		Lab Fort Blank Range	3.199	units	
		Lab Fort Bl. Av. Rec	57.599	%	
		LFB Duplicate RPD	5.555	%	0-30
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.08	mg/kg dry wt	
		Lab Fort Blk. % Rec.	65.17	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.13	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	68.21	%	
		Lab Fort Blank Range	3.04	units	
		Lab Fort Bl. Av. Rec	66.69	%	
		LFB Duplicate RPD	4.55	%	0-30
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.09	mg/kg dry wt	
		Lab Fort Blk. % Rec.	65.59	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.13	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	68.21	%	
		Lab Fort Blank Range	2.62	units	
		Lab Fort Bl. Av. Rec	66.90	%	
		LFB Duplicate RPD	3.91	%	0-30
	Acenaphthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.913	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.799	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.955	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	57.299	%	
		Lab Fort Blank Range	2.500	units	
		Lab Fort Bl. Av. Rec	56.049	%	
		LFB Duplicate RPD	4.460	%	0-30
	Acenaphthylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.923	mg/kg dry wt	
		Lab Fort Blk. % Rec.	55.379	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.976	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.579	%	
		Lab Fort Blank Range	3.199	units	
		Lab Fort Bl. Av. Rec	56.979	%	
		LFB Duplicate RPD	5.616	%	0-30
	Aniline	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.84	mg/kg dry wt	
		Lab Fort Blk. % Rec.	50.65	%	10-140

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QC SUMMARY REPORT

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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11849

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90707					
	Aniline	Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.92	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	55.43	%	
		Lab Fort Blank Range	4.77	units	
		Lab Fort Bl. Av. Rec	53.04	%	
		LFB Duplicate RPD	9.01	%	0-50
	Anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.901	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.099	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.956	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	57.379	%	
		Lab Fort Blank Range	3.280	units	
		Lab Fort Bl. Av. Rec	55.739	%	
		LFB Duplicate RPD	5.884	%	0-30
	Benzo(a)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.918	mg/kg dry wt	
		Lab Fort Blk. % Rec.	55.099	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.968	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.099	%	
		Lab Fort Blank Range	2.999	units	
		Lab Fort Bl. Av. Rec	56.599	%	
		LFB Duplicate RPD	5.300	%	0-30
	Benzo(a)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.921	mg/kg dry wt	
		Lab Fort Blk. % Rec.	55.259	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.954	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	57.259	%	
		Lab Fort Blank Range	2.000	units	
		Lab Fort Bl. Av. Rec	56.259	%	
		LFB Duplicate RPD	3.554	%	0-30
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.864	mg/kg dry wt	
		Lab Fort Blk. % Rec.	51.839	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.888	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	53.299	%	
		Lab Fort Blank Range	1.459	units	
		Lab Fort Bl. Av. Rec	52.569	%	
		LFB Duplicate RPD	2.777	%	0-30
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	

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QC Batch Number: GCMS/SEMI-11849

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90707					
	Benzo(g,h,i)perylene	Lab Fort Blk. Found	0.878	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.679	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.946	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	56.759	%	
		Lab Fort Blank Range	4.079	units	
		Lab Fort Bl. Av. Rec	54.719	%	
		LFB Duplicate RPD	7.456	%	0-30
	Bis(2-chloroethyl)ether	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.18	mg/kg dry wt	
		Lab Fort Blk. % Rec.	71.33	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.22	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	73.66	%	
		Lab Fort Blank Range	2.32	units	
		Lab Fort Bl. Av. Rec	72.50	%	
		LFB Duplicate RPD	3.20	%	0-30
	Bis(2-chloroethoxy)methane	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.11	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.61	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.16	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.65	%	
		Lab Fort Blank Range	3.04	units	
		Lab Fort Bl. Av. Rec	68.13	%	
		LFB Duplicate RPD	4.46	%	0-30
	Bis(2-chloroisopropyl)ether	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.12	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.60	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.15	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.55	%	
		Lab Fort Blank Range	1.95	units	
		Lab Fort Bl. Av. Rec	68.57	%	
		LFB Duplicate RPD	2.85	%	0-30
	Bis(2-ethylhexyl)phthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.12	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.48	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.22	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	73.42	%	
		Lab Fort Blank Range	5.93	units	
		Lab Fort Bl. Av. Rec	70.45	%	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90707					
	Bis(2-ethylhexyl)phthalate	LFB Duplicate RPD	8.43	%	0-30
	4-Bromophenyl phenyl ether	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.15	mg/kg dry wt	
		Lab Fort Blk. % Rec.	69.41	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.15	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.46	%	
		Lab Fort Blank Range	0.04	units	
		Lab Fort Bl. Av. Rec	69.44	%	
		LFB Duplicate RPD	0.05	%	0-30
	Butylbenzylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.10	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.49	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.24	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.50	%	
		Lab Fort Blank Range	8.00	units	
		Lab Fort Bl. Av. Rec	70.49	%	
		LFB Duplicate RPD	11.34	%	0-30
	4-Chloroaniline	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.43	mg/kg dry wt	
		Lab Fort Blk. % Rec.	26.02	%	10-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.40	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	24.49	%	
		Lab Fort Blank Range	1.52	units	
		Lab Fort Bl. Av. Rec	25.26	%	
		LFB Duplicate RPD	6.01	%	0-30
	2-Chloronaphthalene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.95	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.11	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.99	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	59.65	%	
		Lab Fort Blank Range	2.54	units	
		Lab Fort Bl. Av. Rec	58.38	%	
		LFB Duplicate RPD	4.35	%	0-30
	Chrysene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.941	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.459	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.991	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	59.459	%	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90707					
	Chrysene	Lab Fort Blank Range	2.999	units	
		Lab Fort Bl. Av. Rec	57.959	%	
		LFB Duplicate RPD	5.175	%	0-30
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.838	mg/kg dry wt	
		Lab Fort Blk. % Rec.	50.319	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.894	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	53.639	%	
		Lab Fort Blank Range	3.319	units	
		Lab Fort Bl. Av. Rec	51.979	%	
		LFB Duplicate RPD	6.387	%	0-30
	Dibenzofuran	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.97	mg/kg dry wt	
		Lab Fort Blk. % Rec.	58.67	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.03	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	62.33	%	
		Lab Fort Blank Range	3.66	units	
		Lab Fort Bl. Av. Rec	60.50	%	
		LFB Duplicate RPD	6.04	%	0-30
	3,3'-Dichlorobenzidine	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.82	mg/kg dry wt	
		Lab Fort Blk. % Rec.	49.69	%	20-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.81	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	48.74	%	
		Lab Fort Blank Range	0.95	units	
		Lab Fort Bl. Av. Rec	49.21	%	
		LFB Duplicate RPD	1.95	%	0-50
	Diethylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.98	mg/kg dry wt	
		Lab Fort Blk. % Rec.	58.87	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.04	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	62.75	%	
		Lab Fort Blank Range	3.87	units	
		Lab Fort Bl. Av. Rec	60.81	%	
		LFB Duplicate RPD	6.37	%	0-30
	Dimethylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.05	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.19	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11849

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90707					
	Dimethylphthalate	Dup Lab Fort Bl. Fnd	1.10	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.28	%	
		Lab Fort Blank Range	3.08	units	
		Lab Fort Bl. Av. Rec	64.73	%	
		LFB Duplicate RPD	4.75	%	0-30
	Di-n-butylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.12	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.63	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.23	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.29	%	
		Lab Fort Blank Range	6.65	units	
		Lab Fort Bl. Av. Rec	70.96	%	
		LFB Duplicate RPD	9.38	%	0-30
	2,4-Dinitrotoluene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.88	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.87	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.97	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.25	%	
		Lab Fort Blank Range	5.38	units	
		Lab Fort Bl. Av. Rec	55.56	%	
		LFB Duplicate RPD	9.68	%	0-30
	2,6-Dinitrotoluene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.88	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.87	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.97	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.25	%	
		Lab Fort Blank Range	5.38	units	
		Lab Fort Bl. Av. Rec	55.56	%	
		LFB Duplicate RPD	9.68	%	0-30
	1,2-Diphenylhydrazine (as Azobenzene)	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.22	mg/kg dry wt	
		Lab Fort Blk. % Rec.	73.27	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.20	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	72.35	%	
		Lab Fort Blank Range	0.91	units	
		Lab Fort Bl. Av. Rec	72.81	%	
		LFB Duplicate RPD	1.26	%	0-30
	Di-n-octylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.13	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11849

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90707					
	Di-n-octylphthalate	Lab Fort Blk. % Rec.	68.02	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.18	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	71.09	%	
		Lab Fort Blank Range	3.07	units	
		Lab Fort Bl. Av. Rec	69.56	%	
		LFB Duplicate RPD	4.42	%	0-30
	Fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.881	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.879	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.996	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	59.779	%	
		Lab Fort Blank Range	6.899	units	
		Lab Fort Bl. Av. Rec	56.329	%	
		LFB Duplicate RPD	12.249	%	0-30
	Fluorene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.832	mg/kg dry wt	
		Lab Fort Blk. % Rec.	49.959	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.891	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	53.479	%	
		Lab Fort Blank Range	3.520	units	
		Lab Fort Bl. Av. Rec	51.719	%	
		LFB Duplicate RPD	6.805	%	0-30
	Hexachlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.04	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.75	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.06	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	64.15	%	
		Lab Fort Blank Range	1.39	units	
		Lab Fort Bl. Av. Rec	63.45	%	
		LFB Duplicate RPD	2.20	%	0-30
	Hexachlorobutadiene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.07	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.21	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.11	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.89	%	
		Lab Fort Blank Range	2.68	units	
		Lab Fort Bl. Av. Rec	65.55	%	
		LFB Duplicate RPD	4.08	%	0-30

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11849

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90707					
	Hexachloroethane	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.07	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.69	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.12	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.25	%	
		Lab Fort Blank Range	2.56	units	
		Lab Fort Bl. Av. Rec	65.97	%	
		LFB Duplicate RPD	3.87	%	0-30
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.903	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.199	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.945	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	56.719	%	
		Lab Fort Blank Range	2.519	units	
		Lab Fort Bl. Av. Rec	55.459	%	
		LFB Duplicate RPD	4.543	%	0-30
	Isophorone	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.07	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.69	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.12	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.60	%	
		Lab Fort Blank Range	2.90	units	
		Lab Fort Bl. Av. Rec	66.14	%	
		LFB Duplicate RPD	4.38	%	0-30
	2-Methylnaphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.951	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.099	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.004	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	60.280	%	
		Lab Fort Blank Range	3.180	units	
		Lab Fort Bl. Av. Rec	58.690	%	
		LFB Duplicate RPD	5.418	%	0-30
	Nitrobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.03	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.05	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.08	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.33	%	
		Lab Fort Blank Range	3.28	units	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11849

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90707					
	Nitrobenzene	Lab Fort Bl. Av. Rec	63.69	%	
		LFB Duplicate RPD	5.14	%	0-30
	Phenanthrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.899	mg/kg dry wt	
		Lab Fort Blk. % Rec.	53.959	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.945	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	56.699	%	
		Lab Fort Blank Range	2.740	units	
		Lab Fort Bl. Av. Rec	55.329	%	
		LFB Duplicate RPD	4.952	%	0-30
	Pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.824	mg/kg dry wt	
		Lab Fort Blk. % Rec.	49.439	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.931	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	55.899	%	
		Lab Fort Blank Range	6.459	units	
		Lab Fort Bl. Av. Rec	52.669	%	
		LFB Duplicate RPD	12.265	%	0-30
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.06	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.83	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.11	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.91	%	
		Lab Fort Blank Range	3.07	units	
		Lab Fort Bl. Av. Rec	65.37	%	
		LFB Duplicate RPD	4.71	%	0-30
	2-Chlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.13	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.91	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.17	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	70.49	%	
		Lab Fort Blank Range	2.57	units	
		Lab Fort Bl. Av. Rec	69.20	%	
		LFB Duplicate RPD	3.72	%	0-30
	2,4-Dichlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.02	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.42	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.08	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11849

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90707					
	2,4-Dichlorophenol	Dup Lab Fort Bl %Rec	64.91	%	
		Lab Fort Blank Range	3.49	units	
		Lab Fort Bl. Av. Rec	63.17	%	
		LFB Duplicate RPD	5.54	%	0-30
	2,4-Dimethylphenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.04	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.71	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.10	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.52	%	
		Lab Fort Blank Range	3.80	units	
		Lab Fort Bl. Av. Rec	64.61	%	
		LFB Duplicate RPD	5.88	%	0-30
	2,4-Dinitrophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.59	mg/kg dry wt	
		Lab Fort Blk. % Rec.	35.55	%	10-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.72	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	43.21	%	
		Lab Fort Blank Range	7.65	units	
		Lab Fort Bl. Av. Rec	39.38	%	
		LFB Duplicate RPD	19.44	%	0-30
	o-cresol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.13	mg/kg dry wt	
		Lab Fort Blk. % Rec.	68.26	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.16	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.79	%	
		Lab Fort Blank Range	1.53	units	
		Lab Fort Bl. Av. Rec	69.02	%	
		LFB Duplicate RPD	2.23	%	0-30
	m & p-cresol(s)	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.03	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.35	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.08	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	64.81	%	
		Lab Fort Blank Range	2.46	units	
		Lab Fort Bl. Av. Rec	63.58	%	
		LFB Duplicate RPD	3.86	%	0-30
	2-Nitrophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.03	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.32	%	30-130

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QC SUMMARY REPORT

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11849

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90707					
	2-Nitrophenol	Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.08	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.27	%	
		Lab Fort Blank Range	2.95	units	
		Lab Fort Bl. Av. Rec	63.80	%	
		LFB Duplicate RPD	4.63	%	0-30
	4-Nitrophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.69	mg/kg dry wt	
		Lab Fort Blk. % Rec.	41.60	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.73	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	44.29	%	
		Lab Fort Blank Range	2.69	units	
		Lab Fort Bl. Av. Rec	42.94	%	
		LFB Duplicate RPD	6.28	%	0-50
	Phenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.15	mg/kg dry wt	
		Lab Fort Blk. % Rec.	69.07	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.20	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	72.49	%	
		Lab Fort Blank Range	3.41	units	
		Lab Fort Bl. Av. Rec	70.78	%	
		LFB Duplicate RPD	4.83	%	0-30
	2,4,5-Trichlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.99	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.65	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.08	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	64.85	%	
		Lab Fort Blank Range	5.19	units	
		Lab Fort Bl. Av. Rec	62.25	%	
		LFB Duplicate RPD	8.35	%	0-30
	2,4,6-Trichlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.06	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.03	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.12	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.36	%	
		Lab Fort Blank Range	3.32	units	
		Lab Fort Bl. Av. Rec	65.69	%	
		LFB Duplicate RPD	5.05	%	0-30
	Pentachlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	

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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11849

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90707					
	Pentachlorophenol	Lab Fort Blk. Found	0.95	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.21	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.99	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	59.49	%	
		Lab Fort Blank Range	2.27	units	
		Lab Fort Bl. Av. Rec	58.35	%	
		LFB Duplicate RPD	3.90	%	0-30
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.943	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.579	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.977	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.639	%	
		Lab Fort Blank Range	2.060	units	
		Lab Fort Bl. Av. Rec	57.609	%	
		LFB Duplicate RPD	3.575	%	0-30
	Acetophenone	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.07	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.49	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.12	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.31	%	
		Lab Fort Blank Range	2.82	units	
		Lab Fort Bl. Av. Rec	65.90	%	
		LFB Duplicate RPD	4.27	%	0-30

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QC SUMMARY REPORT

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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11850

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01407					
	Nitrobenzene-d5	Surrogate Recovery	53.3	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	54.4	%	30-130
	Terphenyl-d14	Surrogate Recovery	51.0	%	30-130
09B01409					
	Nitrobenzene-d5	Surrogate Recovery	60.8	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	39.3	%	30-130
	Terphenyl-d14	Surrogate Recovery	32.8	%	30-130
09B01410					
	Nitrobenzene-d5	Surrogate Recovery	50.8	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	49.9	%	30-130
	Terphenyl-d14	Surrogate Recovery	43.8	%	30-130
09B01412					
	Nitrobenzene-d5	Surrogate Recovery	39.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	30.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	28.0	%	30-130
BLANK-128638					
	Naphthalene	Blank	<0.167	mg/kg dry wt	
	Acenaphthene	Blank	<0.167	mg/kg dry wt	
	Acenaphthylene	Blank	<0.167	mg/kg dry wt	
	Anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.167	mg/kg dry wt	
	Chrysene	Blank	<0.167	mg/kg dry wt	
	Dibenz(a,h)anthracene	Blank	<0.167	mg/kg dry wt	
	Fluoranthene	Blank	<0.167	mg/kg dry wt	
	Fluorene	Blank	<0.167	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.167	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.167	mg/kg dry wt	
	Phenanthrene	Blank	<0.167	mg/kg dry wt	
	Pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(k)fluoranthene	Blank	<0.167	mg/kg dry wt	
LFBLANK-90708					
	Naphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.933	mg/kg dry wt	
		Lab Fort Blk. % Rec.	55.999	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.986	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	59.199	%	
		Lab Fort Blank Range	3.199	units	
		Lab Fort Bl. Av. Rec	57.599	%	
		LFB Duplicate RPD	5.555	%	0-30

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11850

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90708					
	Acenaphthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.913	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.799	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.955	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	57.299	%	
		Lab Fort Blank Range	2.500	units	
		Lab Fort Bl. Av. Rec	56.049	%	
		LFB Duplicate RPD	4.460	%	0-30
	Acenaphthylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.923	mg/kg dry wt	
		Lab Fort Blk. % Rec.	55.379	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.976	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.579	%	
		Lab Fort Blank Range	3.199	units	
		Lab Fort Bl. Av. Rec	56.979	%	
		LFB Duplicate RPD	5.616	%	0-30
	Anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.901	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.099	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.956	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	57.379	%	
		Lab Fort Blank Range	3.280	units	
		Lab Fort Bl. Av. Rec	55.739	%	
		LFB Duplicate RPD	5.884	%	0-30
	Benzo(a)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.918	mg/kg dry wt	
		Lab Fort Blk. % Rec.	55.099	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.968	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.099	%	
		Lab Fort Blank Range	2.999	units	
		Lab Fort Bl. Av. Rec	56.599	%	
		LFB Duplicate RPD	5.300	%	0-30
	Benzo(a)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.921	mg/kg dry wt	
		Lab Fort Blk. % Rec.	55.259	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.954	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	57.259	%	
		Lab Fort Blank Range	2.000	units	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11850

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90708					
	Benzo(a)pyrene	Lab Fort Bl. Av. Rec	56.259	%	
		LFB Duplicate RPD	3.554	%	0-30
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.864	mg/kg dry wt	
		Lab Fort Blk. % Rec.	51.839	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.888	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	53.299	%	
		Lab Fort Blank Range	1.459	units	
		Lab Fort Bl. Av. Rec	52.569	%	
		LFB Duplicate RPD	2.777	%	0-30
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.878	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.679	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.946	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	56.759	%	
		Lab Fort Blank Range	4.079	units	
		Lab Fort Bl. Av. Rec	54.719	%	
		LFB Duplicate RPD	7.456	%	0-30
	Chrysene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.941	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.459	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.991	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	59.459	%	
		Lab Fort Blank Range	2.999	units	
		Lab Fort Bl. Av. Rec	57.959	%	
		LFB Duplicate RPD	5.175	%	0-30
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.838	mg/kg dry wt	
		Lab Fort Blk. % Rec.	50.319	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.894	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	53.639	%	
		Lab Fort Blank Range	3.319	units	
		Lab Fort Bl. Av. Rec	51.979	%	
		LFB Duplicate RPD	6.387	%	0-30
	Fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.881	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.879	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.996	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11850

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90708					
	Fluoranthene	Dup Lab Fort Bl %Rec	59.779	%	
		Lab Fort Blank Range	6.899	units	
		Lab Fort Bl. Av. Rec	56.329	%	
		LFB Duplicate RPD	12.249	%	0-30
	Fluorene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.832	mg/kg dry wt	
		Lab Fort Blk. % Rec.	49.959	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.891	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	53.479	%	
		Lab Fort Blank Range	3.520	units	
		Lab Fort Bl. Av. Rec	51.719	%	
		LFB Duplicate RPD	6.805	%	0-30
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.903	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.199	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.945	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	56.719	%	
		Lab Fort Blank Range	2.519	units	
		Lab Fort Bl. Av. Rec	55.459	%	
		LFB Duplicate RPD	4.543	%	0-30
	2-Methylnaphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.951	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.099	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.004	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	60.280	%	
		Lab Fort Blank Range	3.180	units	
		Lab Fort Bl. Av. Rec	58.690	%	
		LFB Duplicate RPD	5.418	%	0-30
	Phenanthrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.899	mg/kg dry wt	
		Lab Fort Blk. % Rec.	53.959	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.945	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	56.699	%	
		Lab Fort Blank Range	2.740	units	
		Lab Fort Bl. Av. Rec	55.329	%	
		LFB Duplicate RPD	4.952	%	0-30
	Pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.824	mg/kg dry wt	
		Lab Fort Blk. % Rec.	49.439	%	40-140

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/SEMI-11850

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90708					
	Pyrene	Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.931	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	55.899	%	
		Lab Fort Blank Range	6.459	units	
		Lab Fort Bl. Av. Rec	52.669	%	
		LFB Duplicate RPD	12.265	%	0-30
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.943	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.579	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.977	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.639	%	
		Lab Fort Blank Range	2.060	units	
		Lab Fort Bl. Av. Rec	57.609	%	
		LFB Duplicate RPD	3.575	%	0-30

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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01408					
	1,2-Dichloroethane-d4	Surrogate Recovery	111.320	%	70-130
	Toluene-d8	Surrogate Recovery	95.440	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.840	%	70-130
09B01411					
	1,2-Dichloroethane-d4	Surrogate Recovery	111.920	%	70-130
	Toluene-d8	Surrogate Recovery	95.280	%	70-130
	Bromofluorobenzene	Surrogate Recovery	98.720	%	70-130
BLANK-128635					
	Acetone	Blank	<0.10	mg/kg dry wt	
	Benzene	Blank	<0.002	mg/kg dry wt	
	Carbon Tetrachloride	Blank	<0.002	mg/kg dry wt	
	Chloroform	Blank	<0.004	mg/kg dry wt	
	1,2-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,4-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	Ethyl Benzene	Blank	<0.002	mg/kg dry wt	
	2-Butanone (MEK)	Blank	<0.040	mg/kg dry wt	
	MIBK	Blank	<0.020	mg/kg dry wt	
	Naphthalene	Blank	<0.004	mg/kg dry wt	
	Styrene	Blank	<0.002	mg/kg dry wt	
	Tetrachloroethylene	Blank	<0.002	mg/kg dry wt	
	Toluene	Blank	<0.002	mg/kg dry wt	
	1,1,1-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Trichloroethylene	Blank	<0.002	mg/kg dry wt	
	Trichlorofluoromethane	Blank	<0.010	mg/kg dry wt	
	o-Xylene	Blank	<0.002	mg/kg dry wt	
	m + p Xylene	Blank	<0.004	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,3-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethylene	Blank	<0.004	mg/kg dry wt	
	1,4-Dioxane	Blank	<0.10	mg/kg dry wt	
	MTBE	Blank	<0.004	mg/kg dry wt	
	trans-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	Vinyl Chloride	Blank	<0.010	mg/kg dry wt	
	Methylene Chloride	Blank	<0.020	mg/kg dry wt	
	Chlorobenzene	Blank	<0.002	mg/kg dry wt	
	Chloromethane	Blank	<0.010	mg/kg dry wt	
	Bromomethane	Blank	<0.010	mg/kg dry wt	
	Chloroethane	Blank	<0.020	mg/kg dry wt	
	cis-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	trans-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	Chlorodibromomethane	Blank	<0.001	mg/kg dry wt	
	1,1,2-Trichloroethane	Blank	<0.002	mg/kg dry wt	

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BATCH QC: Lab fortified Blanks and Duplicates
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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128635					
	Bromoform	Blank	<0.002	mg/kg dry wt	
	1,1,2,2-Tetrachloroethane	Blank	<0.001	mg/kg dry wt	
	2-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.002	mg/kg dry wt	
	Isopropylbenzene	Blank	<0.002	mg/kg dry wt	
	p-Isopropyltoluene	Blank	<0.002	mg/kg dry wt	
	n-Propylbenzene	Blank	<0.002	mg/kg dry wt	
	sec-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	tert-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,2,4-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	1,3,5-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	4-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Dibromomethane	Blank	<0.002	mg/kg dry wt	
	cis-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloropropene	Blank	<0.002	mg/kg dry wt	
	1,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,3-Dichloropropane	Blank	<0.001	mg/kg dry wt	
	2,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,1,1,2-Tetrachloroethane	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichloropropane	Blank	<0.002	mg/kg dry wt	
	n-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	Dichlorodifluoromethane	Blank	<0.020	mg/kg dry wt	
	Bromochloromethane	Blank	<0.002	mg/kg dry wt	
	Bromobenzene	Blank	<0.002	mg/kg dry wt	
	Carbon Disulfide	Blank	<0.006	mg/kg dry wt	
	2-Hexanone	Blank	<0.020	mg/kg dry wt	
	Diethyl Ether	Blank	<0.020	mg/kg dry wt	
	Bromodichloromethane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromo-3-Chloropropane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromoethane	Blank	<0.001	mg/kg dry wt	
	Tetrahydrofuran	Blank	<0.010	mg/kg dry wt	
	Diisopropyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Butylethyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Amylmethyl Ether	Blank	<0.001	mg/kg dry wt	
LFBLANK-90700					
	Acetone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.190	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.450	%	50-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.222	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.310	%	70-160

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	Acetone	Lab Fort Blank Range	15.860	units	
		Lab Fort Bl. Av. Rec	103.380	%	
		LFB Duplicate RPD	15.341	%	0-25
	Benzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.800	%	70-130
		Lab Fort Blank Range	0.799	units	
		Lab Fort Bl. Av. Rec	93.200	%	
		LFB Duplicate RPD	0.858	%	0-25
	Carbon Tetrachloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.000	%	70-130
		Lab Fort Blank Range	2.000	units	
		Lab Fort Bl. Av. Rec	103.000	%	
		LFB Duplicate RPD	1.941	%	0-25
	Chloroform	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.400	%	70-130
		Lab Fort Blank Range	0.300	units	
		Lab Fort Bl. Av. Rec	95.250	%	
		LFB Duplicate RPD	0.314	%	0-25
	1,2-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.000	%	70-130
		Lab Fort Blank Range	2.200	units	
		Lab Fort Bl. Av. Rec	110.100	%	
		LFB Duplicate RPD	1.998	%	0-25
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	

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QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	1,4-Dichlorobenzene	Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.100	%	70-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	100.300	%	
		LFB Duplicate RPD	0.398	%	0-25
	Ethyl Benzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.800	%	70-130
		Lab Fort Blank Range	1.600	units	
		Lab Fort Bl. Av. Rec	106.600	%	
		LFB Duplicate RPD	1.500	%	0-25
	2-Butanone (MEK)	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.199	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.590	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.198	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.460	%	70-160
		Lab Fort Blank Range	0.129	units	
		Lab Fort Bl. Av. Rec	99.525	%	
		LFB Duplicate RPD	0.130	%	0-25
	MIBK	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.201	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.520	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.204	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.150	%	70-160
		Lab Fort Blank Range	1.630	units	
		Lab Fort Bl. Av. Rec	101.335	%	
		LFB Duplicate RPD	1.608	%	0-25
	Naphthalene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.900	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.400	%	40-130
		Lab Fort Blank Range	0.499	units	
		Lab Fort Bl. Av. Rec	103.150	%	
		LFB Duplicate RPD	0.484	%	0-25
	Styrene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	Styrene	Lab Fort Blk. % Rec.	107.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.500	%	70-130
		Lab Fort Blank Range	1.100	units	
		Lab Fort Bl. Av. Rec	107.050	%	
		LFB Duplicate RPD	1.027	%	0-25
	Tetrachloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.700	%	70-130
		Lab Fort Blank Range	0.199	units	
		Lab Fort Bl. Av. Rec	104.800	%	
		LFB Duplicate RPD	0.190	%	0-25
	Toluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.300	%	70-130
		Lab Fort Blank Range	0.200	units	
		Lab Fort Bl. Av. Rec	96.400	%	
		LFB Duplicate RPD	0.207	%	0-25
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.300	%	70-130
		Lab Fort Blank Range	0.900	units	
		Lab Fort Bl. Av. Rec	103.750	%	
		LFB Duplicate RPD	0.867	%	0-25
	Trichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.400	%	70-130
		Lab Fort Blank Range	1.899	units	
		Lab Fort Bl. Av. Rec	100.350	%	
		LFB Duplicate RPD	1.893	%	0-25

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	Trichlorofluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.600	%	70-130
		Lab Fort Blank Range	6.599	units	
		Lab Fort Bl. Av. Rec	105.300	%	
		LFB Duplicate RPD	6.267	%	0-25
	o-Xylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.100	%	70-130
		Lab Fort Blank Range	1.400	units	
		Lab Fort Bl. Av. Rec	101.800	%	
		LFB Duplicate RPD	1.375	%	0-25
	m + p Xylene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.042	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.600	%	70-130
		Dup Lab Fort Bl Amt.	0.040	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.041	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.750	%	70-130
		Lab Fort Blank Range	2.849	units	
		Lab Fort Bl. Av. Rec	104.175	%	
		LFB Duplicate RPD	2.735	%	0-25
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.100	%	70-130
		Lab Fort Blank Range	0.300	units	
		Lab Fort Bl. Av. Rec	105.250	%	
		LFB Duplicate RPD	0.285	%	0-25
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.900	%	70-130
		Lab Fort Blank Range	0.099	units	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	1,3-Dichlorobenzene	Lab Fort Bl. Av. Rec	104.850	%	
		LFB Duplicate RPD	0.095	%	0-25
	1,1-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.000	%	70-130
		Lab Fort Blank Range	0.999	units	
		Lab Fort Bl. Av. Rec	91.500	%	
		LFB Duplicate RPD	1.092	%	0-25
	1,1-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	82.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.500	%	70-130
		Lab Fort Blank Range	9.200	units	
		Lab Fort Bl. Av. Rec	86.900	%	
		LFB Duplicate RPD	10.586	%	0-25
	1,4-Dioxane	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.206	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.200	%	40-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.204	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.000	%	40-160
		Lab Fort Blank Range	1.200	units	
		Lab Fort Bl. Av. Rec	102.600	%	
		LFB Duplicate RPD	1.169	%	0-50
	MTBE	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.100	%	70-130
		Lab Fort Blank Range	1.599	units	
		Lab Fort Bl. Av. Rec	102.300	%	
		LFB Duplicate RPD	1.564	%	0-25
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	trans-1,2-Dichloroethylene	Dup Lab Fort Bl %Rec	92.700	%	70-130
		Lab Fort Blank Range	0.300	units	
		Lab Fort Bl. Av. Rec	92.850	%	
		LFB Duplicate RPD	0.323	%	0-25
	Vinyl Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	80.100	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	84.200	%	40-130
		Lab Fort Blank Range	4.100	units	
		Lab Fort Bl. Av. Rec	82.150	%	
		LFB Duplicate RPD	4.990	%	0-25
	Methylene Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.300	%	40-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.200	%	40-160
		Lab Fort Blank Range	3.900	units	
		Lab Fort Bl. Av. Rec	97.250	%	
		LFB Duplicate RPD	4.010	%	0-25
	Chlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.500	%	70-130
		Lab Fort Blank Range	0.600	units	
		Lab Fort Bl. Av. Rec	104.800	%	
		LFB Duplicate RPD	0.572	%	0-25
	Chloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.015	mg/kg dry wt	
		Lab Fort Blk. % Rec.	75.900	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	82.400	%	40-130
		Lab Fort Blank Range	6.499	units	
		Lab Fort Bl. Av. Rec	79.150	%	
		LFB Duplicate RPD	8.212	%	0-25
	Bromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.015	mg/kg dry wt	
		Lab Fort Blk. % Rec.	78.500	%	40-130

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	Bromomethane	Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.800	%	40-130
		Lab Fort Blank Range	9.300	units	
		Lab Fort Bl. Av. Rec	83.150	%	
		LFB Duplicate RPD	11.184	%	0-25
	Chloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	83.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.300	%	70-130
		Lab Fort Blank Range	5.700	units	
		Lab Fort Bl. Av. Rec	86.450	%	
		LFB Duplicate RPD	6.593	%	0-25
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.600	%	70-130
		Lab Fort Blank Range	0.999	units	
		Lab Fort Bl. Av. Rec	93.100	%	
		LFB Duplicate RPD	1.074	%	0-25
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.200	%	70-130
		Lab Fort Blank Range	1.699	units	
		Lab Fort Bl. Av. Rec	99.350	%	
		LFB Duplicate RPD	1.711	%	0-25
	Chlorodibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.700	%	70-130
		Lab Fort Blank Range	1.400	units	
		Lab Fort Bl. Av. Rec	107.400	%	
		LFB Duplicate RPD	1.303	%	0-25
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	

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QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	1,1,2-Trichloroethane	Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.100	%	70-130
		Lab Fort Blank Range	1.199	units	
		Lab Fort Bl. Av. Rec	94.500	%	
		LFB Duplicate RPD	1.269	%	0-25
	Bromoform	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.025	mg/kg dry wt	
		Lab Fort Blk. % Rec.	126.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.024	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	122.400	%	70-130
		Lab Fort Blank Range	3.699	units	
		Lab Fort Bl. Av. Rec	124.250	%	
		LFB Duplicate RPD	2.977	%	0-25
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.700	%	70-130
		Lab Fort Blank Range	1.200	units	
		Lab Fort Bl. Av. Rec	104.100	%	
		LFB Duplicate RPD	1.152	%	0-25
	2-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.800	%	70-130
		Lab Fort Blank Range	2.999	units	
		Lab Fort Bl. Av. Rec	107.300	%	
		LFB Duplicate RPD	2.795	%	0-25
	Hexachlorobutadiene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	112.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.300	%	70-130
		Lab Fort Blank Range	2.399	units	
		Lab Fort Bl. Av. Rec	111.500	%	

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QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	Hexachlorobutadiene	LFB Duplicate RPD	2.152	%	0-25
	Isopropylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	121.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.023	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	119.800	%	70-130
		Lab Fort Blank Range	1.200	units	
		Lab Fort Bl. Av. Rec	120.400	%	
		LFB Duplicate RPD	0.996	%	0-25
	p-Isopropyltoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	112.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.100	%	70-130
		Lab Fort Blank Range	0.899	units	
		Lab Fort Bl. Av. Rec	111.550	%	
		LFB Duplicate RPD	0.806	%	0-25
	n-Propylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.800	%	70-130
		Lab Fort Blank Range	1.800	units	
		Lab Fort Bl. Av. Rec	108.700	%	
		LFB Duplicate RPD	1.655	%	0-25
	sec-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.700	%	70-130
		Lab Fort Blank Range	0.299	units	
		Lab Fort Bl. Av. Rec	108.850	%	
		LFB Duplicate RPD	0.275	%	0-25
	tert-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.500	%	70-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.000	%	70-160

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	tert-Butylbenzene	Lab Fort Blank Range	0.499	units	
		Lab Fort Bl. Av. Rec	108.250	%	
		LFB Duplicate RPD	0.461	%	0-25
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.500	%	70-130
		Lab Fort Blank Range	3.500	units	
		Lab Fort Bl. Av. Rec	104.250	%	
		LFB Duplicate RPD	3.357	%	0-25
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.400	%	70-130
		Lab Fort Blank Range	1.699	units	
		Lab Fort Bl. Av. Rec	101.250	%	
		LFB Duplicate RPD	1.679	%	0-25
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.900	%	70-130
		Lab Fort Blank Range	1.299	units	
		Lab Fort Bl. Av. Rec	108.550	%	
		LFB Duplicate RPD	1.197	%	0-25
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	113.000	%	70-130
		Lab Fort Blank Range	1.699	units	
		Lab Fort Bl. Av. Rec	113.850	%	
		LFB Duplicate RPD	1.493	%	0-25
	4-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	4-Chlorotoluene	Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.400	%	70-130
		Lab Fort Blank Range	1.499	units	
		Lab Fort Bl. Av. Rec	109.150	%	
		LFB Duplicate RPD	1.374	%	0-25
	Dibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.000	%	70-130
		Lab Fort Blank Range	0.099	units	
		Lab Fort Bl. Av. Rec	101.950	%	
		LFB Duplicate RPD	0.098	%	0-25
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.700	%	70-130
		Lab Fort Blank Range	0.000	units	
		Lab Fort Bl. Av. Rec	94.700	%	
		LFB Duplicate RPD	0.000	%	0-25
	1,1-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.900	%	70-130
		Lab Fort Blank Range	0.999	units	
		Lab Fort Bl. Av. Rec	100.400	%	
		LFB Duplicate RPD	0.996	%	0-25
	1,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.200	%	70-130
		Lab Fort Blank Range	2.599	units	
		Lab Fort Bl. Av. Rec	88.500	%	
		LFB Duplicate RPD	2.937	%	0-25
	1,3-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	1,3-Dichloropropane	Lab Fort Blk. % Rec.	96.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.000	%	70-130
		Lab Fort Blank Range	1.800	units	
		Lab Fort Bl. Av. Rec	97.100	%	
		LFB Duplicate RPD	1.853	%	0-25
	2,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	85.100	%	70-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	85.300	%	
		LFB Duplicate RPD	0.468	%	0-25
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.000	%	70-130
		Lab Fort Blank Range	4.000	units	
		Lab Fort Bl. Av. Rec	104.000	%	
		LFB Duplicate RPD	3.846	%	0-25
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	82.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.000	%	70-130
		Lab Fort Blank Range	3.900	units	
		Lab Fort Bl. Av. Rec	84.050	%	
		LFB Duplicate RPD	4.640	%	0-25
	n-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.000	%	70-130
		Lab Fort Blank Range	0.599	units	
		Lab Fort Bl. Av. Rec	108.300	%	
		LFB Duplicate RPD	0.554	%	0-25

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	Dichlorodifluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.500	%	40-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.200	%	40-160
		Lab Fort Blank Range	3.700	units	
		Lab Fort Bl. Av. Rec	91.350	%	
		LFB Duplicate RPD	4.050	%	0-25
	Bromochloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.700	%	70-130
		Lab Fort Blank Range	0.299	units	
		Lab Fort Bl. Av. Rec	109.550	%	
		LFB Duplicate RPD	0.273	%	0-25
	Bromobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.800	%	70-130
		Lab Fort Blank Range	1.499	units	
		Lab Fort Bl. Av. Rec	108.550	%	
		LFB Duplicate RPD	1.381	%	0-25
	Carbon Disulfide	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.400	%	70-130
		Lab Fort Blank Range	6.200	units	
		Lab Fort Bl. Av. Rec	96.300	%	
		LFB Duplicate RPD	6.438	%	0-25
	2-Hexanone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.199	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.910	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.205	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.920	%	70-160
		Lab Fort Blank Range	3.009	units	

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QC SUMMARY REPORT

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Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	2-Hexanone	Lab Fort Bl. Av. Rec	101.415	%	
		LFB Duplicate RPD	2.968	%	0-25
	Diethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	82.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.800	%	70-130
		Lab Fort Blank Range	7.700	units	
		Lab Fort Bl. Av. Rec	85.950	%	
		LFB Duplicate RPD	8.958	%	0-25
	Bromodichloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.300	%	70-130
		Lab Fort Blank Range	0.700	units	
		Lab Fort Bl. Av. Rec	99.650	%	
		LFB Duplicate RPD	0.702	%	0-25
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.600	%	70-130
		Lab Fort Blank Range	0.100	units	
		Lab Fort Bl. Av. Rec	100.650	%	
		LFB Duplicate RPD	0.099	%	0-25
	1,2-Dibromoethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.500	%	70-130
		Lab Fort Blank Range	1.799	units	
		Lab Fort Bl. Av. Rec	104.600	%	
		LFB Duplicate RPD	1.720	%	0-25
	Tetrahydrofuran	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	

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QC SUMMARY REPORT

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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: GCMS/VOL-21344

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90700					
	Tetrahydrofuran	Dup Lab Fort Bl %Rec	96.600	%	70-130
		Lab Fort Blank Range	3.599	units	
		Lab Fort Bl. Av. Rec	94.800	%	
		LFB Duplicate RPD	3.797	%	0-25
	Diisopropyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.800	%	70-130
		Lab Fort Blank Range	0.999	units	
		Lab Fort Bl. Av. Rec	91.300	%	
		LFB Duplicate RPD	1.095	%	0-25
	tert-Butylethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.200	%	70-130
		Lab Fort Blank Range	0.900	units	
		Lab Fort Bl. Av. Rec	92.750	%	
		LFB Duplicate RPD	0.970	%	0-25
	tert-Amylmethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.400	%	70-130
		Lab Fort Blank Range	1.399	units	
		Lab Fort Bl. Av. Rec	93.100	%	
		LFB Duplicate RPD	1.503	%	0-25

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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: HG-9791

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01412					
	Mercury	Sample Amount	<0.052	mg/kg dry wt	
		Matrix Spk Amt Added	0.802	mg/kg dry wt	
		MS Amt Measured	0.571	mg/kg dry wt	
		Matrix Spike % Rec.	71.200	%	75-125
BLANK-128685					
	Mercury	Blank	<0.025	mg/kg dry wt	
LFBLANK-90747					
	Mercury	Lab Fort Blank Amt.	1.250	mg/kg dry wt	
		Lab Fort Blk. Found	0.874	mg/kg dry wt	
		Lab Fort Blk. % Rec.	69.988	%	65.9-133
		Dup Lab Fort Bl Amt.	1.250	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.994	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	79.531	%	65.9-133
		Lab Fort Blank Range	9.542	units	
		Lab Fort Bl. Av. Rec	74.759	%	
		LFB Duplicate RPD	12.764	%	

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QC SUMMARY REPORT

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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: HG-9795

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128691					
	Mercury	Blank	<0.025	mg/kg dry wt	
LFBLANK-90750					
	Mercury	Lab Fort Blank Amt.	1.250	mg/kg dry wt	
		Lab Fort Blk. Found	1.078	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.257	%	65.9-133
		Dup Lab Fort Bl Amt.	1.250	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.182	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.630	%	65.9-133
		Lab Fort Blank Range	8.373	units	
		Lab Fort Bl. Av. Rec	90.443	%	
		LFB Duplicate RPD	9.258	%	

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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: HG/TCLP-3426

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128694					
	Mercury	Blank	<0.00010	mg/l leachate	
LFBLANK-90757					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l leachate	
		Lab Fort Blk. Found	0.00174	mg/l leachate	
		Lab Fort Blk. % Rec.	87.10000	%	80-120
		Dup Lab Fort Bl Amt.	0.00200	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.00198	mg/l leachate	
		Dup Lab Fort Bl %Rec	99.15000	%	
		Lab Fort Blank Range	12.05000	units	
		Lab Fort Bl. Av. Rec	93.12500	%	
		LFB Duplicate RPD	12.93959	%	

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QC SUMMARY REPORT

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Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: ICP-20999

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01408					
	Silver	Sample Amount	<0.63	mg/kg dry wt	
		Matrix Spk Amt Added	31.32	mg/kg dry wt	
		MS Amt Measured	19.17	mg/kg dry wt	
		Matrix Spike % Rec.	61.22	%	75-125
	Arsenic	Sample Amount	10.67	mg/kg dry wt	
		Duplicate Value	11.93	mg/kg dry wt	
		Duplicate RPD	11.10	%	0-35
		Sample Amount	10.67	mg/kg dry wt	
		Matrix Spk Amt Added	31.32	mg/kg dry wt	
		MS Amt Measured	42.47	mg/kg dry wt	
		Matrix Spike % Rec.	101.48	%	75-125
	Barium	Sample Amount	244.65	mg/kg dry wt	
		Duplicate Value	303.85	mg/kg dry wt	
		Duplicate RPD	21.58	%	0-35
		Sample Amount	244.65	mg/kg dry wt	
		Matrix Spk Amt Added	31.32	mg/kg dry wt	
		MS Amt Measured	296.27	mg/kg dry wt	
		Matrix Spike % Rec.	164.77	%	75-125
	Beryllium	Sample Amount	<0.32	mg/kg dry wt	
		Matrix Spk Amt Added	31.32	mg/kg dry wt	
		MS Amt Measured	30.46	mg/kg dry wt	
		Matrix Spike % Rec.	97.26	%	75-125
	Cadmium	Sample Amount	1.45	mg/kg dry wt	
		Duplicate Value	1.60	mg/kg dry wt	
		Duplicate RPD	9.68	%	0-35
		Sample Amount	1.45	mg/kg dry wt	
		Matrix Spk Amt Added	31.32	mg/kg dry wt	
		MS Amt Measured	30.12	mg/kg dry wt	
		Matrix Spike % Rec.	91.51	%	75-125
	Chromium	Sample Amount	18.36	mg/kg dry wt	
		Duplicate Value	18.08	mg/kg dry wt	
		Duplicate RPD	1.49	%	0-35
		Sample Amount	18.36	mg/kg dry wt	
		Matrix Spk Amt Added	31.32	mg/kg dry wt	
		MS Amt Measured	58.70	mg/kg dry wt	
		Matrix Spike % Rec.	128.77	%	75-125
	Nickel	Sample Amount	16.97	mg/kg dry wt	
		Duplicate Value	19.01	mg/kg dry wt	
		Duplicate RPD	11.32	%	0-35
		Sample Amount	16.97	mg/kg dry wt	
		Matrix Spk Amt Added	31.32	mg/kg dry wt	
		MS Amt Measured	57.83	mg/kg dry wt	
		Matrix Spike % Rec.	130.42	%	75-125

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: ICP-20999

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01408					
	Lead	Sample Amount	767.73	mg/kg dry wt	
		Duplicate Value	38705.36	mg/kg dry wt	
		Duplicate RPD	192.22	%	0-35
		Sample Amount	767.73	mg/kg dry wt	
		Matrix Spk Amt Added	31.32	mg/kg dry wt	
		MS Amt Measured	641.82	mg/kg dry wt	
		Matrix Spike % Rec.	-401.88	%	75-125
	Antimony	Sample Amount	<5.02	mg/kg dry wt	
		Duplicate Value	11.76	mg/kg dry wt	
		Duplicate RPD	>80.4	%	0-35
		Sample Amount	<5.02	mg/kg dry wt	
		Matrix Spk Amt Added	31.32	mg/kg dry wt	
		MS Amt Measured	14.29	mg/kg dry wt	
		Matrix Spike % Rec.	45.64	%	75-125
	Selenium	Sample Amount	<6.27	mg/kg dry wt	
		Matrix Spk Amt Added	31.32	mg/kg dry wt	
		MS Amt Measured	-18.85	mg/kg dry wt	
		Matrix Spike % Rec.	-60.18	%	75-125
	Thallium	Sample Amount	<3.76	mg/kg dry wt	
		Duplicate Value		mg/kg dry wt	
		Sample Amount	<3.76	mg/kg dry wt	
		Matrix Spk Amt Added	31.32	mg/kg dry wt	
		MS Amt Measured	40.70	mg/kg dry wt	
		Matrix Spike % Rec.	129.94	%	75-125
	Vanadium	Sample Amount	29.40	mg/kg dry wt	
		Duplicate Value	28.30	mg/kg dry wt	
		Duplicate RPD	3.80	%	0-35
		Sample Amount	29.40	mg/kg dry wt	
		Matrix Spk Amt Added	31.32	mg/kg dry wt	
		MS Amt Measured	58.55	mg/kg dry wt	
		Matrix Spike % Rec.	93.05	%	75-125
	Zinc	Sample Amount	361.47	mg/kg dry wt	
		Duplicate Value	393.40	mg/kg dry wt	
		Duplicate RPD	8.45	%	0-35
		Sample Amount	361.47	mg/kg dry wt	
		Matrix Spk Amt Added	31.32	mg/kg dry wt	
		MS Amt Measured	412.99	mg/kg dry wt	
		Matrix Spike % Rec.	164.44	%	75-125
BLANK-128686					
	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Barium	Blank	<5.00	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: ICP-20999

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128686					
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Vanadium	Blank	<5.00	mg/kg dry wt	
	Zinc	Blank	<1.00	mg/kg dry wt	
LFBLANK-90748					
	Silver	Lab Fort Blank Amt.	81.20	mg/kg dry wt	
		Lab Fort Blk. Found	76.33	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.00	%	66-133
		Dup Lab Fort Bl Amt.	81.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	74.20	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.37	%	66-133
		Lab Fort Blank Range	2.62	units	
		Lab Fort Bl. Av. Rec	92.69	%	
		LFB Duplicate RPD	2.83	%	0-30
	Arsenic	Lab Fort Blank Amt.	133.00	mg/kg dry wt	
		Lab Fort Blk. Found	142.41	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.07	%	80-120
		Dup Lab Fort Bl Amt.	133.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	137.93	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.70	%	80-120
		Lab Fort Blank Range	3.36	units	
		Lab Fort Bl. Av. Rec	105.39	%	
		LFB Duplicate RPD	3.19	%	0-30
	Barium	Lab Fort Blank Amt.	226.00	mg/kg dry wt	
		Lab Fort Blk. Found	237.54	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.10	%	81-119
		Dup Lab Fort Bl Amt.	226.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	240.01	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.19	%	81-119
		Lab Fort Blank Range	1.09	units	
		Lab Fort Bl. Av. Rec	105.65	%	
		LFB Duplicate RPD	1.03	%	0-30
	Beryllium	Lab Fort Blank Amt.	117.00	mg/kg dry wt	
		Lab Fort Blk. Found	123.76	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.77	%	84-116
		Dup Lab Fort Bl Amt.	117.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	121.93	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.21	%	84-116

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: ICP-20999

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90748					
	Beryllium	Lab Fort Blank Range	1.56	units	
		Lab Fort Bl. Av. Rec	104.99	%	
		LFB Duplicate RPD	1.48	%	0-30
	Cadmium	Lab Fort Blank Amt.	103.00	mg/kg dry wt	
		Lab Fort Blk. Found	97.09	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.26	%	83-117
		Dup Lab Fort Bl Amt.	103.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	97.63	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.78	%	83-117
		Lab Fort Blank Range	0.52	units	
		Lab Fort Bl. Av. Rec	94.52	%	
		LFB Duplicate RPD	0.55	%	0-30
	Chromium	Lab Fort Blank Amt.	219.00	mg/kg dry wt	
		Lab Fort Blk. Found	241.69	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.36	%	82-118
		Dup Lab Fort Bl Amt.	219.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	240.77	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.94	%	82-118
		Lab Fort Blank Range	0.42	units	
		Lab Fort Bl. Av. Rec	110.15	%	
		LFB Duplicate RPD	0.38	%	0-30
	Nickel	Lab Fort Blank Amt.	119.00	mg/kg dry wt	
		Lab Fort Blk. Found	121.47	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.07	%	80-120
		Dup Lab Fort Bl Amt.	119.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	123.05	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.40	%	80-120
		Lab Fort Blank Range	1.32	units	
		Lab Fort Bl. Av. Rec	102.73	%	
		LFB Duplicate RPD	1.29	%	0-30
	Lead	Lab Fort Blank Amt.	168.00	mg/kg dry wt	
		Lab Fort Blk. Found	148.19	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.20	%	82-118
		Dup Lab Fort Bl Amt.	168.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	142.68	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	84.92	%	82-118
		Lab Fort Blank Range	3.27	units	
		Lab Fort Bl. Av. Rec	86.56	%	
		LFB Duplicate RPD	3.78	%	0-30
	Antimony	Lab Fort Blank Amt.	79.20	mg/kg dry wt	
		Lab Fort Blk. Found	101.10	mg/kg dry wt	
		Lab Fort Blk. % Rec.	127.65	%	30-207
		Dup Lab Fort Bl Amt.	79.20	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: ICP-20999

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90748					
	Antimony	Dup Lab Fort Bl. Fnd	99.99	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	126.25	%	30-207
		Lab Fort Blank Range	1.40	units	
		Lab Fort Bl. Av. Rec	126.95	%	
		LFB Duplicate RPD	1.10	%	0-30
	Selenium	Lab Fort Blank Amt.	94.10	mg/kg dry wt	
		Lab Fort Blk. Found	85.04	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.37	%	77-123
		Dup Lab Fort Bl Amt.	94.10	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	82.31	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.47	%	77-123
		Lab Fort Blank Range	2.90	units	
		Lab Fort Bl. Av. Rec	88.92	%	
		LFB Duplicate RPD	3.26	%	0-30
	Thallium	Lab Fort Blank Amt.	152.00	mg/kg dry wt	
		Lab Fort Blk. Found	162.60	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.97	%	82-120
		Dup Lab Fort Bl Amt.	152.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	161.82	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.46	%	82-120
		Lab Fort Blank Range	0.51	units	
		Lab Fort Bl. Av. Rec	106.71	%	
		LFB Duplicate RPD	0.48	%	0-30
	Vanadium	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	130.38	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.00	%	80-120
		Dup Lab Fort Bl Amt.	123.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	129.18	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.02	%	80-120
		Lab Fort Blank Range	0.97	units	
		Lab Fort Bl. Av. Rec	105.51	%	
		LFB Duplicate RPD	0.92	%	0-30
	Zinc	Lab Fort Blank Amt.	280.00	mg/kg dry wt	
		Lab Fort Blk. Found	282.04	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.72	%	81-119
		Dup Lab Fort Bl Amt.	280.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	272.77	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.41	%	81-119
		Lab Fort Blank Range	3.31	units	
		Lab Fort Bl. Av. Rec	99.07	%	
		LFB Duplicate RPD	3.34	%	0-30

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: ICP/TCLP-4649

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128681					
	Silver	Blank	<0.005	mg/l leachate	
	Arsenic	Blank	<0.010	mg/l leachate	
	Barium	Blank	<0.10	mg/l leachate	
	Cadmium	Blank	<0.005	mg/l leachate	
	Chromium	Blank	<0.01	mg/l leachate	
	Lead	Blank	<0.015	mg/l leachate	
	Selenium	Blank	<0.05	mg/l leachate	
LFBLANK-90741					
	Silver	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.455	mg/l leachate	
		Lab Fort Blk. % Rec.	91.060	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.447	mg/l leachate	
		Dup Lab Fort Bl %Rec	89.400	%	
		Lab Fort Blank Range	1.659	units	
		Lab Fort Bl. Av. Rec	90.230	%	
		LFB Duplicate RPD	1.839	%	
	Arsenic	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.508	mg/l leachate	
		Lab Fort Blk. % Rec.	101.760	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.524	mg/l leachate	
		Dup Lab Fort Bl %Rec	104.920	%	
		Lab Fort Blank Range	3.160	units	
		Lab Fort Bl. Av. Rec	103.340	%	
		LFB Duplicate RPD	3.057	%	
	Barium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.46	mg/l leachate	
		Lab Fort Blk. % Rec.	93.56	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.47	mg/l leachate	
		Dup Lab Fort Bl %Rec	95.62	%	
		Lab Fort Blank Range	2.06	units	
		Lab Fort Bl. Av. Rec	94.59	%	
		LFB Duplicate RPD	2.17	%	
	Cadmium	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.493	mg/l leachate	
		Lab Fort Blk. % Rec.	98.600	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.503	mg/l leachate	
		Dup Lab Fort Bl %Rec	100.780	%	
		Lab Fort Blank Range	2.180	units	
		Lab Fort Bl. Av. Rec	99.690	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/22/2009 Lims Bat # : LIMT-22703

QC Batch Number: ICP/TCLP-4649

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90741					
	Cadmium	LFB Duplicate RPD	2.186	%	
	Chromium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.46	mg/l leachate	
		Lab Fort Blk. % Rec.	93.16	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.47	mg/l leachate	
		Dup Lab Fort Bl %Rec	95.12	%	
		Lab Fort Blank Range	1.96	units	
		Lab Fort Bl. Av. Rec	94.14	%	
		LFB Duplicate RPD	2.08	%	
	Lead	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.419	mg/l leachate	
		Lab Fort Blk. % Rec.	83.800	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.432	mg/l leachate	
		Dup Lab Fort Bl %Rec	86.500	%	
		Lab Fort Blank Range	2.700	units	
		Lab Fort Bl. Av. Rec	85.150	%	
		LFB Duplicate RPD	3.170	%	
	Selenium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.48	mg/l leachate	
		Lab Fort Blk. % Rec.	97.78	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.51	mg/l leachate	
		Dup Lab Fort Bl %Rec	102.94	%	
		Lab Fort Blank Range	5.16	units	
		Lab Fort Bl. Av. Rec	100.36	%	
		LFB Duplicate RPD	5.14	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
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BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

NOTES:

QC Batch No. : GCMS/SEMI-11850
Sample ID : 09B01412
Analysis : Terphenyl-d14

SURROGATE RECOVERY OUTSIDE OF CON-TEST CONTROL LIMITS, BUT WITHIN METHOD REQUIREMENTS.

QC Batch No. : GC/FID-22954
Sample ID : 09B01413
Analysis : Terphenyl

SURROGATE CONCENTRATION BELOW DETECTION LIMIT DUE TO DILUTION REQUIRED FOR SAMPLE ANALYSIS.

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
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BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: LIMT-22703
Project Location: CITY OF NEW BEDFORD	MADEP RTN[1]:

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

09B01407-09B01414

Sample Matrices: ☐ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other: _____

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☐ Yes ☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☐ Yes ☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☐ Yes ☐ No[1]
D	***VPH and EPH Methods only***: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☐ Yes ☐ No [1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☒ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☒ No[1]

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

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

Signature: Edward Denson	**Position: Technical Director**
Printed Name: Edward Denson	**Date:** 1/22/09

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6-

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

Lmt # 22703

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

Company Name: TRC
Address: 650 Suffolk Street
Lowell, MA 01854
Attention: David Sullivan
Project Location: City of New Bedford
Sampled By: Jeff Saunders / Emilie Whittal

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

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 Unknown proposal date

State Form Required? ☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 09B	Start Date/~~Time~~	~~Stop~~ ~~Date~~/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP Metals	TCLP Metals	VOCs*	SVOCs	PAHs	TPH 8100					# of containers	**Preservation	~Cont.Code
									1	1	3	1	1	1							
									G	G	V	G	G	G							
									I	I	M/B	I	I	I							
	TRC-1 (1)	01407	1/20/09	1000		G	S	L	X				X								
	TRC-1 (5)	01408 / 13		1010					X	X	X	X	X	X							
	TRC-1 (8)	01409		1015					X				X								
	TRC-1 (10) (HOLD)			1020					X				X				(Hold)				
	TRC-10 (1)	01410		1415					X				X								
	TRC-10 (4)	01411 / 14		1420					X	X	X	X	X	X							
	TRC-10 (9)	01412		1425					X				X								
	TRC-10 (12) (HOLD)		1/20/09	1430		G	S	L	X				X								

* Not pre-labeled so sample location/time written on vial cap (JS)

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

Client Comments:
* Rush 24-hr turnaround on all samples & additional 4 oz jars for total metals & PAH to make sure there is sufficient volume

Laboratory Comments: TCLP RCRA & only per D. Sullivan 1/21/09 TZF

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: 1/20/09 1440
Received by: (signature)	Date/Time: 1/20/09 1447
Relinquished by: (signature)	Date/Time: 1-20-9 1654
Received by: (signature) Temp 3C	Date/Time: 1/20/09 16:54

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

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
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

** 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

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East Longmeadow, MA.
01028
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Sample Receipt Checklist

CLIENT NAME: TRC MA RECEIVED BY: KA DATE: 1/20/09

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 3°C

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

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes No KA 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: 19C

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

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	4
500 mL Amber		4 oz clear jar	8
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below	6	Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 4

Bisulfate 2 # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

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

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REPORT DATE 1/23/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22731
JOB NUMBER: 115058

PROJECT LOCATION: FORMER KEITH JUNIOR HIGH, NEW BEDFORD

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
TRC-17(1 FT)	09B01512	SOIL	Not Specified	6010 drywt mcp	
TRC-17(1 FT)	09B01512	SOIL	Not Specified	hg (mg/kg) dw	
TRC-17(1 FT)	09B01512	SOIL	Not Specified	pah - sludge	
TRC-17(1 FT)	09B01512	SOIL	Not Specified	solids (percent)	
TRC-17(5 FT)	09B01513	SOIL	Not Specified	6010 drywt mcp	
TRC-17(5 FT)	09B01513	SOIL	Not Specified	8260 mcp drywt	
TRC-17(5 FT)	09B01513	SOIL	Not Specified	8270 mcp drywt	
TRC-17(5 FT)	09B01513	SOIL	Not Specified	hg (mg/kg) dw	
TRC-17(5 FT)	09B01513	SOIL	Not Specified	solids (percent)	
TRC-17(5 FT)	09B01513	SOIL	Not Specified	tph gc dry 8100m	
TRC-17(5 FT)	09B01518	SOIL	Not Specified	tclp - metals	
TRC-17(7 FT)	09B01514	SOIL	Not Specified	6010 drywt mcp	
TRC-17(7 FT)	09B01514	SOIL	Not Specified	hg (mg/kg) dw	
TRC-17(7 FT)	09B01514	SOIL	Not Specified	pah - sludge	
TRC-17(7 FT)	09B01514	SOIL	Not Specified	solids (percent)	
*TRC-17D(1 FT)	09B01515	SOIL	Not Specified	6010 drywt mcp	
*TRC-17D(1 FT)	09B01515	SOIL	Not Specified	hg (mg/kg) dw	
*TRC-17D(1 FT)	09B01515	SOIL	Not Specified	pah - sludge	
*TRC-17D(1 FT)	09B01515	SOIL	Not Specified	solids (percent)	
TRC-37(1 FT)	09B01510	SOIL	Not Specified	6010 drywt mcp	
TRC-37(1 FT)	09B01510	SOIL	Not Specified	hg (mg/kg) dw	
TRC-37(1 FT)	09B01510	SOIL	Not Specified	pah - sludge	
TRC-37(1 FT)	09B01510	SOIL	Not Specified	solids (percent)	
TRC-37(4-5 FT)	09B01509	SOIL	Not Specified	6010 drywt mcp	
TRC-37(4-5 FT)	09B01509	SOIL	Not Specified	8260 mcp drywt	
TRC-37(4-5 FT)	09B01509	SOIL	Not Specified	8270 mcp drywt	
TRC-37(4-5 FT)	09B01509	SOIL	Not Specified	hg (mg/kg) dw	
TRC-37(4-5 FT)	09B01509	SOIL	Not Specified	solids (percent)	
TRC-37(4-5 FT)	09B01509	SOIL	Not Specified	tph gc dry 8100m	
TRC-37(4-5 FT)	09B01517	SOIL	Not Specified	tclp - metals	
TRC-37(7 FT)QC	09B01511	SOIL	Not Specified	6010 drywt mcp	
TRC-37(7 FT)QC	09B01511	SOIL	Not Specified	hg (mg/kg) dw	
TRC-37(7 FT)QC	09B01511	SOIL	Not Specified	pah - sludge	
TRC-37(7 FT)QC	09B01511	SOIL	Not Specified	solids (percent)	
TRC-39(1 FT)	09B01506	SOIL	Not Specified	6010 drywt mcp	
TRC-39(1 FT)	09B01506	SOIL	Not Specified	hg (mg/kg) dw	
TRC-39(1 FT)	09B01506	SOIL	Not Specified	pah - sludge	
TRC-39(1 FT)	09B01506	SOIL	Not Specified	solids (percent)	
TRC-39(4-5 FT)	09B01507	SOIL	Not Specified	6010 drywt mcp	

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REPORT DATE 1/23/2009

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650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
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PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22731
JOB NUMBER: 115058

TRC-39(4-5 FT)	09B01507	SOIL	Not Specified	8260 mcp drywt
TRC-39(4-5 FT)	09B01507	SOIL	Not Specified	8270 mcp drywt
TRC-39(4-5 FT)	09B01507	SOIL	Not Specified	hg (mg/kg) dw
TRC-39(4-5 FT)	09B01507	SOIL	Not Specified	solids (percent)
TRC-39(4-5 FT)	09B01507	SOIL	Not Specified	tph gc dry 8100m
TRC-39(4-5 FT)	09B01516	SOIL	Not Specified	tclp - metals
TRC-39(8 FT)	09B01508	SOIL	Not Specified	6010 drywt mcp
TRC-39(8 FT)	09B01508	SOIL	Not Specified	hg (mg/kg) dw
TRC-39(8 FT)	09B01508	SOIL	Not Specified	pah - sludge
TRC-39(8 FT)	09B01508	SOIL	Not Specified	solids (percent)
TRC-39D(1 FT)	09B01505	SOIL	Not Specified	6010 drywt mcp
TRC-39D(1 FT)	09B01505	SOIL	Not Specified	hg (mg/kg) dw
TRC-39D(1 FT)	09B01505	SOIL	Not Specified	pah - sludge
TRC-39D(1 FT)	09B01505	SOIL	Not Specified	solids (percent)

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ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22731
JOB NUMBER: 115058

Comments :

LIMS BATCH NO. : LIMT-22731

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 8260, the initial and/or continuing calibration did not meet method specifications. For samples 09B01507, 01509, and 01513, Acetone, 2-Butanone, Tetrahydrofuran, and 1,4-Dioxane were calibrated with a relative response factor <0.05.

In method 6010 SOIL, the low level calibration check is outside control limits for Be. Reported results for this element at or near the detection limit may be bias on the low side.
The matrix spike and matrix spike duplicate recoveries are outside control limits for Sb.
Analysis is in control based on LFB recovery. Ms and msd recoveries are >30%; no corrective action is necessary. Possibility of sample matrix effects that may lead to a low bias for reported result cannot be eliminated.

In method 6010 TCLP, the low level calibration check is outside control limits for Be. Reported results for this element at or near the detection limit may be bias on the low side.

In method 8270, laboratory fortified blank duplicate (laboratory control sample) RPD for 4-Chloroaniline in samples 09B01507, 09B01509, and 09B01513, is outside of control limits. Reduced precision is anticipated for any reported results for this compound in these samples.

In method 8270, for sample 09B01512 (4x), any reported result for Pyrene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenz(a,h)anthracene, and Benzo(g,h,i)perylene is estimated. Internal standard areas for Chrysene-d12 (36%) and Perylene-d12 (43%) did not meet method-specified criteria. Sample was re-analyzed at a 10x dilution with similar internal standard failure for Chrysene-d12 (26%) and Perylene-d12 (21%). All results were "not detected" in both analyses.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW46 8100M - ADDITIONAL DETAILS

In method 8100M, all samples were extracted on 01/21/2009 using method SW846 3546 (Microwave).

METHOD SW846 8260 - ADDITIONAL DETAILS

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where recovery control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative.
Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, vinyl chloride, chloromethane, dichlorodifluoromethane, 2-hexanone, naphthalene, and bromomethane
Additional difficult analytes in water only: 2,2-dichloropropane and tetrachloroethylene
Additional difficult analytes in soil only: 1,2,3-trichloropropane, methylene chloride, n-butylbenzene,

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REPORT DATE 1/23/2009

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ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22731
JOB NUMBER: 115058

and tert-butylbenzene
Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for "difficult analytes" where RPDs of 50% are used and/or unless otherwise listed in this narrative.
Difficult analyte: 1,4-dioxane

All 8260 surrogate standard recoveries were within control limits specified by the method unless listed below:

8260 QC SURROGATE RECOVERIES

BLANK-128712

D4-1,2-DICHLOROETHANE:	106%
D8-TOLUENE:	95%
BROMOFLUOROBENZENE:	97%

LFBLANK-90773	LFB	LFB DUPLICATE
D4-1,2-DICHLOROETHANE:	103%	107%
D8-TOLUENE:	98%	97%
BROMOFLUOROBENZENE:	98%	99%

All analyte list compounds were reported for method 8260 unless noted below:
Only the MCP analytes were requested and reported

METHOD SW846-6010 - ADDITIONAL DETAILS

A duplicate, matrix spike and matrix spike duplicate were performed on soil sample 09B01511.
The sample duplicate is not reported for Ag, As, Be, Cd, Sb, Se and Tl due to non detect sample and duplicate results.
Soil method blank contamination noted above the reporting limit for Zn. All sample results are >10x the level of contamination, no corrective action is necessary.

A matrix spike performed on TCLP sample 09B01518. The ms recovery is outside control limits for Pb. Sample concentration is >4x the spike level, therefore a representative recovery may not be obtainable.
The TCLP laboratory fortified blank recovery and duplicate are outside of control limits for As. Data validation is not affected since all results are "not detected" for all samples in this batch for this element and the bias is on the high side.
The TCLP laboratory fortified blank is within limits for Se but duplicate recovery is outside control limits. Analysis is in control.

METHOD SW846 7470/7471A - ADDITIONAL DETAILS

Sample duplicate, matrix spike and matrix spike duplicate were performed on SOIL sample 09B01511.
Sample duplicate not reported due to non-detect sample and duplicate results.
Matrix spike recovery is outside control limits, but duplicate matrix spike recovery is within limits.
Outlier should be viewed as a one-time anomaly. Analysis is in control.

Matrix spike performed on TCLP sample 09B01516.

METHOD SW846 8270 - ADDITIONAL DETAILS

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REPORT DATE 1/23/2009

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ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22731
JOB NUMBER: 115058

Solid samples, if any, in the batch were extracted by the following method:
Microwave: SW-846 3546

All 8270 samples were analyzed undiluted unless specified below:

Sample	Dilution(s)
09B01509	x2 (all compounds; sample matrix)
09B01512	x10 and x4(sample matrix; all results not detected in both runs with IS failures)
09B01513	x10(Phenanthrene and Pyrene) and x2(sample matrix; all other compounds)
09B01515	x4 (all compounds; sample matrix)

In method 8270, for 2,4-Dinitrophenol and 4-Nitrophenol in samples 09B01507, 09B01509, and 09B01513, data is not affected by continuing calibration non-conformance since bias is on the high side and all results are "not detected".

In method 8270, for Benzo(b)fluoranthene and Benzo(k)fluoranthene in samples 09B01505, 09B01506, 09B01508, 09B01510, 09B01512, and 09B01514, data is not affected by continuing calibration non-conformance since bias is on the high side and all results are "not detected".

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative.

Difficult analytes for soil LCS - limits between 10 and 180% depending on the compound (see QC summary report for limits): 3,3'-dichlorobenzidine, aniline, 2,4-dinitrophenol, and 4-chloroaniline.

Difficult analytes for water LCS - limits between 10 and 150% depending on the compound (see QC summary report for limits): dimethylphthalate, bis(2-chloroisopropyl)ether, 4-nitrophenol, and phenol.

Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for "difficult analytes" where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative.

Difficult analytes for water RPDs: aniline, benzo(a,h)anthracene, dimethylphthalte, hexachloroethane, indeno(1,2,3-cd)pyrene, 2,4-dinitrophenol, 4-nitrophenol, 2,4,6-trichlorophenol, and pentachlorophenol.

Difficult analytes for soil RPDs: 3,3'-dichlorobenzidine, 4-nitrophenol, and aniline.

In method 8270, for sample 09B01506, surrogate recovery of Terphenyl-d14 is outside of control limits, but within method requirements.

In method 8270, for sample 09B01511, either matrix spike or matrix spike duplicate recovery for Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Dibenz(a,h)anthracene, Fluoranthene, and Indeno(1,2,3-cd)pyrene is outside of control limits, but the other is within limits. Outlier should be viewed as a one-time anomaly.

8270 QC Surrogate recoveries

BLANK-128729

Phenol-d6:	81.5%
Nitrobenzene-d5:	65.0%
2-Fluorobiphenyl:	63.0%
2,4,6-Tribromophenol:	58.0%
Terphenyl-d14:	58.0%

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2-Fluorphenol:	82.5%

LFBLANK-90792	LFB	LFB Duplicate
Phenol-d6:	69.2%	68.5%
Nitrobenzene-d5:	60.8%	61.2%
2-Fluorobiphenyl:	62.8%	62.0%
2,4,6-Tribromophenol:	69.5%	83.5%
Terphenyl-d14:	80.4%	87.6%
2-Fluorophenol:	69.6%	70.2%

Matrix Spike Sample 09B01511	MS	MS Duplicate
Phenol-d6:	67.0%	65.2%
Nitrobenzene-d5:	59.6%	51.9%
2-Fluorobiphenyl:	49.5%	44.1%
2,4,6-Tribromophenol:	82.3%	77.8%
Terphenyl-d14:	71.8%	70.1%
2-Fluorophenol:	68.1%	61.2%

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

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 individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Damon 1/23/09

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

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

REPORT DATE 1/23/2009

TRC SOLUTIONS - LOWELL
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LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

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ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22731
JOB NUMBER: 115058

SIGNATURE	DATE		
		Edward Denson Technical Director	Daren Damboragian Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-17(1 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01512 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	OP	5.07			
Arsenic	mg/kg dry wt	3.75	01/22/09	OP	3.17			
Barium	mg/kg dry wt	75.7	01/22/09	OP	6.34			
Beryllium	mg/kg dry wt	ND	01/22/09	OP	0.32			
Cadmium	mg/kg dry wt	ND	01/22/09	OP	0.32			
Chromium	mg/kg dry wt	29.5	01/22/09	OP	0.64			
Lead	mg/kg dry wt	31.8	01/22/09	OP	0.96			
Nickel	mg/kg dry wt	14.4	01/22/09	OP	0.64			
Selenium	mg/kg dry wt	ND	01/22/09	OP	6.34			
Silver	mg/kg dry wt	ND	01/22/09	OP	0.64			
Thallium	mg/kg dry wt	ND	01/22/09	OP	3.81			
Vanadium	mg/kg dry wt	37.2	01/22/09	OP	6.34			
Zinc	mg/kg dry wt	40.6	01/22/09	OP	1.27			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

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con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-17(5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01513 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	OP	5.04			
Arsenic	mg/kg dry wt	12.0	01/22/09	OP	3.15			
Barium	mg/kg dry wt	239	01/22/09	OP	6.30			
Beryllium	mg/kg dry wt	ND	01/22/09	OP	0.32			
Cadmium	mg/kg dry wt	20.3	01/22/09	OP	0.32			
Chromium	mg/kg dry wt	15.9	01/22/09	OP	0.63			
Lead	mg/kg dry wt	1230	01/22/09	OP	0.95			
Nickel	mg/kg dry wt	12.7	01/22/09	OP	0.63			
Selenium	mg/kg dry wt	ND	01/22/09	OP	6.30			
Silver	mg/kg dry wt	ND	01/22/09	OP	0.63			
Thallium	mg/kg dry wt	ND	01/22/09	OP	3.78			
Vanadium	mg/kg dry wt	20.1	01/22/09	OP	6.30			
Zinc	mg/kg dry wt	16800	01/22/09	OP	1.26			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-17(7 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01514 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	OP	4.41			
Arsenic	mg/kg dry wt	ND	01/22/09	OP	2.76			
Barium	mg/kg dry wt	15.1	01/22/09	OP	5.51			
Beryllium	mg/kg dry wt	ND	01/22/09	OP	0.28			
Cadmium	mg/kg dry wt	ND	01/22/09	OP	0.28			
Chromium	mg/kg dry wt	6.54	01/22/09	OP	0.56			
Lead	mg/kg dry wt	3.55	01/22/09	OP	0.83			
Nickel	mg/kg dry wt	3.58	01/22/09	OP	0.56			
Selenium	mg/kg dry wt	ND	01/22/09	OP	5.51			
Silver	mg/kg dry wt	ND	01/22/09	OP	0.56			
Thallium	mg/kg dry wt	ND	01/22/09	OP	3.31			
Vanadium	mg/kg dry wt	ND	01/22/09	OP	5.51			
Zinc	mg/kg dry wt	30.8	01/22/09	OP	1.11			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-17D(1 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01515 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	OP	4.49			
Arsenic	mg/kg dry wt	3.37	01/22/09	OP	2.81			
Barium	mg/kg dry wt	69.3	01/22/09	OP	5.61			
Beryllium	mg/kg dry wt	ND	01/22/09	OP	0.29			
Cadmium	mg/kg dry wt	ND	01/22/09	OP	0.29			
Chromium	mg/kg dry wt	26.1	01/22/09	OP	0.57			
Lead	mg/kg dry wt	26.2	01/22/09	OP	0.85			
Nickel	mg/kg dry wt	12.3	01/22/09	OP	0.57			
Selenium	mg/kg dry wt	ND	01/22/09	OP	5.61			
Silver	mg/kg dry wt	ND	01/22/09	OP	0.57			
Thallium	mg/kg dry wt	ND	01/22/09	OP	3.37			
Vanadium	mg/kg dry wt	36.6	01/22/09	OP	5.61			
Zinc	mg/kg dry wt	36.4	01/22/09	OP	1.13			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-37(1 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01510 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	OP	5.25			
Arsenic	mg/kg dry wt	5.38	01/22/09	OP	3.28			
Barium	mg/kg dry wt	54.8	01/22/09	OP	6.56			
Beryllium	mg/kg dry wt	ND	01/22/09	OP	0.33			
Cadmium	mg/kg dry wt	ND	01/22/09	OP	0.33			
Chromium	mg/kg dry wt	13.0	01/22/09	OP	0.66			
Lead	mg/kg dry wt	203	01/22/09	OP	0.99			
Nickel	mg/kg dry wt	4.78	01/22/09	OP	0.66			
Selenium	mg/kg dry wt	ND	01/22/09	OP	6.56			
Silver	mg/kg dry wt	ND	01/22/09	OP	0.66			
Thallium	mg/kg dry wt	ND	01/22/09	OP	3.94			
Vanadium	mg/kg dry wt	22.8	01/22/09	OP	6.56			
Zinc	mg/kg dry wt	46.6	01/22/09	OP	1.32			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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DAVID SULLIVAN
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650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-37(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01509 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	OP	5.22			
Arsenic	mg/kg dry wt	19.8	01/22/09	OP	3.26			
Barium	mg/kg dry wt	1290	01/22/09	OP	6.52			
Beryllium	mg/kg dry wt	0.67	01/22/09	OP	0.33			
Cadmium	mg/kg dry wt	3.60	01/22/09	OP	0.33			
Chromium	mg/kg dry wt	126	01/22/09	OP	0.66			
Lead	mg/kg dry wt	4460	01/22/09	OP	0.98			
Nickel	mg/kg dry wt	15.9	01/22/09	OP	0.66			
Selenium	mg/kg dry wt	ND	01/22/09	OP	6.52			
Silver	mg/kg dry wt	ND	01/22/09	OP	0.66			
Thallium	mg/kg dry wt	ND	01/22/09	OP	3.92			
Vanadium	mg/kg dry wt	34.8	01/22/09	OP	6.52			
Zinc	mg/kg dry wt	1050	01/22/09	OP	1.31			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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DAVID SULLIVAN
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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-37(7 FT)QC

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01511 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	OP	4.41			
Arsenic	mg/kg dry wt	ND	01/22/09	OP	2.76			
Barium	mg/kg dry wt	29.9	01/22/09	OP	5.51			
Beryllium	mg/kg dry wt	ND	01/22/09	OP	0.28			
Cadmium	mg/kg dry wt	ND	01/22/09	OP	0.28			
Chromium	mg/kg dry wt	21.0	01/22/09	OP	0.56			
Lead	mg/kg dry wt	4.16	01/22/09	OP	0.83			
Nickel	mg/kg dry wt	9.77	01/22/09	OP	0.56			
Selenium	mg/kg dry wt	ND	01/22/09	OP	5.51			
Silver	mg/kg dry wt	ND	01/22/09	OP	0.56			
Thallium	mg/kg dry wt	ND	01/22/09	OP	3.31			
Vanadium	mg/kg dry wt	13.0	01/22/09	OP	5.51			
Zinc	mg/kg dry wt	56.3	01/22/09	OP	1.11			

Analytical Method:
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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39(1 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01506 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	OP	5.07			
Arsenic	mg/kg dry wt	7.11	01/22/09	OP	3.17			
Barium	mg/kg dry wt	128	01/22/09	OP	6.34			
Beryllium	mg/kg dry wt	ND	01/22/09	OP	0.32			
Cadmium	mg/kg dry wt	0.98	01/22/09	OP	0.32			
Chromium	mg/kg dry wt	15.0	01/22/09	OP	0.64			
Lead	mg/kg dry wt	127	01/22/09	OP	0.96			
Nickel	mg/kg dry wt	9.00	01/22/09	OP	0.64			
Selenium	mg/kg dry wt	ND	01/22/09	OP	6.34			
Silver	mg/kg dry wt	ND	01/22/09	OP	0.64			
Thallium	mg/kg dry wt	ND	01/22/09	OP	3.81			
Vanadium	mg/kg dry wt	21.4	01/22/09	OP	6.34			
Zinc	mg/kg dry wt	240	01/22/09	OP	1.27			

Analytical Method:
SW846 6010
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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01507 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	OP	5.10			
Arsenic	mg/kg dry wt	17.8	01/22/09	OP	3.19			
Barium	mg/kg dry wt	437	01/22/09	OP	6.37			
Beryllium	mg/kg dry wt	0.85	01/22/09	OP	0.32			
Cadmium	mg/kg dry wt	3.32	01/22/09	OP	0.32			
Chromium	mg/kg dry wt	27.8	01/22/09	OP	0.64			
Lead	mg/kg dry wt	1020	01/22/09	OP	0.96			
Nickel	mg/kg dry wt	72.0	01/22/09	OP	0.64			
Selenium	mg/kg dry wt	ND	01/22/09	OP	6.37			
Silver	mg/kg dry wt	1.44	01/22/09	OP	0.64			
Thallium	mg/kg dry wt	ND	01/22/09	OP	3.83			
Vanadium	mg/kg dry wt	25.9	01/22/09	OP	6.37			
Zinc	mg/kg dry wt	1140	01/22/09	OP	1.28			

Analytical Method:
SW846 6010
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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39(8 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01508 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	OP	5.54			
Arsenic	mg/kg dry wt	9.64	01/22/09	OP	3.46			
Barium	mg/kg dry wt	523	01/22/09	OP	6.92			
Beryllium	mg/kg dry wt	0.52	01/22/09	OP	0.35			
Cadmium	mg/kg dry wt	1.05	01/22/09	OP	0.35			
Chromium	mg/kg dry wt	17.8	01/22/09	OP	0.70			
Lead	mg/kg dry wt	14500	01/22/09	OP	1.04			
Nickel	mg/kg dry wt	10.5	01/22/09	OP	0.70			
Selenium	mg/kg dry wt	ND	01/22/09	OP	6.92			
Silver	mg/kg dry wt	ND	01/22/09	OP	0.70			
Thallium	mg/kg dry wt	ND	01/22/09	OP	4.15			
Vanadium	mg/kg dry wt	24.8	01/22/09	OP	6.92			
Zinc	mg/kg dry wt	379	01/22/09	OP	1.39			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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DAVID SULLIVAN
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650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39D(1 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01505 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/22/09	OP	5.08			
Arsenic	mg/kg dry wt	5.50	01/22/09	OP	3.18			
Barium	mg/kg dry wt	61.2	01/22/09	OP	6.35			
Beryllium	mg/kg dry wt	ND	01/22/09	OP	0.32			
Cadmium	mg/kg dry wt	0.46	01/22/09	OP	0.32			
Chromium	mg/kg dry wt	13.1	01/22/09	OP	0.64			
Lead	mg/kg dry wt	94.2	01/22/09	OP	0.96			
Nickel	mg/kg dry wt	6.90	01/22/09	OP	0.64			
Selenium	mg/kg dry wt	ND	01/22/09	OP	6.35			
Silver	mg/kg dry wt	ND	01/22/09	OP	0.64			
Thallium	mg/kg dry wt	ND	01/22/09	OP	3.81			
Vanadium	mg/kg dry wt	19.0	01/22/09	OP	6.35			
Zinc	mg/kg dry wt	104	01/22/09	OP	1.27			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-17(5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01513

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	01/22/09	MFF	0.100			
tert-Amylmethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Benzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromochloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromodichloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromoform	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.010			
2-Butanone (MEK)	mg/kg dry wt	ND	01/22/09	MFF	0.040			
n-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
sec-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
tert-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
tert-Butylethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	01/22/09	MFF	0.006			
Carbon Tetrachloride	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Chlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Chlorodibromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.020			
Chloroform	mg/kg dry wt	ND	01/22/09	MFF	0.004			
Chloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.010			
2-Chlorotoluene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
4-Chlorotoluene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dibromoethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Dichlorodifluoromethane	mg/kg dry wt	ND	01/22/09	MFF	0.020			

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‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-17(5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01513

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1-Dichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.004			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,3-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.020			
Diisopropyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	01/22/09	MFF	0.100			
Ethyl Benzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Hexachlorobutadiene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
2-Hexanone	mg/kg dry wt	ND	01/22/09	MFF	0.020			
Isopropylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
p-Isopropyltoluene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
MTBE	mg/kg dry wt	ND	01/22/09	MFF	0.004			
Methylene Chloride	mg/kg dry wt	ND	01/22/09	MFF	0.020			
MIBK	mg/kg dry wt	ND	01/22/09	MFF	0.020			
Naphthalene	mg/kg dry wt	ND	01/22/09	MFF	0.004			
n-Propylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Styrene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Tetrahydrofuran	mg/kg dry wt	ND	01/22/09	MFF	0.010			

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-17(5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01513

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Toluene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1,1-Trichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1,2-Trichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Trichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Trichlorofluoromethane	mg/kg dry wt	ND	01/22/09	MFF	0.010			
1,2,3-Trichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Vinyl Chloride	mg/kg dry wt	ND	01/22/09	MFF	0.010			
m + p Xylene	mg/kg dry wt	ND	01/22/09	MFF	0.004			
o-Xylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-37(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01509

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	01/22/09	MFF	0.089			
tert-Amylmethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Benzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromochloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromodichloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromoform	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.009			
2-Butanone (MEK)	mg/kg dry wt	ND	01/22/09	MFF	0.036			
n-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
sec-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
tert-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
tert-Butylethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	01/22/09	MFF	0.006			
Carbon Tetrachloride	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Chlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Chlorodibromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.018			
Chloroform	mg/kg dry wt	ND	01/22/09	MFF	0.004			
Chloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.009			
2-Chlorotoluene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
4-Chlorotoluene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dibromoethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Dichlorodifluoromethane	mg/kg dry wt	ND	01/22/09	MFF	0.018			

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-37(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01509

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1-Dichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.004			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,3-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.018			
Diisopropyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	01/22/09	MFF	0.089			
Ethyl Benzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Hexachlorobutadiene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
2-Hexanone	mg/kg dry wt	ND	01/22/09	MFF	0.018			
Isopropylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
p-Isopropyltoluene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
MTBE	mg/kg dry wt	ND	01/22/09	MFF	0.004			
Methylene Chloride	mg/kg dry wt	ND	01/22/09	MFF	0.018			
MIBK	mg/kg dry wt	ND	01/22/09	MFF	0.018			
Naphthalene	mg/kg dry wt	ND	01/22/09	MFF	0.004			
n-Propylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Styrene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Tetrahydrofuran	mg/kg dry wt	ND	01/22/09	MFF	0.009			

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-37(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01509

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Toluene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1,1-Trichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1,2-Trichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Trichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Trichlorofluoromethane	mg/kg dry wt	ND	01/22/09	MFF	0.009			
1,2,3-Trichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Vinyl Chloride	mg/kg dry wt	ND	01/22/09	MFF	0.009			
m + p Xylene	mg/kg dry wt	ND	01/22/09	MFF	0.004			
o-Xylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01507

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	01/22/09	MFF	0.094			
tert-Amylmethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Benzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromochloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromodichloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromoform	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Bromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.010			
2-Butanone (MEK)	mg/kg dry wt	ND	01/22/09	MFF	0.038			
n-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
sec-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
tert-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
tert-Butylethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	01/22/09	MFF	0.006			
Carbon Tetrachloride	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Chlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Chlorodibromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.019			
Chloroform	mg/kg dry wt	ND	01/22/09	MFF	0.004			
Chloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.010			
2-Chlorotoluene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
4-Chlorotoluene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dibromoethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Dichlorodifluoromethane	mg/kg dry wt	ND	01/22/09	MFF	0.019			

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01507

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1-Dichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.004			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,3-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.019			
Diisopropyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	01/22/09	MFF	0.094			
Ethyl Benzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Hexachlorobutadiene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
2-Hexanone	mg/kg dry wt	ND	01/22/09	MFF	0.019			
Isopropylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
p-Isopropyltoluene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
MTBE	mg/kg dry wt	ND	01/22/09	MFF	0.004			
Methylene Chloride	mg/kg dry wt	ND	01/22/09	MFF	0.019			
MIBK	mg/kg dry wt	ND	01/22/09	MFF	0.019			
Naphthalene	mg/kg dry wt	ND	01/22/09	MFF	0.004			
n-Propylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Styrene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Tetrahydrofuran	mg/kg dry wt	ND	01/22/09	MFF	0.010			

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01507

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Toluene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1,1-Trichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,1,2-Trichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Trichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Trichlorofluoromethane	mg/kg dry wt	ND	01/22/09	MFF	0.010			
1,2,3-Trichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Vinyl Chloride	mg/kg dry wt	ND	01/22/09	MFF	0.010			
m + p Xylene	mg/kg dry wt	ND	01/22/09	MFF	0.004			
o-Xylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-17(5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01513

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	1.95	01/22/09	BGL	0.420			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	BGL	0.420			
Acetophenone	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Aniline	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Anthracene	mg/kg dry wt	2.49	01/22/09	BGL	0.420			
Benzo(a)anthracene	mg/kg dry wt	4.37	01/22/09	BGL	0.420			
Benzo(a)pyrene	mg/kg dry wt	3.59	01/22/09	BGL	0.420			
Benzo(b)fluoranthene	mg/kg dry wt	3.53	01/22/09	BGL	0.420			
Benzo(g,h,i)perylene	mg/kg dry wt	1.18	01/22/09	BGL	0.420			
Benzo(k)fluoranthene	mg/kg dry wt	1.22	01/22/09	BGL	0.420			
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	01/22/09	BGL	0.84			
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Butylbenzylphthalate	mg/kg dry wt	ND	01/22/09	BGL	1.68			
4-Chloroaniline	mg/kg dry wt	ND	01/22/09	BGL	1.68			
2-Chloronaphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.84			
2-Chlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Chrysene	mg/kg dry wt	4.72	01/22/09	BGL	0.420			
Dibenzofuran	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.420			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.84			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.84			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.84			
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	01/22/09	BGL	0.42			
2,4-Dichlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Diethylphthalate	mg/kg dry wt	ND	01/22/09	BGL	0.84			
2,4-Dimethylphenol	mg/kg dry wt	ND	01/22/09	BGL	0.84			

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-17(5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01513

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	01/22/09	BGL	1.68			
Di-n-butylphthalate	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Di-n-octylphthalate	mg/kg dry wt	ND	01/22/09	BGL	1.68			
2,4-Dinitrophenol	mg/kg dry wt	ND	01/22/09	BGL	1.68			
2,4-Dinitrotoluene	mg/kg dry wt	ND	01/22/09	BGL	0.84			
2,6-Dinitrotoluene	mg/kg dry wt	ND	01/22/09	BGL	0.84			
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Fluoranthene	mg/kg dry wt	6.65	01/22/09	BGL	0.420			
Fluorene	mg/kg dry wt	1.40	01/22/09	BGL	0.420			
Hexachlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Hexachlorobutadiene	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Hexachloroethane	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	1.39	01/22/09	BGL	0.420			
Isophorone	mg/kg dry wt	ND	01/22/09	BGL	0.84			
o-cresol	mg/kg dry wt	ND	01/22/09	BGL	0.84			
m & p-cresol(s)	mg/kg dry wt	ND	01/22/09	BGL	0.84			
2-Methylnaphthalene	mg/kg dry wt	0.484	01/22/09	BGL	0.420			
Naphthalene	mg/kg dry wt	0.564	01/22/09	BGL	0.420			
Nitrobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.84			
2-Nitrophenol	mg/kg dry wt	ND	01/22/09	BGL	0.84			
4-Nitrophenol	mg/kg dry wt	ND	01/22/09	BGL	1.68			
Pentachlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Phenanthrene	mg/kg dry wt	14.2	01/22/09	BGL	0.420			
Phenol	mg/kg dry wt	ND	01/22/09	BGL	0.84			
Pyrene	mg/kg dry wt	9.66	01/22/09	BGL	0.420			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.84			
2,4,5-Trichlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.84			
2,4,6-Trichlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.84			

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-17(5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01513

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extraction Date 8270		1/21/2009	01/22/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-37(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01509

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	BGL	0.435			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	BGL	0.435			
Acetophenone	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Aniline	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.435			
Benzo(a)anthracene	mg/kg dry wt	0.686	01/22/09	BGL	0.435			
Benzo(a)pyrene	mg/kg dry wt	0.593	01/22/09	BGL	0.435			
Benzo(b)fluoranthene	mg/kg dry wt	0.641	01/22/09	BGL	0.435			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	BGL	0.435			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.435			
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	01/22/09	BGL	0.87			
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Butylbenzylphthalate	mg/kg dry wt	ND	01/22/09	BGL	1.74			
4-Chloroaniline	mg/kg dry wt	ND	01/22/09	BGL	1.74			
2-Chloronaphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.87			
2-Chlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Chrysene	mg/kg dry wt	0.775	01/22/09	BGL	0.435			
Dibenzofuran	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.435			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.87			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.87			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.87			
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	01/22/09	BGL	0.44			
2,4-Dichlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Diethylphthalate	mg/kg dry wt	ND	01/22/09	BGL	0.87			
2,4-Dimethylphenol	mg/kg dry wt	ND	01/22/09	BGL	0.87			

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-37(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01509 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	01/22/09	BGL	1.74			
Di-n-butylphthalate	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Di-n-octylphthalate	mg/kg dry wt	ND	01/22/09	BGL	1.74			
2,4-Dinitrophenol	mg/kg dry wt	ND	01/22/09	BGL	1.74			
2,4-Dinitrotoluene	mg/kg dry wt	ND	01/22/09	BGL	0.87			
2,6-Dinitrotoluene	mg/kg dry wt	ND	01/22/09	BGL	0.87			
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Fluoranthene	mg/kg dry wt	1.50	01/22/09	BGL	0.435			
Fluorene	mg/kg dry wt	ND	01/22/09	BGL	0.435			
Hexachlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Hexachlorobutadiene	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Hexachloroethane	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.435			
Isophorone	mg/kg dry wt	ND	01/22/09	BGL	0.87			
o-cresol	mg/kg dry wt	ND	01/22/09	BGL	0.87			
m & p-cresol(s)	mg/kg dry wt	ND	01/22/09	BGL	0.87			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.435			
Naphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.435			
Nitrobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.87			
2-Nitrophenol	mg/kg dry wt	ND	01/22/09	BGL	0.87			
4-Nitrophenol	mg/kg dry wt	ND	01/22/09	BGL	1.74			
Pentachlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Phenanthrene	mg/kg dry wt	1.56	01/22/09	BGL	0.435			
Phenol	mg/kg dry wt	ND	01/22/09	BGL	0.87			
Pyrene	mg/kg dry wt	1.70	01/22/09	BGL	0.435			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.87			
2,4,5-Trichlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.87			
2,4,6-Trichlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.87			

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con-test® ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-37(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01509

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extraction Date 8270		1/21/2009	01/22/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01507

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
Acetophenone	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Aniline	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	01/22/09	BGL	0.43			
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Butylbenzylphthalate	mg/kg dry wt	ND	01/22/09	BGL	0.85			
4-Chloroaniline	mg/kg dry wt	ND	01/22/09	BGL	0.85			
2-Chloronaphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.43			
2-Chlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Chrysene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
Dibenzofuran	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.43			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.43			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.43			
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	01/22/09	BGL	0.22			
2,4-Dichlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Diethylphthalate	mg/kg dry wt	ND	01/22/09	BGL	0.43			
2,4-Dimethylphenol	mg/kg dry wt	ND	01/22/09	BGL	0.43			

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01507

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	01/22/09	BGL	0.85			
Di-n-butylphthalate	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Di-n-octylphthalate	mg/kg dry wt	ND	01/22/09	BGL	0.85			
2,4-Dinitrophenol	mg/kg dry wt	ND	01/22/09	BGL	0.85			
2,4-Dinitrotoluene	mg/kg dry wt	ND	01/22/09	BGL	0.43			
2,6-Dinitrotoluene	mg/kg dry wt	ND	01/22/09	BGL	0.43			
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Fluoranthene	mg/kg dry wt	0.251	01/22/09	BGL	0.213			
Fluorene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
Hexachlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Hexachlorobutadiene	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Hexachloroethane	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
Isophorone	mg/kg dry wt	ND	01/22/09	BGL	0.43			
o-cresol	mg/kg dry wt	ND	01/22/09	BGL	0.43			
m & p-cresol(s)	mg/kg dry wt	ND	01/22/09	BGL	0.43			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
Naphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
Nitrobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.43			
2-Nitrophenol	mg/kg dry wt	ND	01/22/09	BGL	0.43			
4-Nitrophenol	mg/kg dry wt	ND	01/22/09	BGL	0.85			
Pentachlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Phenanthrene	mg/kg dry wt	ND	01/22/09	BGL	0.213			
Phenol	mg/kg dry wt	ND	01/22/09	BGL	0.43			
Pyrene	mg/kg dry wt	0.345	01/22/09	BGL	0.213			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	BGL	0.43			
2,4,5-Trichlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.43			
2,4,6-Trichlorophenol	mg/kg dry wt	ND	01/22/09	BGL	0.43			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

con-test® ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01507

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extraction Date 8270		1/21/2009	01/22/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009

LIMS-BAT #: LIMT-22731
Job Number: 115058

Field Sample # : TRC-17(1 FT)

Sample ID : 09B01512 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.032	01/22/09	KM	0.011			

Field Sample # : TRC-17(5 FT)

Sample ID : 09B01513 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	38.0	01/22/09	KM	1.25			

Field Sample # : TRC-17(7 FT)

Sample ID : 09B01514 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/22/09	KM	0.012			

Field Sample # : TRC-17D(1 FT)

Sample ID : 09B01515 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.019	01/22/09	KM	0.017			

Field Sample # : TRC-37(1 FT)

Sample ID : 09B01510 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.114	01/22/09	KM	0.021			

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009

LIMS-BAT #: LIMT-22731
Job Number: 115058

Field Sample # : TRC-37(4-5 FT)

Sample ID : 09B01509 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.501	01/22/09	KM	0.018			

Field Sample # : TRC-37(7 FT)QC

Sample ID : 09B01511 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/22/09	KM	0.017			

Field Sample # : TRC-39(1 FT)

Sample ID : 09B01506 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.087	01/22/09	KM	0.014			

Field Sample # : TRC-39(4-5 FT)

Sample ID : 09B01507 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	1.49	01/22/09	KM	0.044			

Field Sample # : TRC-39(8 FT)

Sample ID : 09B01508 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.095	01/22/09	KM	0.022			

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con-test® ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39D(1 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01505

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.085	01/22/09	KM	0.021			

Analytical Method:
SW846 3050/7471
SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-17(1 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01512 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Chrysene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Fluorene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Naphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Phenanthrene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.845			
Extraction Date 8270		1/21/2009	01/22/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-17(7 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01514 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Chrysene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Fluorene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Naphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Phenanthrene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Extraction Date 8270		1/21/2009	01/22/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-17D(1 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : *09B01515 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Chrysene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Fluorene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Naphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Phenanthrene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.748			
Extraction Date 8270		1/21/2009	01/22/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-37(1 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01510 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Chrysene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Fluorene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Naphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Phenanthrene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.219			
Extraction Date 8270		1/21/2009	01/22/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-37(7 FT)QC

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : *09B01511 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Chrysene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Fluorene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Naphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Phenanthrene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.184			
Extraction Date 8270		1/21/2009	01/22/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39(1 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01506 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Chrysene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Fluorene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Naphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Phenanthrene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Extraction Date 8270		1/21/2009	01/22/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

con-test® ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39(8 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01508

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Chrysene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Fluorene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Naphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Phenanthrene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.231			
Extraction Date 8270		1/21/2009	01/22/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39D(1 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01505 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Chrysene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Fluoranthene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Fluorene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Naphthalene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Phenanthrene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Pyrene	mg/kg dry wt	ND	01/22/09	BGL	0.212			
Extraction Date 8270		1/21/2009	01/22/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009

LIMS-BAT #: LIMT-22731
Job Number: 115058

Field Sample # : TRC-17(1 FT)

Sample ID : 09B01512 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	78.9	01/22/09	FD				

Field Sample # : TRC-17(5 FT)

Sample ID : 09B01513 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	79.4	01/22/09	FD				

Field Sample # : TRC-17(7 FT)

Sample ID : 09B01514 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	90.9	01/22/09	FD				

Field Sample # : TRC-17D(1 FT)

Sample ID : 09B01515 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	89.2	01/22/09	FD				

Field Sample # : TRC-37(1 FT)

Sample ID : 09B01510 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	76.3	01/22/09	FD				

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009

LIMS-BAT #: LIMT-22731
Job Number: 115058

Field Sample # : TRC-37(4-5 FT)

Sample ID : 09B01509 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	76.7	01/22/09	FD				

Field Sample # : TRC-37(7 FT)QC

Sample ID : 09B01511 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	90.8	01/22/09	FD				

Field Sample # : TRC-39(1 FT)

Sample ID : 09B01506 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	78.9	01/22/09	FD				

Field Sample # : TRC-39(4-5 FT)

Sample ID : 09B01507 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	78.5	01/22/09	FD				

Field Sample # : TRC-39(8 FT)

Sample ID : 09B01508 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	72.3	01/22/09	FD				

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39D(1 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01505

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	78.8	01/22/09	FD				

Analytical Method:
SM 2540G
PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009

LIMS-BAT #: LIMT-22731
Job Number: 115058

Field Sample # : TRC-17(5 FT)

Sample ID : 09B01518 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/22/09	OP	0.010		5	P
Barium	mg/l leachate	1.11	01/22/09	OP	0.10		100	P
Cadmium	mg/l leachate	0.020	01/22/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	01/22/09	OP	0.01		5	P
Lead	mg/l leachate	11.6	01/22/09	OP	0.015		5	F
Mercury	mg/l leachate	ND	01/22/09	AMP	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/22/09	OP	0.05		1	P
Silver	mg/l leachate	ND	01/22/09	OP	0.005		5	P

Field Sample # : TRC-37(4-5 FT)

Sample ID : 09B01517 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/22/09	OP	0.010		5	P
Barium	mg/l leachate	2.46	01/22/09	OP	0.10		100	P
Cadmium	mg/l leachate	0.100	01/22/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	01/22/09	OP	0.01		5	P
Lead	mg/l leachate	84.4	01/22/09	OP	0.015		5	F
Mercury	mg/l leachate	ND	01/22/09	AMP	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/22/09	OP	0.05		1	P
Silver	mg/l leachate	ND	01/22/09	OP	0.005		5	P

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009
Field Sample # : TRC-39(4-5 FT)

LIMS-BAT #: LIMT-22731
Job Number: 115058

Sample ID : 09B01516 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/22/09	OP	0.010		5	P
Barium	mg/l leachate	1.61	01/22/09	OP	0.10		100	P
Cadmium	mg/l leachate	0.025	01/22/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	01/22/09	OP	0.01		5	P
Lead	mg/l leachate	3.06	01/22/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	01/22/09	AMP	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/22/09	OP	0.05		1	P
Silver	mg/l leachate	ND	01/22/09	OP	0.005		5	P

Analytical Method:

SW846 1311/6010 1311/7470

SW846 1311 TCLP EXTRACTION. SAMPLES ARE EXTRACTED FOR 18-24 HOURS INTO A pH 5.0 BUFFER SOLUTION TO PRODUCE A LEACHATE. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

SW846 6010 ARSENIC, BARIUM, CADMIUM, CHROMIUM, LEAD, SELENIUM AND SILVER LEACHATES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY.

SW846 7470 MERCURY LEACHATE IS ANALYZED BY COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY.

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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009

LIMS-BAT #: LIMT-22731
Job Number: 115058

Field Sample # : TRC-17(5 FT)

Sample ID : 09B01513 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unknown Hydrocarbons	mg/kg dry wt	590	01/22/09	PJG	210			

Field Sample # : TRC-37(4-5 FT)

Sample ID : 09B01509 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unknown Hydrocarbons	mg/kg dry wt	55	01/22/09	PJG	55			

Field Sample # : TRC-39(4-5 FT)

Sample ID : 09B01507 ‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unknown Hydrocarbons	mg/kg dry wt	75	01/22/09	PJG	54			

Analytical Method:
MODIFIED SW846 8100
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE AND ANALYZED BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION (FID). ALL PEAKS ELUTING IN THE PETROLEUM FUEL REGION ARE QUANTITATED AS #2 FUEL OIL.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: FORMER KEITH JUNIOR HIGH, NEW BEDFORD
Date Received: 1/21/2009

LIMS-BAT #: LIMT-22731
Job Number: 115058

The following notes were attached to the reported analysis :

Sample ID: * 09B01511
Analysis: Benzo(b)fluoranthene

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

Sample ID: * 09B01511
Analysis: Benzo(g,h,i)perylene

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

Sample ID: * 09B01511
Analysis: Dibenz(a,h)anthracene

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

Sample ID: * 09B01511
Analysis: Fluoranthene

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

Sample ID: * 09B01511
Analysis: Indeno(1,2,3-cd)pyrene

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

Sample ID: * 09B01515
Analysis: pah - sludge

ELEVATED DETECTION LIMIT DUE TO SAMPLE MATRIX.

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GC/FID-22959

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01507					
	Terphenyl	Surrogate Recovery	N.M.	%	50-150
09B01509					
	Terphenyl	Surrogate Recovery	N.M.	%	50-150
09B01513					
	Terphenyl	Surrogate Recovery	N.M.	%	50-150
BLANK-128716					
	Unknown Hydrocarbons	Blank	<8.4	mg/kg dry wt	
LFBLANK-90778					
	Unknown Hydrocarbons	Lab Fort Blank Amt.	33.3	mg/kg dry wt	
		Lab Fort Blk. Found	29.5	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.7	%	
		Dup Lab Fort Bl Amt.	33.3	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	30.2	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.6	%	
		Lab Fort Blank Range	1.8	units	
		Lab Fort Bl. Av. Rec	89.6	%	
		LFB Duplicate RPD	2.1	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01505					
	Nitrobenzene-d5	Surrogate Recovery	34.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	38.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	42.4	%	30-130
09B01506					
	Nitrobenzene-d5	Surrogate Recovery	37.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	31.1	%	30-130
	Terphenyl-d14	Surrogate Recovery	28.5	%	30-130
09B01507					
	Phenol-d6	Surrogate Recovery	56.4	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	48.6	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	32.3	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	59.5	%	30-130
	Terphenyl-d14	Surrogate Recovery	46.0	%	30-130
	2-Fluorophenol	Surrogate Recovery	58.1	%	30-130
09B01508					
	Nitrobenzene-d5	Surrogate Recovery	60.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	54.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	45.0	%	30-130
09B01509					
	Phenol-d6	Surrogate Recovery	62.0	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	60.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	44.0	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	64.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	58.0	%	30-130
	2-Fluorophenol	Surrogate Recovery	68.0	%	30-130
09B01510					
	Nitrobenzene-d5	Surrogate Recovery	48.3	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	46.5	%	30-130
	Terphenyl-d14	Surrogate Recovery	39.9	%	30-130
09B01511					
	Naphthalene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.917	mg/kg dry wt	
		Matrix Spike % Rec.	50.000	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.817	mg/kg dry wt	
		MSD % Recovery	44.520	%	
		MSD Range	5.480	units	
		MS Duplicate RPD	11.595	%	0-30
	Acenaphthene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.930	mg/kg dry wt	
		Matrix Spike % Rec.	50.680	%	40-140

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01511					
	Acenaphthene	MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.841	mg/kg dry wt	
		MSD % Recovery	45.820	%	
		MSD Range	4.859	units	
		MS Duplicate RPD	10.072	%	0-30
	Acenaphthylene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.934	mg/kg dry wt	
		Matrix Spike % Rec.	50.920	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.840	mg/kg dry wt	
		MSD % Recovery	45.800	%	
		MSD Range	5.119	units	
		MS Duplicate RPD	10.587	%	0-30
	Anthracene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.942	mg/kg dry wt	
		Matrix Spike % Rec.	51.360	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.847	mg/kg dry wt	
		MSD % Recovery	46.180	%	
		MSD Range	5.180	units	
		MS Duplicate RPD	10.621	%	0-30
	Benzo(a)anthracene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.958	mg/kg dry wt	
		Matrix Spike % Rec.	52.220	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.866	mg/kg dry wt	
		MSD % Recovery	47.220	%	
		MSD Range	4.999	units	
		MS Duplicate RPD	10.056	%	0-30
	Benzo(a)pyrene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.936	mg/kg dry wt	
		Matrix Spike % Rec.	51.000	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.848	mg/kg dry wt	
		MSD % Recovery	46.240	%	
		MSD Range	4.759	units	
		MS Duplicate RPD	9.790	%	0-30
	Benzo(b)fluoranthene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01511					
	Benzo(b)fluoranthene	MS Amt Measured	0.780	mg/kg dry wt	
		Matrix Spike % Rec.	42.540	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.679	mg/kg dry wt	
		MSD % Recovery	37.020	%	
		MSD Range	5.519	units	
		MS Duplicate RPD	13.876	%	0-30
	Benzo(g,h,i)perylene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.755	mg/kg dry wt	
		Matrix Spike % Rec.	41.180	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.624	mg/kg dry wt	
		MSD % Recovery	34.000	%	
		MSD Range	7.180	units	
		MS Duplicate RPD	19.100	%	0-30
	Chrysene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.988	mg/kg dry wt	
		Matrix Spike % Rec.	53.840	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.901	mg/kg dry wt	
		MSD % Recovery	49.120	%	
		MSD Range	4.719	units	
		MS Duplicate RPD	9.168	%	0-30
	Dibenz(a,h)anthracene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.850	mg/kg dry wt	
		Matrix Spike % Rec.	46.340	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.718	mg/kg dry wt	
		MSD % Recovery	39.160	%	
		MSD Range	7.179	units	
		MS Duplicate RPD	16.795	%	0-30
	Fluoranthene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.746	mg/kg dry wt	
		Matrix Spike % Rec.	40.680	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.650	mg/kg dry wt	
		MSD % Recovery	35.420	%	
		MSD Range	5.259	units	
		MS Duplicate RPD	13.823	%	0-30

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01511					
	Fluorene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.986	mg/kg dry wt	
		Matrix Spike % Rec.	53.740	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.909	mg/kg dry wt	
		MSD % Recovery	49.540	%	
		MSD Range	4.200	units	
		MS Duplicate RPD	8.133	%	0-30
	Indeno(1,2,3-cd)pyrene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.833	mg/kg dry wt	
		Matrix Spike % Rec.	45.420	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.709	mg/kg dry wt	
		MSD % Recovery	38.660	%	
		MSD Range	6.760	units	
		MS Duplicate RPD	16.079	%	0-30
	2-Methylnaphthalene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.973	mg/kg dry wt	
		Matrix Spike % Rec.	53.060	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.914	mg/kg dry wt	
		MSD % Recovery	49.800	%	
		MSD Range	3.260	units	
		MS Duplicate RPD	6.338	%	0-30
	Phenanthrene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.932	mg/kg dry wt	
		Matrix Spike % Rec.	50.800	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.842	mg/kg dry wt	
		MSD % Recovery	45.880	%	
		MSD Range	4.919	units	
		MS Duplicate RPD	10.177	%	0-30
	Pyrene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.996	mg/kg dry wt	
		Matrix Spike % Rec.	54.300	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.947	mg/kg dry wt	
		MSD % Recovery	51.640	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01511					
	Pyrene	MSD Range	2.659	units	
		MS Duplicate RPD	5.021	%	0-30
	Benzo(k)fluoranthene	Sample Amount	<0.184	mg/kg dry wt	
		Matrix Spk Amt Added	1.835	mg/kg dry wt	
		MS Amt Measured	0.859	mg/kg dry wt	
		Matrix Spike % Rec.	46.820	%	40-140
		MSD Amount Added	1.835	mg/kg dry wt	
		MSD Amt Measured	0.757	mg/kg dry wt	
		MSD % Recovery	41.260	%	
		MSD Range	5.559	units	
		MS Duplicate RPD	12.624	%	0-30
	Nitrobenzene-d5	Surrogate Recovery	55.8	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	51.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	64.3	%	30-130
09B01512					
	Nitrobenzene-d5	Surrogate Recovery	46.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	53.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	99.0	%	30-130
09B01513					
	Phenol-d6	Surrogate Recovery	55.5	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	50.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	40.0	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	58.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	46.0	%	30-130
	2-Fluorophenol	Surrogate Recovery	60.0	%	30-130
09B01514					
	Nitrobenzene-d5	Surrogate Recovery	60.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	73.5	%	30-130
	Terphenyl-d14	Surrogate Recovery	107.2	%	30-130
09B01515					
	Nitrobenzene-d5	Surrogate Recovery	40.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	37.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	31.0	%	30-130
BLANK-128729					
	1,4-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	Naphthalene	Blank	<0.167	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	1,3-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	Acenaphthene	Blank	<0.167	mg/kg dry wt	
	Acenaphthylene	Blank	<0.167	mg/kg dry wt	
	Aniline	Blank	<0.34	mg/kg dry wt	
	Anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.167	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128729					
	Benzo(a)pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.167	mg/kg dry wt	
	Bis(2-chloroethyl)ether	Blank	<0.34	mg/kg dry wt	
	Bis(2-chloroethoxy)methane	Blank	<0.34	mg/kg dry wt	
	Bis(2-chloroisopropyl)ether	Blank	<0.34	mg/kg dry wt	
	Bis(2-ethylhexyl)phthalate	Blank	<0.34	mg/kg dry wt	
	4-Bromophenyl phenyl ether	Blank	<0.34	mg/kg dry wt	
	Butylbenzylphthalate	Blank	<0.67	mg/kg dry wt	
	4-Chloroaniline	Blank	<0.67	mg/kg dry wt	
	2-Chloronaphthalene	Blank	<0.34	mg/kg dry wt	
	Chrysene	Blank	<0.167	mg/kg dry wt	
	Dibenz(a,h)anthracene	Blank	<0.167	mg/kg dry wt	
	Dibenzofuran	Blank	<0.34	mg/kg dry wt	
	3,3'-Dichlorobenzidine	Blank	<0.17	mg/kg dry wt	
	Diethylphthalate	Blank	<0.34	mg/kg dry wt	
	Dimethylphthalate	Blank	<0.67	mg/kg dry wt	
	Di-n-butylphthalate	Blank	<0.34	mg/kg dry wt	
	2,4-Dinitrotoluene	Blank	<0.34	mg/kg dry wt	
	2,6-Dinitrotoluene	Blank	<0.34	mg/kg dry wt	
	1,2-Diphenylhydrazine (as Azobenzene)	Blank	<0.34	mg/kg dry wt	
	Di-n-octylphthalate	Blank	<0.67	mg/kg dry wt	
	Fluoranthene	Blank	<0.167	mg/kg dry wt	
	Fluorene	Blank	<0.167	mg/kg dry wt	
	Hexachlorobenzene	Blank	<0.34	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.34	mg/kg dry wt	
	Hexachloroethane	Blank	<0.34	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.167	mg/kg dry wt	
	Isophorone	Blank	<0.34	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.167	mg/kg dry wt	
	Nitrobenzene	Blank	<0.34	mg/kg dry wt	
	Phenanthrene	Blank	<0.167	mg/kg dry wt	
	Pyrene	Blank	<0.167	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.34	mg/kg dry wt	
	2-Chlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dichlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dimethylphenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dinitrophenol	Blank	<0.67	mg/kg dry wt	
	o-cresol	Blank	<0.34	mg/kg dry wt	
	m & p-cresol(s)	Blank	<0.34	mg/kg dry wt	
	2-Nitrophenol	Blank	<0.34	mg/kg dry wt	
	4-Nitrophenol	Blank	<0.67	mg/kg dry wt	
	Phenol	Blank	<0.34	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128729					
	2,4,5-Trichlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4,6-Trichlorophenol	Blank	<0.34	mg/kg dry wt	
	Pentachlorophenol	Blank	<0.34	mg/kg dry wt	
	Benzo(k)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Acetophenone	Blank	<0.34	mg/kg dry wt	
LFBLANK-90792					
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.05	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.29	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.13	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	68.02	%	
		Lab Fort Blank Range	4.72	units	
		Lab Fort Bl. Av. Rec	65.66	%	
		LFB Duplicate RPD	7.18	%	0-30
	Naphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.915	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.939	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.993	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	59.619	%	
		Lab Fort Blank Range	4.680	units	
		Lab Fort Bl. Av. Rec	57.279	%	
		LFB Duplicate RPD	8.170	%	0-30
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.05	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.13	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.11	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.89	%	
		Lab Fort Blank Range	3.76	units	
		Lab Fort Bl. Av. Rec	65.01	%	
		LFB Duplicate RPD	5.78	%	0-30
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.03	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.85	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.11	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.67	%	
		Lab Fort Blank Range	4.81	units	
		Lab Fort Bl. Av. Rec	64.26	%	
		LFB Duplicate RPD	7.49	%	0-30
	Acenaphthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90792					
	Acenaphthene	Lab Fort Blk. Found	0.943	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.579	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	61.079	%	
		Lab Fort Blank Range	4.499	units	
		Lab Fort Bl. Av. Rec	58.829	%	
		LFB Duplicate RPD	7.649	%	0-30
	Acenaphthylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.946	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.759	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.028	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	61.679	%	
		Lab Fort Blank Range	4.919	units	
		Lab Fort Bl. Av. Rec	59.219	%	
		LFB Duplicate RPD	8.308	%	0-30
	Aniline	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.77	mg/kg dry wt	
		Lab Fort Blk. % Rec.	46.64	%	10-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.66	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	40.04	%	
		Lab Fort Blank Range	6.59	units	
		Lab Fort Bl. Av. Rec	43.34	%	
		LFB Duplicate RPD	15.22	%	0-50
	Anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.980	mg/kg dry wt	
		Lab Fort Blk. % Rec.	58.819	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.048	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	62.920	%	
		Lab Fort Blank Range	4.100	units	
		Lab Fort Bl. Av. Rec	60.870	%	
		LFB Duplicate RPD	6.735	%	0-30
	Benzo(a)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.965	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.899	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.041	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	62.479	%	
		Lab Fort Blank Range	4.579	units	
		Lab Fort Bl. Av. Rec	60.189	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90792					
	Benzo(a)anthracene	LFB Duplicate RPD	7.609	%	0-30
	Benzo(a)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.937	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.259	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.008	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	60.479	%	
		Lab Fort Blank Range	4.220	units	
		Lab Fort Bl. Av. Rec	58.369	%	
		LFB Duplicate RPD	7.229	%	0-30
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.792	mg/kg dry wt	
		Lab Fort Blk. % Rec.	47.519	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.834	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	50.039	%	
		Lab Fort Blank Range	2.519	units	
		Lab Fort Bl. Av. Rec	48.779	%	
		LFB Duplicate RPD	5.166	%	0-30
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.279	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.036	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	62.200	%	
		Lab Fort Blank Range	0.920	units	
		Lab Fort Bl. Av. Rec	61.739	%	
		LFB Duplicate RPD	1.490	%	0-30
	Bis(2-chloroethyl)ether	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.17	mg/kg dry wt	
		Lab Fort Blk. % Rec.	70.19	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.24	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.41	%	
		Lab Fort Blank Range	4.21	units	
		Lab Fort Bl. Av. Rec	72.30	%	
		LFB Duplicate RPD	5.83	%	0-30
	Bis(2-chloroethoxy)methane	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.10	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.10	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.17	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	70.45	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90792					
	Bis(2-chloroethoxy)methane	Lab Fort Blank Range	4.35	units	
		Lab Fort Bl. Av. Rec	68.27	%	
		LFB Duplicate RPD	6.38	%	0-30
	Bis(2-chloroisopropyl)ether	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.13	mg/kg dry wt	
		Lab Fort Blk. % Rec.	68.03	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.19	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	71.63	%	
		Lab Fort Blank Range	3.60	units	
		Lab Fort Bl. Av. Rec	69.83	%	
		LFB Duplicate RPD	5.15	%	0-30
	Bis(2-ethylhexyl)phthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.43	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.27	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.57	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.48	%	
		Lab Fort Blank Range	8.20	units	
		Lab Fort Bl. Av. Rec	90.37	%	
		LFB Duplicate RPD	9.07	%	0-30
	4-Bromophenyl phenyl ether	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.98	mg/kg dry wt	
		Lab Fort Blk. % Rec.	58.93	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.99	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	59.39	%	
		Lab Fort Blank Range	0.46	units	
		Lab Fort Bl. Av. Rec	59.16	%	
		LFB Duplicate RPD	0.77	%	0-30
	Butylbenzylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.46	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.18	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.60	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.49	%	
		Lab Fort Blank Range	8.31	units	
		Lab Fort Bl. Av. Rec	92.33	%	
		LFB Duplicate RPD	9.01	%	0-30
	4-Chloroaniline	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.34	mg/kg dry wt	
		Lab Fort Blk. % Rec.	20.80	%	10-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90792					
	4-Chloroaniline	Dup Lab Fort Bl. Fnd	0.25	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	15.36	%	
		Lab Fort Blank Range	5.44	units	
		Lab Fort Bl. Av. Rec	18.07	%	
		LFB Duplicate RPD	30.08	%	0-30
	2-Chloronaphthalene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.95	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.29	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.00	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	60.35	%	
		Lab Fort Blank Range	3.05	units	
		Lab Fort Bl. Av. Rec	58.82	%	
		LFB Duplicate RPD	5.20	%	0-30
	Chrysene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.989	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.379	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.065	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.940	%	
		Lab Fort Blank Range	4.560	units	
		Lab Fort Bl. Av. Rec	61.660	%	
		LFB Duplicate RPD	7.395	%	0-30
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.061	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.659	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.101	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.100	%	
		Lab Fort Blank Range	2.440	units	
		Lab Fort Bl. Av. Rec	64.879	%	
		LFB Duplicate RPD	3.760	%	0-30
	Dibenzofuran	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.01	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.88	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.12	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.54	%	
		Lab Fort Blank Range	6.65	units	
		Lab Fort Bl. Av. Rec	64.21	%	
		LFB Duplicate RPD	10.37	%	0-30
	3,3'-Dichlorobenzidine	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.82	mg/kg dry wt	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90792					
	3,3'-Dichlorobenzidine	Lab Fort Blk. % Rec.	49.31	%	20-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.80	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	48.11	%	
		Lab Fort Blank Range	1.20	units	
		Lab Fort Bl. Av. Rec	48.71	%	
		LFB Duplicate RPD	2.46	%	0-50
	Diethylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.02	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.66	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.15	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.59	%	
		Lab Fort Blank Range	7.93	units	
		Lab Fort Bl. Av. Rec	65.63	%	
		LFB Duplicate RPD	12.09	%	0-30
	Dimethylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.04	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.87	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.12	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.69	%	
		Lab Fort Blank Range	4.81	units	
		Lab Fort Bl. Av. Rec	65.28	%	
		LFB Duplicate RPD	7.38	%	0-30
	Di-n-butylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.22	mg/kg dry wt	
		Lab Fort Blk. % Rec.	73.21	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.31	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	78.88	%	
		Lab Fort Blank Range	5.66	units	
		Lab Fort Bl. Av. Rec	76.04	%	
		LFB Duplicate RPD	7.44	%	0-30
	2,4-Dinitrotoluene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.01	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.71	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.25	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	75.11	%	
		Lab Fort Blank Range	14.40	units	
		Lab Fort Bl. Av. Rec	67.91	%	
		LFB Duplicate RPD	21.20	%	0-30

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90792					
	2,6-Dinitrotoluene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.01	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.71	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.25	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	75.11	%	
		Lab Fort Blank Range	14.40	units	
		Lab Fort Bl. Av. Rec	67.91	%	
		LFB Duplicate RPD	21.20	%	0-30
	1,2-Diphenylhydrazine (as Azobenzene)	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.99	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.77	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.97	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.25	%	
		Lab Fort Blank Range	1.51	units	
		Lab Fort Bl. Av. Rec	59.01	%	
		LFB Duplicate RPD	2.57	%	0-30
	Di-n-octylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.97	mg/kg dry wt	
		Lab Fort Blk. % Rec.	58.53	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.94	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	56.79	%	
		Lab Fort Blank Range	1.74	units	
		Lab Fort Bl. Av. Rec	57.66	%	
		LFB Duplicate RPD	3.01	%	0-30
	Fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.008	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.539	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.981	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.859	%	
		Lab Fort Blank Range	1.679	units	
		Lab Fort Bl. Av. Rec	59.699	%	
		LFB Duplicate RPD	2.814	%	0-30
	Fluorene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.906	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.359	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.058	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.479	%	
		Lab Fort Blank Range	9.119	units	

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QC SUMMARY REPORT

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Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90792					
	Fluorene	Lab Fort Bl. Av. Rec	58.919	%	
		LFB Duplicate RPD	15.478	%	0-30
	Hexachlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.99	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.81	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.05	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.46	%	
		Lab Fort Blank Range	3.64	units	
		Lab Fort Bl. Av. Rec	61.64	%	
		LFB Duplicate RPD	5.90	%	0-30
	Hexachlorobutadiene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.06	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.79	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.15	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.16	%	
		Lab Fort Blank Range	5.36	units	
		Lab Fort Bl. Av. Rec	66.47	%	
		LFB Duplicate RPD	8.06	%	0-30
	Hexachloroethane	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.05	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.16	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.13	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	68.11	%	
		Lab Fort Blank Range	4.95	units	
		Lab Fort Bl. Av. Rec	65.63	%	
		LFB Duplicate RPD	7.55	%	0-30
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.077	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.660	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.144	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	68.680	%	
		Lab Fort Blank Range	4.019	units	
		Lab Fort Bl. Av. Rec	66.670	%	
		LFB Duplicate RPD	6.029	%	0-30
	Isophorone	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.07	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.42	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.16	mg/kg dry wt	

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QC SUMMARY REPORT

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QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90792					
	Isophorone	Dup Lab Fort Bl %Rec	69.88	%	
		Lab Fort Blank Range	5.45	units	
		Lab Fort Bl. Av. Rec	67.15	%	
		LFB Duplicate RPD	8.13	%	0-30
	2-Methylnaphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.936	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.179	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.023	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	61.399	%	
		Lab Fort Blank Range	5.219	units	
		Lab Fort Bl. Av. Rec	58.789	%	
		LFB Duplicate RPD	8.879	%	0-30
	Nitrobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.02	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.54	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.09	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.50	%	
		Lab Fort Blank Range	3.95	units	
		Lab Fort Bl. Av. Rec	63.52	%	
		LFB Duplicate RPD	6.23	%	0-30
	Phenanthrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.954	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.259	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.025	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	61.499	%	
		Lab Fort Blank Range	4.239	units	
		Lab Fort Bl. Av. Rec	59.379	%	
		LFB Duplicate RPD	7.140	%	0-30
	Pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.136	mg/kg dry wt	
		Lab Fort Blk. % Rec.	68.179	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.316	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	78.959	%	
		Lab Fort Blank Range	10.780	units	
		Lab Fort Bl. Av. Rec	73.569	%	
		LFB Duplicate RPD	14.652	%	0-30
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.04	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.41	%	40-140

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90792					
	1,2,4-Trichlorobenzene	Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.11	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.03	%	
		Lab Fort Blank Range	4.61	units	
		Lab Fort Bl. Av. Rec	64.72	%	
		LFB Duplicate RPD	7.13	%	0-30
	2-Chlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.13	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.90	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.19	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	71.87	%	
		Lab Fort Blank Range	3.97	units	
		Lab Fort Bl. Av. Rec	69.89	%	
		LFB Duplicate RPD	5.69	%	0-30
	2,4-Dichlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.04	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.63	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.12	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.31	%	
		Lab Fort Blank Range	4.68	units	
		Lab Fort Bl. Av. Rec	64.97	%	
		LFB Duplicate RPD	7.20	%	0-30
	2,4-Dimethylphenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.05	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.49	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.14	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	68.50	%	
		Lab Fort Blank Range	5.00	units	
		Lab Fort Bl. Av. Rec	65.99	%	
		LFB Duplicate RPD	7.57	%	0-30
	2,4-Dinitrophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.06	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.91	%	10-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.34	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	80.75	%	
		Lab Fort Blank Range	16.84	units	
		Lab Fort Bl. Av. Rec	72.33	%	
		LFB Duplicate RPD	23.27	%	0-30
	o-cresol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90792					
	o-cresol	Lab Fort Blk. Found	1.13	mg/kg dry wt	
		Lab Fort Blk. % Rec.	68.17	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.13	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	68.21	%	
		Lab Fort Blank Range	0.04	units	
		Lab Fort Bl. Av. Rec	68.19	%	
		LFB Duplicate RPD	0.05	%	0-30
	m & p-cresol(s)	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.05	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.46	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.10	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.53	%	
		Lab Fort Blank Range	3.07	units	
		Lab Fort Bl. Av. Rec	65.00	%	
		LFB Duplicate RPD	4.73	%	0-30
	2-Nitrophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.03	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.05	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.10	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.49	%	
		Lab Fort Blank Range	4.44	units	
		Lab Fort Bl. Av. Rec	64.27	%	
		LFB Duplicate RPD	6.90	%	0-30
	4-Nitrophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.15	mg/kg dry wt	
		Lab Fort Blk. % Rec.	69.35	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.39	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	83.45	%	
		Lab Fort Blank Range	14.10	units	
		Lab Fort Bl. Av. Rec	76.40	%	
		LFB Duplicate RPD	18.45	%	0-50
	Phenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.19	mg/kg dry wt	
		Lab Fort Blk. % Rec.	71.59	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.22	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	73.60	%	
		Lab Fort Blank Range	2.00	units	
		Lab Fort Bl. Av. Rec	72.59	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90792					
	Phenol	LFB Duplicate RPD	2.75	%	0-30
	2,4,5-Trichlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.09	mg/kg dry wt	
		Lab Fort Blk. % Rec.	65.74	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.16	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.88	%	
		Lab Fort Blank Range	4.13	units	
		Lab Fort Bl. Av. Rec	67.81	%	
		LFB Duplicate RPD	6.10	%	0-30
	2,4,6-Trichlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.13	mg/kg dry wt	
		Lab Fort Blk. % Rec.	68.03	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.17	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	70.42	%	
		Lab Fort Blank Range	2.38	units	
		Lab Fort Bl. Av. Rec	69.23	%	
		LFB Duplicate RPD	3.43	%	0-30
	Pentachlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.11	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.82	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.14	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	68.87	%	
		Lab Fort Blank Range	2.05	units	
		Lab Fort Bl. Av. Rec	67.84	%	
		LFB Duplicate RPD	3.03	%	0-30
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.863	mg/kg dry wt	
		Lab Fort Blk. % Rec.	51.779	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.909	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	54.579	%	
		Lab Fort Blank Range	2.799	units	
		Lab Fort Bl. Av. Rec	53.179	%	
		LFB Duplicate RPD	5.265	%	0-30
	Acetophenone	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.03	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.81	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.09	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.53	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/SEMI-11856

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90792					
	Acetophenone	Lab Fort Blank Range	3.71	units	
		Lab Fort Bl. Av. Rec	63.67	%	
		LFB Duplicate RPD	5.84	%	0-30

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QC SUMMARY REPORT

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Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01507					
	1,2-Dichloroethane-d4	Surrogate Recovery	106.360	%	70-130
	Toluene-d8	Surrogate Recovery	95.000	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.600	%	70-130
09B01509					
	1,2-Dichloroethane-d4	Surrogate Recovery	109.480	%	70-130
	Toluene-d8	Surrogate Recovery	96.800	%	70-130
	Bromofluorobenzene	Surrogate Recovery	98.000	%	70-130
09B01513					
	1,2-Dichloroethane-d4	Surrogate Recovery	109.520	%	70-130
	Toluene-d8	Surrogate Recovery	95.320	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.680	%	70-130
BLANK-128712					
	Acetone	Blank	<0.10	mg/kg dry wt	
	Benzene	Blank	<0.002	mg/kg dry wt	
	Carbon Tetrachloride	Blank	<0.002	mg/kg dry wt	
	Chloroform	Blank	<0.004	mg/kg dry wt	
	1,2-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,4-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	Ethyl Benzene	Blank	<0.002	mg/kg dry wt	
	2-Butanone (MEK)	Blank	<0.040	mg/kg dry wt	
	MIBK	Blank	<0.020	mg/kg dry wt	
	Naphthalene	Blank	<0.004	mg/kg dry wt	
	Styrene	Blank	<0.002	mg/kg dry wt	
	Tetrachloroethylene	Blank	<0.002	mg/kg dry wt	
	Toluene	Blank	<0.002	mg/kg dry wt	
	1,1,1-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Trichloroethylene	Blank	<0.002	mg/kg dry wt	
	Trichlorofluoromethane	Blank	<0.010	mg/kg dry wt	
	o-Xylene	Blank	<0.002	mg/kg dry wt	
	m + p Xylene	Blank	<0.004	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,3-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethylene	Blank	<0.004	mg/kg dry wt	
	1,4-Dioxane	Blank	<0.10	mg/kg dry wt	
	MTBE	Blank	<0.004	mg/kg dry wt	
	trans-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	Vinyl Chloride	Blank	<0.010	mg/kg dry wt	
	Methylene Chloride	Blank	<0.020	mg/kg dry wt	
	Chlorobenzene	Blank	<0.002	mg/kg dry wt	
	Chloromethane	Blank	<0.010	mg/kg dry wt	
	Bromomethane	Blank	<0.010	mg/kg dry wt	
	Chloroethane	Blank	<0.020	mg/kg dry wt	

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QC SUMMARY REPORT

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Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128712					
	cis-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	trans-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	Chlorodibromomethane	Blank	<0.001	mg/kg dry wt	
	1,1,2-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Bromoform	Blank	<0.002	mg/kg dry wt	
	1,1,2,2-Tetrachloroethane	Blank	<0.001	mg/kg dry wt	
	2-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.002	mg/kg dry wt	
	Isopropylbenzene	Blank	<0.002	mg/kg dry wt	
	p-Isopropyltoluene	Blank	<0.002	mg/kg dry wt	
	n-Propylbenzene	Blank	<0.002	mg/kg dry wt	
	sec-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	tert-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,2,4-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	1,3,5-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	4-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Dibromomethane	Blank	<0.002	mg/kg dry wt	
	cis-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloropropene	Blank	<0.002	mg/kg dry wt	
	1,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,3-Dichloropropane	Blank	<0.001	mg/kg dry wt	
	2,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,1,1,2-Tetrachloroethane	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichloropropane	Blank	<0.002	mg/kg dry wt	
	n-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	Dichlorodifluoromethane	Blank	<0.020	mg/kg dry wt	
	Bromochloromethane	Blank	<0.002	mg/kg dry wt	
	Bromobenzene	Blank	<0.002	mg/kg dry wt	
	Carbon Disulfide	Blank	<0.006	mg/kg dry wt	
	2-Hexanone	Blank	<0.020	mg/kg dry wt	
	Diethyl Ether	Blank	<0.020	mg/kg dry wt	
	Bromodichloromethane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromo-3-Chloropropane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromoethane	Blank	<0.001	mg/kg dry wt	
	Tetrahydrofuran	Blank	<0.010	mg/kg dry wt	
	Diisopropyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Butylethyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Amylmethyl Ether	Blank	<0.001	mg/kg dry wt	
LFBLANK-90773					
	Acetone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.157	mg/kg dry wt	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	Acetone	Lab Fort Blk. % Rec.	78.710	%	50-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.195	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.830	%	70-160
		Lab Fort Blank Range	19.120	units	
		Lab Fort Bl. Av. Rec	88.270	%	
		LFB Duplicate RPD	21.660	%	0-25
	Benzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.000	%	70-130
		Lab Fort Blank Range	0.200	units	
		Lab Fort Bl. Av. Rec	93.100	%	
		LFB Duplicate RPD	0.214	%	0-25
	Carbon Tetrachloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.100	%	70-130
		Lab Fort Blank Range	1.800	units	
		Lab Fort Bl. Av. Rec	98.000	%	
		LFB Duplicate RPD	1.836	%	0-25
	Chloroform	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.500	%	70-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	92.300	%	
		LFB Duplicate RPD	0.433	%	0-25
	1,2-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.900	%	70-130
		Lab Fort Blank Range	0.800	units	
		Lab Fort Bl. Av. Rec	104.500	%	
		LFB Duplicate RPD	0.765	%	0-25

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QC SUMMARY REPORT

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Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.800	%	70-130
		Lab Fort Blank Range	2.100	units	
		Lab Fort Bl. Av. Rec	98.850	%	
		LFB Duplicate RPD	2.124	%	0-25
	Ethyl Benzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.200	%	70-130
		Lab Fort Blank Range	0.200	units	
		Lab Fort Bl. Av. Rec	105.100	%	
		LFB Duplicate RPD	0.190	%	0-25
	2-Butanone (MEK)	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.160	mg/kg dry wt	
		Lab Fort Blk. % Rec.	80.470	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.195	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.850	%	70-160
		Lab Fort Blank Range	17.380	units	
		Lab Fort Bl. Av. Rec	89.160	%	
		LFB Duplicate RPD	19.493	%	0-25
	MIBK	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.178	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.050	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.197	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.900	%	70-160
		Lab Fort Blank Range	9.850	units	
		Lab Fort Bl. Av. Rec	93.975	%	
		LFB Duplicate RPD	10.481	%	0-25
	Naphthalene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.000	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.900	%	40-130
		Lab Fort Blank Range	6.900	units	

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QC SUMMARY REPORT

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Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	Naphthalene	Lab Fort Bl. Av. Rec	100.450	%	
		LFB Duplicate RPD	6.869	%	0-25
	Styrene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.000	%	70-130
		Lab Fort Blank Range	0.200	units	
		Lab Fort Bl. Av. Rec	104.900	%	
		LFB Duplicate RPD	0.190	%	0-25
	Tetrachloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.400	%	70-130
		Lab Fort Blank Range	2.400	units	
		Lab Fort Bl. Av. Rec	103.600	%	
		LFB Duplicate RPD	2.316	%	0-25
	Toluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.600	%	70-130
		Lab Fort Blank Range	0.900	units	
		Lab Fort Bl. Av. Rec	96.050	%	
		LFB Duplicate RPD	0.937	%	0-25
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.200	%	70-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	99.000	%	
		LFB Duplicate RPD	0.404	%	0-25
	Trichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	Trichloroethylene	Dup Lab Fort Bl %Rec	98.100	%	70-130
		Lab Fort Blank Range	0.300	units	
		Lab Fort Bl. Av. Rec	98.250	%	
		LFB Duplicate RPD	0.305	%	0-25
	Trichlorofluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.500	%	70-130
		Lab Fort Blank Range	1.200	units	
		Lab Fort Bl. Av. Rec	108.100	%	
		LFB Duplicate RPD	1.110	%	0-25
	o-Xylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.200	%	70-130
		Lab Fort Blank Range	0.300	units	
		Lab Fort Bl. Av. Rec	101.050	%	
		LFB Duplicate RPD	0.296	%	0-25
	m + p Xylene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.041	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.050	%	70-130
		Dup Lab Fort Bl Amt.	0.040	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.040	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.750	%	70-130
		Lab Fort Blank Range	1.299	units	
		Lab Fort Bl. Av. Rec	102.400	%	
		LFB Duplicate RPD	1.269	%	0-25
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.400	%	70-130
		Lab Fort Blank Range	0.299	units	
		Lab Fort Bl. Av. Rec	102.550	%	
		LFB Duplicate RPD	0.292	%	0-25
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.100	%	70-130

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	1,3-Dichlorobenzene	Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.700	%	70-130
		Lab Fort Blank Range	2.400	units	
		Lab Fort Bl. Av. Rec	102.900	%	
		LFB Duplicate RPD	2.332	%	0-25
	1,1-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.300	%	70-130
		Lab Fort Blank Range	0.799	units	
		Lab Fort Bl. Av. Rec	90.700	%	
		LFB Duplicate RPD	0.882	%	0-25
	1,1-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.800	%	70-130
		Lab Fort Blank Range	0.000	units	
		Lab Fort Bl. Av. Rec	91.800	%	
		LFB Duplicate RPD	0.000	%	0-25
	1,4-Dioxane	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.161	mg/kg dry wt	
		Lab Fort Blk. % Rec.	80.930	%	40-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.196	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.110	%	40-160
		Lab Fort Blank Range	17.180	units	
		Lab Fort Bl. Av. Rec	89.520	%	
		LFB Duplicate RPD	19.191	%	0-50
	MTBE	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.000	%	70-130
		Lab Fort Blank Range	4.299	units	
		Lab Fort Bl. Av. Rec	97.850	%	
		LFB Duplicate RPD	4.394	%	0-25
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	trans-1,2-Dichloroethylene	Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.000	%	70-130
		Lab Fort Blank Range	0.600	units	
		Lab Fort Bl. Av. Rec	93.700	%	
		LFB Duplicate RPD	0.640	%	0-25
	Vinyl Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.600	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	83.100	%	40-130
		Lab Fort Blank Range	2.500	units	
		Lab Fort Bl. Av. Rec	84.350	%	
		LFB Duplicate RPD	2.963	%	0-25
	Methylene Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.200	%	40-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.500	%	40-160
		Lab Fort Blank Range	1.300	units	
		Lab Fort Bl. Av. Rec	94.850	%	
		LFB Duplicate RPD	1.370	%	0-25
	Chlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.300	%	70-130
		Lab Fort Blank Range	1.600	units	
		Lab Fort Bl. Av. Rec	102.100	%	
		LFB Duplicate RPD	1.567	%	0-25
	Chloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.015	mg/kg dry wt	
		Lab Fort Blk. % Rec.	79.400	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.015	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	77.000	%	40-130
		Lab Fort Blank Range	2.399	units	
		Lab Fort Bl. Av. Rec	78.200	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	Chloromethane	LFB Duplicate RPD	3.069	%	0-25
	Bromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	82.100	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	83.900	%	40-130
		Lab Fort Blank Range	1.800	units	
		Lab Fort Bl. Av. Rec	83.000	%	
		LFB Duplicate RPD	2.168	%	0-25
	Chloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	83.800	%	70-130
		Lab Fort Blank Range	5.000	units	
		Lab Fort Bl. Av. Rec	86.300	%	
		LFB Duplicate RPD	5.793	%	0-25
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.600	%	70-130
		Lab Fort Blank Range	0.800	units	
		Lab Fort Bl. Av. Rec	91.000	%	
		LFB Duplicate RPD	0.879	%	0-25
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.300	%	70-130
		Lab Fort Blank Range	2.000	units	
		Lab Fort Bl. Av. Rec	96.300	%	
		LFB Duplicate RPD	2.076	%	0-25
	Chlorodibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.200	%	70-130

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	Chlorodibromomethane	Lab Fort Blank Range	1.200	units	
		Lab Fort Bl. Av. Rec	103.800	%	
		LFB Duplicate RPD	1.156	%	0-25
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.500	%	70-130
		Lab Fort Blank Range	0.600	units	
		Lab Fort Bl. Av. Rec	91.200	%	
		LFB Duplicate RPD	0.657	%	0-25
	Bromoform	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.023	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	118.400	%	70-130
		Lab Fort Blank Range	4.699	units	
		Lab Fort Bl. Av. Rec	116.050	%	
		LFB Duplicate RPD	4.049	%	0-25
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.200	%	70-130
		Lab Fort Blank Range	7.900	units	
		Lab Fort Bl. Av. Rec	100.250	%	
		LFB Duplicate RPD	7.880	%	0-25
	2-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.600	%	70-130
		Lab Fort Blank Range	0.300	units	
		Lab Fort Bl. Av. Rec	104.750	%	
		LFB Duplicate RPD	0.286	%	0-25
	Hexachlorobutadiene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	

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QC SUMMARY REPORT

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Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	Hexachlorobutadiene	Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.900	%	70-130
		Lab Fort Blank Range	2.899	units	
		Lab Fort Bl. Av. Rec	107.350	%	
		LFB Duplicate RPD	2.701	%	0-25
	Isopropylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	118.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.023	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	118.700	%	70-130
		Lab Fort Blank Range	0.099	units	
		Lab Fort Bl. Av. Rec	118.750	%	
		LFB Duplicate RPD	0.084	%	0-25
	p-Isopropyltoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.400	%	70-130
		Lab Fort Blank Range	2.899	units	
		Lab Fort Bl. Av. Rec	109.850	%	
		LFB Duplicate RPD	2.639	%	0-25
	n-Propylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.700	%	70-130
		Lab Fort Blank Range	0.100	units	
		Lab Fort Bl. Av. Rec	106.750	%	
		LFB Duplicate RPD	0.093	%	0-25
	sec-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.700	%	70-130
		Lab Fort Blank Range	2.300	units	
		Lab Fort Bl. Av. Rec	106.850	%	
		LFB Duplicate RPD	2.152	%	0-25
	tert-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	

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QC SUMMARY REPORT

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QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	tert-Butylbenzene	Lab Fort Blk. % Rec.	106.900	%	70-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.600	%	70-160
		Lab Fort Blank Range	1.300	units	
		Lab Fort Bl. Av. Rec	106.250	%	
		LFB Duplicate RPD	1.223	%	0-25
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.500	%	70-130
		Lab Fort Blank Range	2.400	units	
		Lab Fort Bl. Av. Rec	100.700	%	
		LFB Duplicate RPD	2.383	%	0-25
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.000	%	70-130
		Lab Fort Blank Range	2.200	units	
		Lab Fort Bl. Av. Rec	99.100	%	
		LFB Duplicate RPD	2.219	%	0-25
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.400	%	70-130
		Lab Fort Blank Range	1.899	units	
		Lab Fort Bl. Av. Rec	106.350	%	
		LFB Duplicate RPD	1.786	%	0-25
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	112.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.500	%	70-130
		Lab Fort Blank Range	1.299	units	
		Lab Fort Bl. Av. Rec	112.150	%	
		LFB Duplicate RPD	1.159	%	0-25

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QC SUMMARY REPORT

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QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	4-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.400	%	70-130
		Lab Fort Blank Range	1.799	units	
		Lab Fort Bl. Av. Rec	107.300	%	
		LFB Duplicate RPD	1.677	%	0-25
	Dibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.700	%	70-130
		Lab Fort Blank Range	1.600	units	
		Lab Fort Bl. Av. Rec	96.900	%	
		LFB Duplicate RPD	1.651	%	0-25
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.500	%	70-130
		Lab Fort Blank Range	0.999	units	
		Lab Fort Bl. Av. Rec	94.000	%	
		LFB Duplicate RPD	1.063	%	0-25
	1,1-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.400	%	70-130
		Lab Fort Blank Range	1.600	units	
		Lab Fort Bl. Av. Rec	99.600	%	
		LFB Duplicate RPD	1.606	%	0-25
	1,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.900	%	70-130
		Lab Fort Blank Range	0.000	units	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	1,2-Dichloropropane	Lab Fort Bl. Av. Rec	86.900	%	
		LFB Duplicate RPD	0.000	%	0-25
	1,3-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.500	%	70-130
		Lab Fort Blank Range	0.900	units	
		Lab Fort Bl. Av. Rec	95.050	%	
		LFB Duplicate RPD	0.946	%	0-25
	2,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	83.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	82.900	%	70-130
		Lab Fort Blank Range	0.199	units	
		Lab Fort Bl. Av. Rec	83.000	%	
		LFB Duplicate RPD	0.240	%	0-25
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.400	%	70-130
		Lab Fort Blank Range	4.000	units	
		Lab Fort Bl. Av. Rec	99.400	%	
		LFB Duplicate RPD	4.024	%	0-25
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.015	mg/kg dry wt	
		Lab Fort Blk. % Rec.	75.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.015	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	78.400	%	70-130
		Lab Fort Blank Range	3.299	units	
		Lab Fort Bl. Av. Rec	76.750	%	
		LFB Duplicate RPD	4.299	%	0-25
	n-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	n-Butylbenzene	Dup Lab Fort Bl %Rec	105.900	%	70-130
		Lab Fort Blank Range	3.399	units	
		Lab Fort Bl. Av. Rec	107.600	%	
		LFB Duplicate RPD	3.159	%	0-25
	Dichlorodifluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.300	%	40-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.100	%	40-160
		Lab Fort Blank Range	0.200	units	
		Lab Fort Bl. Av. Rec	92.200	%	
		LFB Duplicate RPD	0.216	%	0-25
	Bromochloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.700	%	70-130
		Lab Fort Blank Range	2.899	units	
		Lab Fort Bl. Av. Rec	104.250	%	
		LFB Duplicate RPD	2.781	%	0-25
	Bromobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.700	%	70-130
		Lab Fort Blank Range	1.199	units	
		Lab Fort Bl. Av. Rec	105.300	%	
		LFB Duplicate RPD	1.139	%	0-25
	Carbon Disulfide	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.700	%	70-130
		Lab Fort Blank Range	0.600	units	
		Lab Fort Bl. Av. Rec	98.000	%	
		LFB Duplicate RPD	0.612	%	0-25
	2-Hexanone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.169	mg/kg dry wt	
		Lab Fort Blk. % Rec.	84.680	%	70-160

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	2-Hexanone	Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.197	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.630	%	70-160
		Lab Fort Blank Range	13.950	units	
		Lab Fort Bl. Av. Rec	91.655	%	
		LFB Duplicate RPD	15.220	%	0-25
	Diethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.500	%	70-130
		Lab Fort Blank Range	1.700	units	
		Lab Fort Bl. Av. Rec	89.650	%	
		LFB Duplicate RPD	1.896	%	0-25
	Bromodichloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.200	%	70-130
		Lab Fort Blank Range	1.800	units	
		Lab Fort Bl. Av. Rec	96.100	%	
		LFB Duplicate RPD	1.873	%	0-25
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.500	%	70-130
		Lab Fort Blank Range	4.000	units	
		Lab Fort Bl. Av. Rec	92.500	%	
		LFB Duplicate RPD	4.324	%	0-25
	1,2-Dibromoethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.700	%	70-130
		Lab Fort Blank Range	2.299	units	
		Lab Fort Bl. Av. Rec	100.550	%	
		LFB Duplicate RPD	2.287	%	0-25
	Tetrahydrofuran	Lab Fort Blank Amt.	0.020	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: GCMS/VOL-21357

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90773					
	Tetrahydrofuran	Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.700	%	70-130
		Lab Fort Blank Range	11.900	units	
		Lab Fort Bl. Av. Rec	96.750	%	
		LFB Duplicate RPD	12.299	%	0-25
	Diisopropyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	88.300	%	70-130
		Lab Fort Blank Range	0.199	units	
		Lab Fort Bl. Av. Rec	88.400	%	
		LFB Duplicate RPD	0.226	%	0-25
	tert-Butylethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.300	%	70-130
		Lab Fort Blank Range	1.099	units	
		Lab Fort Bl. Av. Rec	89.750	%	
		LFB Duplicate RPD	1.225	%	0-25
	tert-Amylmethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.200	%	70-130
		Lab Fort Blank Range	1.899	units	
		Lab Fort Bl. Av. Rec	89.250	%	
		LFB Duplicate RPD	2.128	%	0-25

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: HG-9797

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01511					
	Mercury	Sample Amount	<0.017	mg/kg dry wt	
		Matrix Spk Amt Added	0.173	mg/kg dry wt	
		MS Amt Measured	0.227	mg/kg dry wt	
		Matrix Spike % Rec.	130.600	%	75-125
		MSD Amount Added	0.161	mg/kg dry wt	
		MSD Amt Measured	0.191	mg/kg dry wt	
		MSD % Recovery	118.500	%	75-125
		MSD Range	12.100	units	
		MS Duplicate RPD	17.105	%	0-35
BLANK-128730					
	Mercury	Blank	<0.025	mg/kg dry wt	
LFBLANK-90794					
	Mercury	Lab Fort Blank Amt.	1.250	mg/kg dry wt	
		Lab Fort Blk. Found	1.283	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.702	%	65.9-133
		Dup Lab Fort Bl Amt.	1.250	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.942	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	75.368	%	65.9-133
		Lab Fort Blank Range	27.333	units	
		Lab Fort Bl. Av. Rec	89.035	%	
		LFB Duplicate RPD	30.699	%	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: HG/TCLP-3428

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01516					
	Mercury	Sample Amount	<0.00010	mg/l leachate	
		Matrix Spk Amt Added	0.00200	mg/l leachate	
		MS Amt Measured	0.00207	mg/l leachate	
		Matrix Spike % Rec.	103.75000	%	75-125
BLANK-128741					
	Mercury	Blank	<0.00010	mg/l leachate	
LFBLANK-90801					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l leachate	
		Lab Fort Blk. Found	0.00216	mg/l leachate	
		Lab Fort Blk. % Rec.	108.30000	%	80-120

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: ICP-21004

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01511					
	Silver	Sample Amount	<0.56	mg/kg dry wt	
		Matrix Spk Amt Added	27.53	mg/kg dry wt	
		MS Amt Measured	26.71	mg/kg dry wt	
		Matrix Spike % Rec.	97.02	%	75-125
		MSD Amount Added	27.53	mg/kg dry wt	
		MSD Amt Measured	26.52	mg/kg dry wt	
		MSD % Recovery	96.34	%	75-125
		MSD Range	0.67	units	
		MS Duplicate RPD	0.70	%	0-35
	Arsenic	Sample Amount	<2.76	mg/kg dry wt	
		Matrix Spk Amt Added	27.53	mg/kg dry wt	
		MS Amt Measured	30.79	mg/kg dry wt	
		Matrix Spike % Rec.	111.86	%	75-125
		MSD Amount Added	27.53	mg/kg dry wt	
		MSD Amt Measured	30.87	mg/kg dry wt	
		MSD % Recovery	112.12	%	75-125
		MSD Range	0.26	units	
		MS Duplicate RPD	0.23	%	0-35
	Barium	Sample Amount	29.91	mg/kg dry wt	
		Duplicate Value	26.75	mg/kg dry wt	
		Duplicate RPD	11.13	%	0-35
		Sample Amount	29.91	mg/kg dry wt	
		Matrix Spk Amt Added	27.53	mg/kg dry wt	
		MS Amt Measured	54.53	mg/kg dry wt	
		Matrix Spike % Rec.	89.42	%	75-125
		MSD Amount Added	27.53	mg/kg dry wt	
		MSD Amt Measured	55.09	mg/kg dry wt	
		MSD % Recovery	91.48	%	75-125
		MSD Range	2.06	units	
		MS Duplicate RPD	1.03	%	0-35
	Beryllium	Sample Amount	<0.28	mg/kg dry wt	
		Matrix Spk Amt Added	27.53	mg/kg dry wt	
		MS Amt Measured	28.61	mg/kg dry wt	
		Matrix Spike % Rec.	103.94	%	75-125
		MSD Amount Added	27.53	mg/kg dry wt	
		MSD Amt Measured	28.20	mg/kg dry wt	
		MSD % Recovery	102.44	%	75-125
		MSD Range	1.49	units	
		MS Duplicate RPD	1.45	%	0-35
	Cadmium	Sample Amount	<0.28	mg/kg dry wt	
		Matrix Spk Amt Added	27.53	mg/kg dry wt	
		MS Amt Measured	28.55	mg/kg dry wt	
		Matrix Spike % Rec.	103.72	%	75-125

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QC SUMMARY REPORT

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Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: ICP-21004

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01511					
	Cadmium	MSD Amount Added	27.53	mg/kg dry wt	
		MSD Amt Measured	28.27	mg/kg dry wt	
		MSD % Recovery	102.70	%	75-125
		MSD Range	1.02	units	
		MS Duplicate RPD	0.98	%	0-35
	Chromium	Sample Amount	21.01	mg/kg dry wt	
		Duplicate Value	20.02	mg/kg dry wt	
		Duplicate RPD	4.83	%	0-35
		Sample Amount	21.01	mg/kg dry wt	
		Matrix Spk Amt Added	27.53	mg/kg dry wt	
		MS Amt Measured	49.17	mg/kg dry wt	
		Matrix Spike % Rec.	102.27	%	75-125
		MSD Amount Added	27.53	mg/kg dry wt	
		MSD Amt Measured	49.33	mg/kg dry wt	
		MSD % Recovery	102.85	%	75-125
		MSD Range	0.57	units	
		MS Duplicate RPD	0.32	%	0-35
	Nickel	Sample Amount	9.76	mg/kg dry wt	
		Duplicate Value	9.01	mg/kg dry wt	
		Duplicate RPD	7.94	%	0-35
		Sample Amount	9.76	mg/kg dry wt	
		Matrix Spk Amt Added	27.53	mg/kg dry wt	
		MS Amt Measured	36.53	mg/kg dry wt	
		Matrix Spike % Rec.	97.20	%	75-125
		MSD Amount Added	27.53	mg/kg dry wt	
		MSD Amt Measured	35.84	mg/kg dry wt	
		MSD % Recovery	94.70	%	75-125
		MSD Range	2.49	units	
		MS Duplicate RPD	1.90	%	0-35
	Lead	Sample Amount	4.15	mg/kg dry wt	
		Duplicate Value	4.21	mg/kg dry wt	
		Duplicate RPD	1.32	%	0-35
		Sample Amount	4.15	mg/kg dry wt	
		Matrix Spk Amt Added	27.53	mg/kg dry wt	
		MS Amt Measured	30.74	mg/kg dry wt	
		Matrix Spike % Rec.	96.56	%	75-125
		MSD Amount Added	27.53	mg/kg dry wt	
		MSD Amt Measured	30.29	mg/kg dry wt	
		MSD % Recovery	94.92	%	75-125
		MSD Range	1.64	units	
		MS Duplicate RPD	1.47	%	0-35
	Antimony	Sample Amount	<4.41	mg/kg dry wt	
		Matrix Spk Amt Added	27.53	mg/kg dry wt	

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Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: ICP-21004

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01511					
	Antimony	MS Amt Measured	16.39	mg/kg dry wt	
		Matrix Spike % Rec.	59.54	%	75-125
		MSD Amount Added	27.53	mg/kg dry wt	
		MSD Amt Measured	16.08	mg/kg dry wt	
		MSD % Recovery	58.41	%	75-125
		MSD Range	1.12	units	
		MS Duplicate RPD	1.89	%	0-35
	Selenium	Sample Amount	<5.51	mg/kg dry wt	
		Matrix Spk Amt Added	27.53	mg/kg dry wt	
		MS Amt Measured	26.61	mg/kg dry wt	
		Matrix Spike % Rec.	96.67	%	75-125
		MSD Amount Added	27.53	mg/kg dry wt	
		MSD Amt Measured	26.32	mg/kg dry wt	
		MSD % Recovery	95.61	%	75-125
		MSD Range	1.05	units	
		MS Duplicate RPD	1.10	%	0-35
	Thallium	Sample Amount	<3.31	mg/kg dry wt	
		Matrix Spk Amt Added	27.53	mg/kg dry wt	
		MS Amt Measured	29.45	mg/kg dry wt	
		Matrix Spike % Rec.	106.98	%	75-125
		MSD Amount Added	27.53	mg/kg dry wt	
		MSD Amt Measured	29.01	mg/kg dry wt	
		MSD % Recovery	105.38	%	75-125
		MSD Range	1.60	units	
		MS Duplicate RPD	1.50	%	0-35
	Vanadium	Sample Amount	13.04	mg/kg dry wt	
		Duplicate Value	11.62	mg/kg dry wt	
		Duplicate RPD	11.55	%	0-35
		Sample Amount	13.04	mg/kg dry wt	
		Matrix Spk Amt Added	27.53	mg/kg dry wt	
		MS Amt Measured	40.70	mg/kg dry wt	
		Matrix Spike % Rec.	100.44	%	75-125
		MSD Amount Added	27.53	mg/kg dry wt	
		MSD Amt Measured	40.22	mg/kg dry wt	
		MSD % Recovery	98.70	%	75-125
		MSD Range	1.74	units	
		MS Duplicate RPD	1.18	%	0-35
	Zinc	Sample Amount	56.32	mg/kg dry wt	
		Duplicate Value	51.22	mg/kg dry wt	
		Duplicate RPD	9.47	%	0-35
		Sample Amount	56.32	mg/kg dry wt	
		Matrix Spk Amt Added	27.53	mg/kg dry wt	
		MS Amt Measured	81.09	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: ICP-21004

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01511					
	Zinc	Matrix Spike % Rec.	89.95	%	75-125
		MSD Amount Added	27.53	mg/kg dry wt	
		MSD Amt Measured	79.96	mg/kg dry wt	
		MSD % Recovery	85.87	%	75-125
		MSD Range	4.08	units	
		MS Duplicate RPD	1.39	%	0-35
BLANK-128722					
	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Barium	Blank	<5.00	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Vanadium	Blank	<5.00	mg/kg dry wt	
	Zinc	Blank	2.36	mg/kg dry wt	
LFBLANK-90785					
	Silver	Lab Fort Blank Amt.	81.20	mg/kg dry wt	
		Lab Fort Blk. Found	85.62	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.44	%	66-133
		Dup Lab Fort Bl Amt.	81.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	80.40	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.01	%	66-133
		Lab Fort Blank Range	6.42	units	
		Lab Fort Bl. Av. Rec	102.22	%	
		LFB Duplicate RPD	6.28	%	0-30
	Arsenic	Lab Fort Blank Amt.	133.00	mg/kg dry wt	
		Lab Fort Blk. Found	140.97	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.99	%	80-120
		Dup Lab Fort Bl Amt.	133.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	136.63	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.72	%	80-120
		Lab Fort Blank Range	3.26	units	
		Lab Fort Bl. Av. Rec	104.36	%	
		LFB Duplicate RPD	3.12	%	0-30
	Barium	Lab Fort Blank Amt.	226.00	mg/kg dry wt	
		Lab Fort Blk. Found	233.36	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.25	%	81-119
		Dup Lab Fort Bl Amt.	226.00	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: ICP-21004

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90785					
	Barium	Dup Lab Fort Bl. Fnd	226.40	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.17	%	81-119
		Lab Fort Blank Range	3.07	units	
		Lab Fort Bl. Av. Rec	101.71	%	
		LFB Duplicate RPD	3.02	%	0-30
	Beryllium	Lab Fort Blank Amt.	117.00	mg/kg dry wt	
		Lab Fort Blk. Found	120.92	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.35	%	84-116
		Dup Lab Fort Bl Amt.	117.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	119.11	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.80	%	84-116
		Lab Fort Blank Range	1.54	units	
		Lab Fort Bl. Av. Rec	102.57	%	
		LFB Duplicate RPD	1.50	%	0-30
	Cadmium	Lab Fort Blank Amt.	103.00	mg/kg dry wt	
		Lab Fort Blk. Found	108.32	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.16	%	83-117
		Dup Lab Fort Bl Amt.	103.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	105.53	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.45	%	83-117
		Lab Fort Blank Range	2.70	units	
		Lab Fort Bl. Av. Rec	103.81	%	
		LFB Duplicate RPD	2.60	%	0-30
	Chromium	Lab Fort Blank Amt.	219.00	mg/kg dry wt	
		Lab Fort Blk. Found	227.82	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.02	%	82-118
		Dup Lab Fort Bl Amt.	219.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	226.98	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.64	%	82-118
		Lab Fort Blank Range	0.38	units	
		Lab Fort Bl. Av. Rec	103.83	%	
		LFB Duplicate RPD	0.36	%	0-30
	Nickel	Lab Fort Blank Amt.	119.00	mg/kg dry wt	
		Lab Fort Blk. Found	121.19	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.84	%	80-120
		Dup Lab Fort Bl Amt.	119.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	118.28	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.39	%	80-120
		Lab Fort Blank Range	2.44	units	
		Lab Fort Bl. Av. Rec	100.61	%	
		LFB Duplicate RPD	2.43	%	0-30
	Lead	Lab Fort Blank Amt.	168.00	mg/kg dry wt	
		Lab Fort Blk. Found	161.58	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: ICP-21004

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90785					
	Lead	Lab Fort Blk. % Rec.	96.17	%	82-118
		Dup Lab Fort Bl Amt.	168.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	159.97	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.22	%	82-118
		Lab Fort Blank Range	0.95	units	
		Lab Fort Bl. Av. Rec	95.69	%	
		LFB Duplicate RPD	1.00	%	0-30
	Antimony	Lab Fort Blank Amt.	79.20	mg/kg dry wt	
		Lab Fort Blk. Found	125.46	mg/kg dry wt	
		Lab Fort Blk. % Rec.	158.40	%	30-207
		Dup Lab Fort Bl Amt.	79.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	124.94	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	157.75	%	30-207
		Lab Fort Blank Range	0.65	units	
		Lab Fort Bl. Av. Rec	158.08	%	
		LFB Duplicate RPD	0.41	%	0-30
	Selenium	Lab Fort Blank Amt.	94.10	mg/kg dry wt	
		Lab Fort Blk. Found	96.83	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.90	%	77-123
		Dup Lab Fort Bl Amt.	94.10	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	95.37	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.34	%	77-123
		Lab Fort Blank Range	1.55	units	
		Lab Fort Bl. Av. Rec	102.12	%	
		LFB Duplicate RPD	1.51	%	0-30
	Thallium	Lab Fort Blank Amt.	152.00	mg/kg dry wt	
		Lab Fort Blk. Found	169.95	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.80	%	82-120
		Dup Lab Fort Bl Amt.	152.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	164.46	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.19	%	82-120
		Lab Fort Blank Range	3.61	units	
		Lab Fort Bl. Av. Rec	110.00	%	
		LFB Duplicate RPD	3.28	%	0-30
	Vanadium	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	131.24	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.69	%	80-120
		Dup Lab Fort Bl Amt.	123.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	127.62	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.75	%	80-120
		Lab Fort Blank Range	2.94	units	
		Lab Fort Bl. Av. Rec	105.22	%	
		LFB Duplicate RPD	2.79	%	0-30

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: ICP-21004

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90785					
	Zinc	Lab Fort Blank Amt.	280.00	mg/kg dry wt	
		Lab Fort Blk. Found	279.98	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.99	%	81-119
		Dup Lab Fort Bl Amt.	280.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	278.51	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.46	%	81-119
		Lab Fort Blank Range	0.52	units	
		Lab Fort Bl. Av. Rec	99.73	%	
		LFB Duplicate RPD	0.52	%	0-30

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QC SUMMARY REPORT

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Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: ICP/TCLP-4651

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01518					
	Silver	Sample Amount	<0.005	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.512	mg/l leachate	
		Matrix Spike % Rec.	102.540	%	
	Arsenic	Sample Amount	<0.010	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.574	mg/l leachate	
		Matrix Spike % Rec.	114.900	%	70-130
	Barium	Sample Amount	1.11	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	1.59	mg/l leachate	
		Matrix Spike % Rec.	95.91	%	70-130
	Cadmium	Sample Amount	0.020	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.569	mg/l leachate	
		Matrix Spike % Rec.	109.885	%	70-130
	Chromium	Sample Amount	<0.01	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.49	mg/l leachate	
		Matrix Spike % Rec.	99.44	%	70-130
	Lead	Sample Amount	11.585	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	11.849	mg/l leachate	
		Matrix Spike % Rec.	52.870	%	70-130
	Selenium	Sample Amount	<0.05	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.59	mg/l leachate	
		Matrix Spike % Rec.	119.68	%	70-130
BLANK-128734					
	Silver	Blank	<0.005	mg/l leachate	
	Arsenic	Blank	<0.010	mg/l leachate	
	Barium	Blank	<0.10	mg/l leachate	
	Cadmium	Blank	<0.005	mg/l leachate	
	Chromium	Blank	<0.01	mg/l leachate	
	Lead	Blank	<0.015	mg/l leachate	
	Selenium	Blank	<0.05	mg/l leachate	
LFBLANK-90798					
	Silver	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.515	mg/l leachate	
		Lab Fort Blk. % Rec.	103.060	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.530	mg/l leachate	
		Dup Lab Fort Bl %Rec	106.100	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: ICP/TCLP-4651

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90798					
	Silver	Lab Fort Blank Range	3.040	units	
		Lab Fort Bl. Av. Rec	104.580	%	
		LFB Duplicate RPD	2.906	%	
	Arsenic	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.602	mg/l leachate	
		Lab Fort Blk. % Rec.	120.500	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.617	mg/l leachate	
		Dup Lab Fort Bl %Rec	123.500	%	
		Lab Fort Blank Range	2.999	units	
		Lab Fort Bl. Av. Rec	122.000	%	
		LFB Duplicate RPD	2.459	%	
	Barium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.54	mg/l leachate	
		Lab Fort Blk. % Rec.	108.70	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.54	mg/l leachate	
		Dup Lab Fort Bl %Rec	109.24	%	
		Lab Fort Blank Range	0.53	units	
		Lab Fort Bl. Av. Rec	108.97	%	
		LFB Duplicate RPD	0.49	%	
	Cadmium	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.566	mg/l leachate	
		Lab Fort Blk. % Rec.	113.300	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.566	mg/l leachate	
		Dup Lab Fort Bl %Rec	113.300	%	
		Lab Fort Blank Range	0.000	units	
		Lab Fort Bl. Av. Rec	113.300	%	
		LFB Duplicate RPD	0.000	%	
	Chromium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.51	mg/l leachate	
		Lab Fort Blk. % Rec.	103.66	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.52	mg/l leachate	
		Dup Lab Fort Bl %Rec	104.26	%	
		Lab Fort Blank Range	0.59	units	
		Lab Fort Bl. Av. Rec	103.96	%	
		LFB Duplicate RPD	0.57	%	
	Lead	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.507	mg/l leachate	
		Lab Fort Blk. % Rec.	101.460	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22731

QC Batch Number: ICP/TCLP-4651

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90798					
	Lead	Dup Lab Fort Bl. Fnd	0.504	mg/l leachate	
		Dup Lab Fort Bl %Rec	100.860	%	
		Lab Fort Blank Range	0.600	units	
		Lab Fort Bl. Av. Rec	101.160	%	
		LFB Duplicate RPD	0.593	%	
	Selenium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.57	mg/l leachate	
		Lab Fort Blk. % Rec.	115.18	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.60	mg/l leachate	
		Dup Lab Fort Bl %Rec	120.92	%	
		Lab Fort Blank Range	5.74	units	
		Lab Fort Bl. Av. Rec	118.05	%	
		LFB Duplicate RPD	4.86	%	

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QC SUMMARY REPORT

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Method Blanks

NOTES:

QC Batch No. : GCMS/SEMI-11856
Sample ID : 09B01506
Analysis : Terphenyl-d14

SURROGATE RECOVERY OUTSIDE OF CON-TEST CONTROL LIMITS, BUT WITHIN METHOD REQUIREMENTS.

QC Batch No. : GC/FID-22959
Sample ID : 09B01507
Analysis : Terphenyl

SURROGATE CONCENTRATION BELOW DETECTION LIMIT DUE TO DILUTION REQUIRED FOR SAMPLE ANALYSIS.

QC Batch No. : GC/FID-22959
Sample ID : 09B01509
Analysis : Terphenyl

SURROGATE CONCENTRATION BELOW DETECTION LIMIT DUE TO DILUTION REQUIRED FOR SAMPLE ANALYSIS.

QC Batch No. : GCMS/SEMI-11856
Sample ID : 09B01511
Analysis : Benzo(b)fluoranthene

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

QC Batch No. : GCMS/SEMI-11856
Sample ID : 09B01511
Analysis : Benzo(g,h,i)perylene

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

QC Batch No. : GCMS/SEMI-11856
Sample ID : 09B01511
Analysis : Dibenz(a,h)anthracene

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

QC Batch No. : GCMS/SEMI-11856
Sample ID : 09B01511
Analysis : Fluoranthene

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

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QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch No. : GCMS/SEMI-11856
Sample ID : 09B01511
Analysis : Indeno(1,2,3-cd)pyrene

MATRIX SPIKE DUPLICATE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

QC Batch No. : GC/FID-22959
Sample ID : 09B01513
Analysis : Terphenyl

SURROGATE CONCENTRATION BELOW DETECTION LIMIT DUE TO DILUTION REQUIRED FOR SAMPLE ANALYSIS.

QC Batch No. : GCMS/SEMI-11856
Sample ID : LFBLANK-90792
Analysis : 4-Chloroaniline

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: LIMT-22731
Project Location: FORMER KEITH JUNIOR HIGH	MADEP RTN[1]:

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

09B01505 - 09B01518

Sample Matrices: ☐ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other: _____

MCP SW-846 Methods Used	8260B (X)	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☒ Yes ☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☒ Yes ☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No[1]
D	***VPH and EPH Methods only***: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☐ Yes ☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☒ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☒ No[1]

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

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

Signature: Edward Denson	**Position: Technical Director**
Printed Name: Edward Denson	**Date:** 1/23/09

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

Lmt # 22731

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

Company Name: TRC Environmental
Address: 650 Suffolk St.
Lowell, MA 01854
Attention: Dave Sullivan
Project Location: Fmr Keith Junior High
Sampled By: E. Wachtel + K. Katchin

Telephone: (978) 970-5600
Project # 115058
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax #: 978-453-1995
Email: dsullivan@trcsolutions.com
Format: ☒ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes _____ proposal date

State Form Required? ☐ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 09B	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	Total MCP Metals+Hg	EPA TCLP Metals	VOCs*	SVOCs	PAHs	TPH 8100						# of containers	**Preservation	~Cont.Code
											6									G	A	A
											V	A	G	A						T	I	I
											m/s	T	I	I								
	TRC-39D (1')	01505	1/21/09	925		G	S	L	X				X									
	TRC-39 (1')	01506	1/21/09	1025		↓	↓	↓	X				X									
	TRC-39 (4-5'/5')	01507/16	1/21/09	1020					X	X	X	X	X	X								
	TRC-39 (8')	01508	1/21/09	1030					X				X									
	TRC-39 (12') (HOLD)		1/21/09	1035					X				X					(HOLD)				
	TRC-37 (4-5'/4')	01509/17	1/21/09	1310					X	X	X	X	X	X								
	TRC-37 (1')	01510	1/21/09	1315		↓	↓	↓	X				X									
	TRC-37 (7')	01511	1/21/09	1320		G	S	L	X				X	* Disposed here for total MCP metals + PAHs								

* Not protocol so sample time written on vial cap

Client Comments:
* Rush 24-hr turnaround on all samples and additional 4oz jar for total metals + PAH to make sure there is sufficient volume.

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: 1/21/09 1505	
Received by: (signature)	Date/Time: 1/21/09 1505	
Relinquished by: (signature)	Date/Time: 1-21-09 1730	
Received by: (signature) Temp 2C	Date/Time: 1/21/09 17.30	

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

Detection Limit Requirements
Regulations? MA MCP S-1/S-2/S-3
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
X = Na hydroxide
H = HCL
T = Na thiosulfate
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
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.

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www.contestlabs.com

CHAIN OF CUSTODY RECORD

Lmt # 22731

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

Company Name: TRC
Address: 650 Suffolk St.
Lowell MA 01854
Attention: David Sullivan
Project Location: City of NB (KJH)
Sampled By: Jeff Sanders / M. Rizza

Telephone: (978) 656-3865
Project # 115058
Client PO #

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 Unknown proposal date

State Form Required? ☒ yes ☐ no

Field ID	Sample Description	Lab # 098	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP metals + Hg	TCLP Metals	VOCs *	SVOCs	PAHs	TPH 8100						# of containers
									1	1	3	1	1	1						# of containers
									G	G	✓	G	G	G						**Preservation
									I	I	M/S	I	I	I						~Cont.Code
	TRC-17 (1)	01512	1/21/09	1130		G	S	L	X				X							
	TRC-17 (5)	01513 / 18	↓	1135		↓	↓	↓	X	X	X	X	X	X						
	TRC-17 (7)	01514		1140					X				X							
	TRC-17 (12) (HOLD)			1145					X				X				(HOLD)			
	TRC-17D (1)	01515	✓	1150		✓	✓	✓	X				X							
	TRC-37 (10) (HOLD)		1/21/09	1325		G	S	L	X				X				(HOLD)			

ANALYSIS REQUESTED

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

Client Comments:
* Rush 24 hr turnaround on all samples & additional aliquot for total metals & PAHs on certain samples to make sure there is sufficient volume

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: 1/21/09 1505
Received by: (signature)	Date/Time: 1-21-09 1505
Relinquished by: (signature)	Date/Time: 1-21-09 1730
Received by: (signature) Temp 2.c	Date/Time: 1/21/09 17:30

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

Detection Limit Requirements
Regulations? MCP 5-1/5-2/5-3
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

** 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

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Sample Receipt Checklist

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

CLIENT NAME: TRC MA RECEIVED BY: KO DATE: 1/21/09

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank 2°C Temperature °C by Temp gun _____

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

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes No (KA) 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: 19B

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

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	2
500 mL Amber		4 oz clear jar	16
250 mL Amber (8oz amber)	4	2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below	9	Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 3

Bisulfate 6 # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

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

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

REPORT DATE 1/23/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22742
JOB NUMBER: 115058

PROJECT LOCATION: CITY OF NEW BEDFORD (KJH)

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
TRC-23 (1)	09B01569	SOIL	Not Specified	6010 drywt mcp	
TRC-23 (1)	09B01569	SOIL	Not Specified	hg (mg/kg) dw	
TRC-23 (1)	09B01569	SOIL	Not Specified	pah - sludge	
TRC-23 (1)	09B01569	SOIL	Not Specified	solids (percent)	
TRC-23 (12)	09B01571	SOIL	Not Specified	6010 drywt mcp	
TRC-23 (12)	09B01571	SOIL	Not Specified	hg (mg/kg) dw	
TRC-23 (12)	09B01571	SOIL	Not Specified	pah - sludge	
TRC-23 (12)	09B01571	SOIL	Not Specified	solids (percent)	
TRC-23 (8)	09B01570	SOIL	Not Specified	6010 drywt mcp	
TRC-23 (8)	09B01570	SOIL	Not Specified	8260 mcp drywt	
TRC-23 (8)	09B01570	SOIL	Not Specified	8270 mcp drywt	
TRC-23 (8)	09B01570	SOIL	Not Specified	hg (mg/kg) dw	
TRC-23 (8)	09B01570	SOIL	Not Specified	solids (percent)	
TRC-23 (8)	09B01570	SOIL	Not Specified	tph gc dry 8100m	
TRC-23 (8)	09B01582	SOIL	Not Specified	tclp - metals	
TRC-24 (1)	09B01566	SOIL	Not Specified	6010 drywt mcp	
TRC-24 (1)	09B01566	SOIL	Not Specified	hg (mg/kg) dw	
TRC-24 (1)	09B01566	SOIL	Not Specified	pah - sludge	
TRC-24 (1)	09B01566	SOIL	Not Specified	solids (percent)	
TRC-24 (12)	09B01568	SOIL	Not Specified	6010 drywt mcp	
TRC-24 (12)	09B01568	SOIL	Not Specified	hg (mg/kg) dw	
TRC-24 (12)	09B01568	SOIL	Not Specified	pah - sludge	
TRC-24 (12)	09B01568	SOIL	Not Specified	solids (percent)	
TRC-24 (7)	09B01567	SOIL	Not Specified	6010 drywt mcp	
TRC-24 (7)	09B01567	SOIL	Not Specified	8260 mcp drywt	
TRC-24 (7)	09B01567	SOIL	Not Specified	8270 mcp drywt	
TRC-24 (7)	09B01567	SOIL	Not Specified	hg (mg/kg) dw	
TRC-24 (7)	09B01567	SOIL	Not Specified	solids (percent)	
TRC-24 (7)	09B01567	SOIL	Not Specified	tph gc dry 8100m	
TRC-24 (7)	09B01581	SOIL	Not Specified	tclp - metals	
TRC-25 (1)	09B01572	SOIL	Not Specified	6010 drywt mcp	
TRC-25 (1)	09B01572	SOIL	Not Specified	hg (mg/kg) dw	
TRC-25 (1)	09B01572	SOIL	Not Specified	pah - sludge	
TRC-25 (1)	09B01572	SOIL	Not Specified	solids (percent)	
TRC-25 (5)	09B01573	SOIL	Not Specified	6010 drywt mcp	
TRC-25 (5)	09B01573	SOIL	Not Specified	hg (mg/kg) dw	
TRC-25 (5)	09B01573	SOIL	Not Specified	pah - sludge	
TRC-25 (5)	09B01573	SOIL	Not Specified	solids (percent)	
TRC-25 (8)	09B01574	SOIL	Not Specified	6010 drywt mcp	

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

REPORT DATE 1/23/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22742
JOB NUMBER: 115058

TRC-25 (8)	09B01574	SOIL	Not Specified	hg (mg/kg) dw
TRC-25 (8)	09B01574	SOIL	Not Specified	pah - sludge
TRC-25 (8)	09B01574	SOIL	Not Specified	solids (percent)
TRC-26 (1)	09B01575	SOIL	Not Specified	6010 drywt mcp
TRC-26 (1)	09B01575	SOIL	Not Specified	hg (mg/kg) dw
TRC-26 (1)	09B01575	SOIL	Not Specified	pah - sludge
TRC-26 (1)	09B01575	SOIL	Not Specified	solids (percent)
TRC-26 (5)	09B01576	SOIL	Not Specified	6010 drywt mcp
TRC-26 (5)	09B01576	SOIL	Not Specified	hg (mg/kg) dw
TRC-26 (5)	09B01576	SOIL	Not Specified	pah - sludge
TRC-26 (5)	09B01576	SOIL	Not Specified	solids (percent)
TRC-26 (9)QC	09B01577	SOIL	Not Specified	6010 drywt mcp
TRC-26 (9)QC	09B01577	SOIL	Not Specified	hg (mg/kg) dw
TRC-26 (9)QC	09B01577	SOIL	Not Specified	pah - sludge
TRC-26 (9)QC	09B01577	SOIL	Not Specified	solids (percent)
TRC-27 (1)	09B01578	SOIL	Not Specified	6010 drywt mcp
TRC-27 (1)	09B01578	SOIL	Not Specified	hg (mg/kg) dw
TRC-27 (1)	09B01578	SOIL	Not Specified	pah - sludge
TRC-27 (1)	09B01578	SOIL	Not Specified	solids (percent)
TRC-27 (5)	09B01579	SOIL	Not Specified	6010 drywt mcp
TRC-27 (5)	09B01579	SOIL	Not Specified	hg (mg/kg) dw
TRC-27 (5)	09B01579	SOIL	Not Specified	pah - sludge
TRC-27 (5)	09B01579	SOIL	Not Specified	solids (percent)
TRC-27 (7)	09B01580	SOIL	Not Specified	6010 drywt mcp
TRC-27 (7)	09B01580	SOIL	Not Specified	hg (mg/kg) dw
TRC-27 (7)	09B01580	SOIL	Not Specified	pah - sludge
TRC-27 (7)	09B01580	SOIL	Not Specified	solids (percent)

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REPORT DATE 1/23/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22742
JOB NUMBER: 115058

Comments :

LIMS BATCH NO. : LIMT-22742

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 8260, the initial and/or continuing calibration did not meet method specifications. For samples 09B01567 and 01570, Acetone, 2-Butanone, Tetrahydrofuran, and 1,4-Dioxane were calibrated with a relative response factor <0.05.

In method 8260, any reported result for Chloromethane, Acetone, and 1,4-Dioxane in samples 09B01567 and 01570 is estimated and likely to be biased on the low side based on continuing calibration bias.

In method 8260, any reported result for Acetone in samples 09B01567 and 01570 is likely to be biased on the low side based on laboratory fortified blank (laboratory control sample) and duplicate recovery bias.

In method SW-846 8100M - TPH, samples 09B01567 and 01570 were extracted 1/22/2009 using SW-846 3546 (Microwave).

In method 6010, method blank contamination noted above the reporting limit for Zn for SOIL samples. Reported results for this element may be bias on the high side. The SOIL ms and msd recoveries are outside control limits for Sb. Analysis is in control based on laboratory Fortified blank recovery. Ms and msd recoveries are >30%; no corrective action is necessary.

In method 8270, initial calibration did not meet method specifications. For samples 09B01566, 09B01572, 09B01573, and 09B01575 was calibrated by linear regression with a correlation coefficient <0.99. Reduced accuracy and precision are anticipated for any reported result for this compound.

In method 8270, any reported result for Indeno(1,2,3-cd)pyrene in sample 09B01578 is estimated and likely to be biased on the high side based on continuing calibration bias.

In method 8270, laboratory fortified blank duplicate (laboratory control sample) RPD for 4-Chloroaniline in all samples is outside of control limits. Reduced precision is anticipated for any reported results for this compound in these samples.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846 8260 - ADDITIONAL DETAILS

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where recovery control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative.
Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, vinyl chloride,

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

REPORT DATE 1/23/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22742
JOB NUMBER: 115058

chloromethane, dichlorodifluoromethane, 2-hexanone, naphthalene, and bromomethane
Additional difficult analytes in water only: 2,2-dichloropropane and tetrachloroethylene
Additional difficult analytes in soil only: 1,2,3-trichloropropane, methylene chloride, n-butylbenzene, and tert-butylbenzene
Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for "difficult analytes" where RPDs of 50% are used and/or unless otherwise listed in this narrative.
Difficult analyte: 1,4-dioxane
Compounds outside of control limits:

In method 8260, either laboratory fortified blank (laboratory control sample) or duplicate recovery is outside control limits for 2-Butanone and 1,2,3-Trichloropropane, but the other is within limits. Analysis is in control.

All 8260 surrogate standard recoveries were within control limits specified by the method unless listed below:
None outside of control limits

8260 QC SURROGATE RECOVERIES

BLANK-128743

D4-1,2-DICHLOROETHANE:	106%
D8-TOLUENE:	95%
BROMOFLUOROBENZENE:	97%

LFBLANK-90807	LFB	LFB DUPLICATE
D4-1,2-DICHLOROETHANE:	103%	107%
D8-TOLUENE:	98%	97%
BROMOFLUOROBENZENE:	98%	99%

All analyte list compounds were reported for method 8260 unless noted below:
Only the MCP compounds were requested and reported

METHOD SW846 7470/7471A - ADDITIONAL DETAILS

Sample duplicate, matrix spike and matrix spike duplicate performed on SOIL sample 09B01577.
Sample duplicate not reported due to non-detect sample and duplicate results.

For TCLP samples, either LFB or LFB DUP is outside control limits, but other is within control limits. Analysis is in control. Matrix spike performed on TCLP sample 09B01582.

METHOD SW846-6010 - ADDITIONAL DETAILS

Only RCRA 8 elements were requested and reported for TCLP.

Sample duplicate, matrix spike and matrix spike duplicate performed on SOIL sample 09B01577.
The sample duplicate is not reported for Ag, As, Be, Cd, Sb, Se and Tl due to non detect sample and duplicate results.

METHOD SW846 8270 - ADDITIONAL DETAILS

Solid samples, if any, in the batch were extracted by the following method:
Microwave: SW-846 3546

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ANALYTICAL LABORATORY

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

REPORT DATE 1/23/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22742
JOB NUMBER: 115058

In method 8270, for Benzo(g,h,i)pyrene in samples 09B01567, 09B01570, 09B01578, 09B01579, 09B01580 data is not affected by continuing calibration non-conformance since bias is on the high side and all results are "not detected".

In method 8270, for Indeno(1,2,3-cd)pyrene in samples 09B01567, 09B01570, 09B01579, 09B01580 data is not affected by continuing calibration non-conformance since bias is on the high side and all results are "not detected".

In method 8270, for Dibenz(a,h)anthracene in samples 09B01568, 09B01569, 09B01574, 09B01576, and 09B01577, data is not affected by continuing calibration non-conformance since bias is on the high side and all results are "not detected".

In method 8270, for Benzo(k)fluoranthene in samples 09B01566, 09B01572, 09B01573, 09B01575 data is not affected by continuing calibration non-conformance since bias is on the high side and all results are "not detected".

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative.

Difficult analytes for soil LCS - limits between 10 and 180% depending on the compound (see QC summary report for limits): 3,3'-dichlorobenzidine, aniline, 2,4-dinitrophenol, and 4-chloroaniline.

Difficult analytes for water LCS - limits between 10 and 150% depending on the compound (see QC summary report for limits): dimethylphthalate, bis(2-chloroisopropyl)ether, 4-nitrophenol, and phenol.

Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for "difficult analytes" where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative.

Difficult analytes for water RPDs: aniline, benzo(a,h)anthracene, dimethylphthalte, hexachloroethane, indeno(1,2,3-cd)pyrene, 2,4-dinitrophenol, 4-nitrophenol, 2,4,6-trichlorophenol, and pentachlorophenol.

Difficult analytes for soil RPDs: 3,3'-dichlorobenzidine, 4-nitrophenol, and aniline.

In method 8270, for sample 09B01577, either matrix spike or matrix spike duplicate recovery for Fluoranthene is outside of control limits, but the other is within limits. Outlier should be viewed as a one-time anomaly.

8270 QC Surrogate recoveries

BLANK-128742

Phenol-d6:	79.0%
Nitrobenzene-d5:	78.0%
2-Fluorobiphenyl:	68.0%
2,4,6-Tribromophenol:	63.0%
Terphenyl-d14:	65.0%
2-Fluorphenol:	82%

LFBLANK-90805	LFB	LFB Duplicate
Phenol-d6:	76%	80%
Nitrobenzene-d5:	78%	78%

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CONTRACT NUMBER:
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ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22742
JOB NUMBER: 115058

2-Fluorobiphenyl:	65%	71%
2,4,6-Tribromophenol:	72%	78%
Terphenyl-d14:	64%	70%
2-Fluorophenol:	77%	75%

Matrix Spike Sample 09B01577	MS	MS Duplicate
Phenol-d6:	63%	59%
Nitrobenzene-d5:	60%	56%
2-Fluorobiphenyl:	53%	52%
2,4,6-Tribromophenol:	54%	59%
Terphenyl-d14:	55%	45%
2-Fluorophenol:	67%	56%

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

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 individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

1/23/09

SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-23 (1)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01569 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	4.51			
Arsenic	mg/kg dry wt	2.85	01/23/09	KSH	2.82			
Barium	mg/kg dry wt	25.1	01/23/09	KSH	5.64			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.29			
Cadmium	mg/kg dry wt	ND	01/23/09	KSH	0.29			
Chromium	mg/kg dry wt	12.1	01/23/09	KSH	0.57			
Lead	mg/kg dry wt	5.59	01/23/09	KSH	0.85			
Nickel	mg/kg dry wt	6.72	01/23/09	KSH	0.57			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	5.64			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.57			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	3.38			
Vanadium	mg/kg dry wt	14.5	01/23/09	KSH	5.64			
Zinc	mg/kg dry wt	19.6	01/23/09	KSH	1.13			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-23 (12)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01571 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	4.39			
Arsenic	mg/kg dry wt	ND	01/23/09	KSH	2.75			
Barium	mg/kg dry wt	10.3	01/23/09	KSH	5.49			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.28			
Cadmium	mg/kg dry wt	ND	01/23/09	KSH	0.28			
Chromium	mg/kg dry wt	3.54	01/23/09	KSH	0.55			
Lead	mg/kg dry wt	ND	01/23/09	KSH	0.83			
Nickel	mg/kg dry wt	2.33	01/23/09	KSH	0.55			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	5.49			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.55			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	3.29			
Vanadium	mg/kg dry wt	ND	01/23/09	KSH	5.49			
Zinc	mg/kg dry wt	8.32	01/23/09	KSH	1.10			

Analytical Method:
SW846 6010
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1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-23 (8)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01570 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	4.14			
Arsenic	mg/kg dry wt	ND	01/23/09	KSH	2.59			
Barium	mg/kg dry wt	23.2	01/23/09	KSH	5.18			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.26			
Cadmium	mg/kg dry wt	ND	01/23/09	KSH	0.26			
Chromium	mg/kg dry wt	11.7	01/23/09	KSH	0.52			
Lead	mg/kg dry wt	1.04	01/23/09	KSH	0.78			
Nickel	mg/kg dry wt	5.29	01/23/09	KSH	0.52			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	5.18			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.52			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	3.11			
Vanadium	mg/kg dry wt	9.52	01/23/09	KSH	5.18			
Zinc	mg/kg dry wt	15.3	01/23/09	KSH	1.04			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-24 (1)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01566 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	4.91			
Arsenic	mg/kg dry wt	4.05	01/23/09	KSH	3.07			
Barium	mg/kg dry wt	46.8	01/23/09	KSH	6.13			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.31			
Cadmium	mg/kg dry wt	0.58	01/23/09	KSH	0.31			
Chromium	mg/kg dry wt	11.9	01/23/09	KSH	0.62			
Lead	mg/kg dry wt	89.8	01/23/09	KSH	0.92			
Nickel	mg/kg dry wt	6.52	01/23/09	KSH	0.62			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	6.13			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.62			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	3.68			
Vanadium	mg/kg dry wt	15.3	01/23/09	KSH	6.13			
Zinc	mg/kg dry wt	78.6	01/23/09	KSH	1.23			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-24 (12)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01568 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	4.32			
Arsenic	mg/kg dry wt	ND	01/23/09	KSH	2.70			
Barium	mg/kg dry wt	10.6	01/23/09	KSH	5.40			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.27			
Cadmium	mg/kg dry wt	ND	01/23/09	KSH	0.27			
Chromium	mg/kg dry wt	2.16	01/23/09	KSH	0.54			
Lead	mg/kg dry wt	ND	01/23/09	KSH	0.81			
Nickel	mg/kg dry wt	1.60	01/23/09	KSH	0.54			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	5.40			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.54			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	3.24			
Vanadium	mg/kg dry wt	ND	01/23/09	KSH	5.40			
Zinc	mg/kg dry wt	8.87	01/23/09	KSH	1.08			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-24 (7)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01567 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	4.31			
Arsenic	mg/kg dry wt	ND	01/23/09	KSH	2.69			
Barium	mg/kg dry wt	10.8	01/23/09	KSH	5.38			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.27			
Cadmium	mg/kg dry wt	ND	01/23/09	KSH	0.27			
Chromium	mg/kg dry wt	4.90	01/23/09	KSH	0.54			
Lead	mg/kg dry wt	1.28	01/23/09	KSH	0.81			
Nickel	mg/kg dry wt	2.76	01/23/09	KSH	0.54			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	5.38			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.54			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	3.23			
Vanadium	mg/kg dry wt	6.07	01/23/09	KSH	5.38			
Zinc	mg/kg dry wt	10.6	01/23/09	KSH	1.08			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-25 (1)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01572 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	4.41			
Arsenic	mg/kg dry wt	2.93	01/23/09	KSH	2.76			
Barium	mg/kg dry wt	126	01/23/09	KSH	5.51			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.28			
Cadmium	mg/kg dry wt	0.28	01/23/09	KSH	0.28			
Chromium	mg/kg dry wt	116	01/23/09	KSH	0.56			
Lead	mg/kg dry wt	15.3	01/23/09	KSH	0.83			
Nickel	mg/kg dry wt	49.0	01/23/09	KSH	0.56			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	5.51			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.56			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	3.31			
Vanadium	mg/kg dry wt	46.4	01/23/09	KSH	5.51			
Zinc	mg/kg dry wt	47.4	01/23/09	KSH	1.11			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-25 (5)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01573 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	6.43			
Arsenic	mg/kg dry wt	8.29	01/23/09	KSH	4.02			
Barium	mg/kg dry wt	35.9	01/23/09	KSH	8.03			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.41			
Cadmium	mg/kg dry wt	ND	01/23/09	KSH	0.41			
Chromium	mg/kg dry wt	27.0	01/23/09	KSH	0.81			
Lead	mg/kg dry wt	18.4	01/23/09	KSH	1.21			
Nickel	mg/kg dry wt	8.67	01/23/09	KSH	0.81			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	8.03			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.81			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	4.82			
Vanadium	mg/kg dry wt	24.3	01/23/09	KSH	8.03			
Zinc	mg/kg dry wt	30.9	01/23/09	KSH	1.61			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-25 (8)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01574 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	4.28			
Arsenic	mg/kg dry wt	ND	01/23/09	KSH	2.68			
Barium	mg/kg dry wt	21.8	01/23/09	KSH	5.35			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.27			
Cadmium	mg/kg dry wt	ND	01/23/09	KSH	0.27			
Chromium	mg/kg dry wt	18.4	01/23/09	KSH	0.54			
Lead	mg/kg dry wt	ND	01/23/09	KSH	0.81			
Nickel	mg/kg dry wt	8.44	01/23/09	KSH	0.54			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	5.35			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.54			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	3.21			
Vanadium	mg/kg dry wt	17.8	01/23/09	KSH	5.35			
Zinc	mg/kg dry wt	26.4	01/23/09	KSH	1.07			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-26 (1)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01575 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	4.55			
Arsenic	mg/kg dry wt	4.71	01/23/09	KSH	2.84			
Barium	mg/kg dry wt	18.5	01/23/09	KSH	5.68			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.29			
Cadmium	mg/kg dry wt	ND	01/23/09	KSH	0.29			
Chromium	mg/kg dry wt	8.07	01/23/09	KSH	0.57			
Lead	mg/kg dry wt	15.3	01/23/09	KSH	0.86			
Nickel	mg/kg dry wt	4.17	01/23/09	KSH	0.57			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	5.68			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.57			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	3.41			
Vanadium	mg/kg dry wt	10.3	01/23/09	KSH	5.68			
Zinc	mg/kg dry wt	21.7	01/23/09	KSH	1.14			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

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NM = Not Measured

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con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-26 (5)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01576 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	4.32			
Arsenic	mg/kg dry wt	ND	01/23/09	KSH	2.70			
Barium	mg/kg dry wt	30.2	01/23/09	KSH	5.40			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.27			
Cadmium	mg/kg dry wt	ND	01/23/09	KSH	0.27			
Chromium	mg/kg dry wt	11.6	01/23/09	KSH	0.54			
Lead	mg/kg dry wt	0.98	01/23/09	KSH	0.81			
Nickel	mg/kg dry wt	6.93	01/23/09	KSH	0.54			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	5.40			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.54			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	3.24			
Vanadium	mg/kg dry wt	12.4	01/23/09	KSH	5.40			
Zinc	mg/kg dry wt	18.2	01/23/09	KSH	1.08			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-26 (9)QC

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01577 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	4.38			
Arsenic	mg/kg dry wt	ND	01/23/09	KSH	2.74			
Barium	mg/kg dry wt	36.7	01/23/09	KSH	5.47			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.28			
Cadmium	mg/kg dry wt	ND	01/23/09	KSH	0.28			
Chromium	mg/kg dry wt	9.75	01/23/09	KSH	0.55			
Lead	mg/kg dry wt	0.94	01/23/09	KSH	0.82			
Nickel	mg/kg dry wt	6.25	01/23/09	KSH	0.55			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	5.47			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.55			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	3.28			
Vanadium	mg/kg dry wt	13.8	01/23/09	KSH	5.47			
Zinc	mg/kg dry wt	20.5	01/23/09	KSH	1.10			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-27 (1)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01578

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	4.72			
Arsenic	mg/kg dry wt	7.12	01/23/09	KSH	2.95			
Barium	mg/kg dry wt	20.1	01/23/09	KSH	5.89			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.30			
Cadmium	mg/kg dry wt	0.38	01/23/09	KSH	0.30			
Chromium	mg/kg dry wt	7.89	01/23/09	KSH	0.59			
Lead	mg/kg dry wt	16.1	01/23/09	KSH	0.89			
Nickel	mg/kg dry wt	4.78	01/23/09	KSH	0.59			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	5.89			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.59			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	3.54			
Vanadium	mg/kg dry wt	9.13	01/23/09	KSH	5.89			
Zinc	mg/kg dry wt	19.0	01/23/09	KSH	1.18			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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ND = Not Detected at or above the Reporting Limit

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-27 (5)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01579 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	4.39			
Arsenic	mg/kg dry wt	3.67	01/23/09	KSH	2.74			
Barium	mg/kg dry wt	19.7	01/23/09	KSH	5.48			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.28			
Cadmium	mg/kg dry wt	ND	01/23/09	KSH	0.28			
Chromium	mg/kg dry wt	12.2	01/23/09	KSH	0.55			
Lead	mg/kg dry wt	7.24	01/23/09	KSH	0.83			
Nickel	mg/kg dry wt	6.23	01/23/09	KSH	0.55			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	5.48			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.55			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	3.29			
Vanadium	mg/kg dry wt	15.8	01/23/09	KSH	5.48			
Zinc	mg/kg dry wt	21.7	01/23/09	KSH	1.10			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-27 (7)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01580 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/23/09	KSH	4.75			
Arsenic	mg/kg dry wt	4.00	01/23/09	KSH	2.97			
Barium	mg/kg dry wt	14.6	01/23/09	KSH	5.94			
Beryllium	mg/kg dry wt	ND	01/23/09	KSH	0.30			
Cadmium	mg/kg dry wt	ND	01/23/09	KSH	0.30			
Chromium	mg/kg dry wt	10.5	01/23/09	KSH	0.60			
Lead	mg/kg dry wt	2.75	01/23/09	KSH	0.89			
Nickel	mg/kg dry wt	2.44	01/23/09	KSH	0.60			
Selenium	mg/kg dry wt	ND	01/23/09	KSH	5.94			
Silver	mg/kg dry wt	ND	01/23/09	KSH	0.60			
Thallium	mg/kg dry wt	ND	01/23/09	KSH	3.56			
Vanadium	mg/kg dry wt	17.8	01/23/09	KSH	5.94			
Zinc	mg/kg dry wt	11.4	01/23/09	KSH	1.19			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/23/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-23 (8)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01570

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	01/22/09	MFF	0.049			
tert-Amylmethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Benzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Bromobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Bromochloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Bromodichloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Bromoform	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Bromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.005			
2-Butanone (MEK)	mg/kg dry wt	ND	01/22/09	MFF	0.020			
n-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
sec-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
tert-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
tert-Butylethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	01/22/09	MFF	0.003			
Carbon Tetrachloride	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Chlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Chlorodibromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.010			
Chloroform	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Chloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.005			
2-Chlorotoluene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
4-Chlorotoluene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2-Dibromoethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Dichlorodifluoromethane	mg/kg dry wt	ND	01/22/09	MFF	0.010			

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-23 (8)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01570

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1-Dichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2-Dichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,1-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,3-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,1-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.010			
Diisopropyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	01/22/09	MFF	0.049			
Ethyl Benzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Hexachlorobutadiene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
2-Hexanone	mg/kg dry wt	ND	01/22/09	MFF	0.010			
Isopropylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
p-Isopropyltoluene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
MTBE	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Methylene Chloride	mg/kg dry wt	ND	01/22/09	MFF	0.010			
MIBK	mg/kg dry wt	ND	01/22/09	MFF	0.010			
Naphthalene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
n-Propylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Styrene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Tetrahydrofuran	mg/kg dry wt	ND	01/22/09	MFF	0.005			

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con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-23 (8)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01570

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Toluene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,1,1-Trichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,1,2-Trichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Trichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Trichlorofluoromethane	mg/kg dry wt	ND	01/22/09	MFF	0.005			
1,2,3-Trichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Vinyl Chloride	mg/kg dry wt	ND	01/22/09	MFF	0.005			
m + p Xylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
o-Xylene	mg/kg dry wt	ND	01/22/09	MFF	0.001			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/23/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-24 (7)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01567

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	01/22/09	MFF	0.049			
tert-Amylmethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Benzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Bromobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Bromochloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Bromodichloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Bromoform	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Bromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.005			
2-Butanone (MEK)	mg/kg dry wt	ND	01/22/09	MFF	0.020			
n-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
sec-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
tert-Butylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
tert-Butylethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Carbon Disulfide	mg/kg dry wt	ND	01/22/09	MFF	0.003			
Carbon Tetrachloride	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Chlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Chlorodibromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Chloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.010			
Chloroform	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Chloromethane	mg/kg dry wt	ND	01/22/09	MFF	0.005			
2-Chlorotoluene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
4-Chlorotoluene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2-Dibromoethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Dibromomethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Dichlorodifluoromethane	mg/kg dry wt	ND	01/22/09	MFF	0.010			

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‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-24 (7)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01567

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1-Dichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2-Dichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,1-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,3-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
2,2-Dichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,1-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Diethyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.010			
Diisopropyl Ether	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,4-Dioxane	mg/kg dry wt	ND	01/22/09	MFF	0.049			
Ethyl Benzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Hexachlorobutadiene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
2-Hexanone	mg/kg dry wt	ND	01/22/09	MFF	0.010			
Isopropylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
p-Isopropyltoluene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
MTBE	mg/kg dry wt	ND	01/22/09	MFF	0.002			
Methylene Chloride	mg/kg dry wt	ND	01/22/09	MFF	0.010			
MIBK	mg/kg dry wt	ND	01/22/09	MFF	0.010			
Naphthalene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
n-Propylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Styrene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Tetrachloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Tetrahydrofuran	mg/kg dry wt	ND	01/22/09	MFF	0.005			

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-24 (7)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01567 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Toluene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,1,1-Trichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,1,2-Trichloroethane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Trichloroethylene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Trichlorofluoromethane	mg/kg dry wt	ND	01/22/09	MFF	0.005			
1,2,3-Trichloropropane	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	01/22/09	MFF	0.001			
Vinyl Chloride	mg/kg dry wt	ND	01/22/09	MFF	0.005			
m + p Xylene	mg/kg dry wt	ND	01/22/09	MFF	0.002			
o-Xylene	mg/kg dry wt	ND	01/22/09	MFF	0.001			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-23 (8)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01570

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Acetophenone	mg/kg dry wt	ND	01/22/09	FD	0.35			
Aniline	mg/kg dry wt	ND	01/22/09	FD	0.35			
Anthracene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	01/22/09	FD	0.35			
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	01/22/09	FD	0.35			
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	01/22/09	FD	0.35			
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	01/22/09	FD	0.35			
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	01/22/09	FD	0.35			
Butylbenzylphthalate	mg/kg dry wt	ND	01/22/09	FD	0.69			
4-Chloroaniline	mg/kg dry wt	ND	01/22/09	FD	0.69			
2-Chloronaphthalene	mg/kg dry wt	ND	01/22/09	FD	0.35			
2-Chlorophenol	mg/kg dry wt	ND	01/22/09	FD	0.35			
Chrysene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Dibenzofuran	mg/kg dry wt	ND	01/22/09	FD	0.35			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.173			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	FD	0.35			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	FD	0.35			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	FD	0.35			
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	01/22/09	FD	0.18			
2,4-Dichlorophenol	mg/kg dry wt	ND	01/22/09	FD	0.35			
Diethylphthalate	mg/kg dry wt	ND	01/22/09	FD	0.35			
2,4-Dimethylphenol	mg/kg dry wt	ND	01/22/09	FD	0.35			

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NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/23/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-23 (8)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01570

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	01/22/09	FD	0.69			
Di-n-butylphthalate	mg/kg dry wt	ND	01/22/09	FD	0.35			
Di-n-octylphthalate	mg/kg dry wt	ND	01/22/09	FD	0.69			
2,4-Dinitrophenol	mg/kg dry wt	ND	01/22/09	FD	0.69			
2,4-Dinitrotoluene	mg/kg dry wt	ND	01/22/09	FD	0.35			
2,6-Dinitrotoluene	mg/kg dry wt	ND	01/22/09	FD	0.35			
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	01/22/09	FD	0.35			
Fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Fluorene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Hexachlorobenzene	mg/kg dry wt	ND	01/22/09	FD	0.35			
Hexachlorobutadiene	mg/kg dry wt	ND	01/22/09	FD	0.35			
Hexachloroethane	mg/kg dry wt	ND	01/22/09	FD	0.35			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Isophorone	mg/kg dry wt	ND	01/22/09	FD	0.35			
o-cresol	mg/kg dry wt	ND	01/22/09	FD	0.35			
m & p-cresol(s)	mg/kg dry wt	ND	01/22/09	FD	0.35			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Naphthalene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Nitrobenzene	mg/kg dry wt	ND	01/22/09	FD	0.35			
2-Nitrophenol	mg/kg dry wt	ND	01/22/09	FD	0.35			
4-Nitrophenol	mg/kg dry wt	ND	01/22/09	FD	0.69			
Pentachlorophenol	mg/kg dry wt	ND	01/22/09	FD	0.35			
Phenanthrene	mg/kg dry wt	ND	01/22/09	FD	0.173			
Phenol	mg/kg dry wt	ND	01/22/09	FD	0.35			
Pyrene	mg/kg dry wt	ND	01/22/09	FD	0.173			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	FD	0.35			
2,4,5-Trichlorophenol	mg/kg dry wt	ND	01/22/09	FD	0.35			
2,4,6-Trichlorophenol	mg/kg dry wt	ND	01/22/09	FD	0.35			

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con-test® ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-23 (8)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01570

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extraction Date 8270		1/22/2009	01/22/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-24 (7)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01567

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Acetophenone	mg/kg dry wt	ND	01/22/09	FD	0.36			
Aniline	mg/kg dry wt	ND	01/22/09	FD	0.36			
Anthracene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	01/22/09	FD	0.36			
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	01/22/09	FD	0.36			
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	01/22/09	FD	0.36			
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	01/22/09	FD	0.36			
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	01/22/09	FD	0.36			
Butylbenzylphthalate	mg/kg dry wt	ND	01/22/09	FD	0.72			
4-Chloroaniline	mg/kg dry wt	ND	01/22/09	FD	0.72			
2-Chloronaphthalene	mg/kg dry wt	ND	01/22/09	FD	0.36			
2-Chlorophenol	mg/kg dry wt	ND	01/22/09	FD	0.36			
Chrysene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Dibenzofuran	mg/kg dry wt	ND	01/22/09	FD	0.36			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.180			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	FD	0.36			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	FD	0.36			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/22/09	FD	0.36			
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	01/22/09	FD	0.18			
2,4-Dichlorophenol	mg/kg dry wt	ND	01/22/09	FD	0.36			
Diethylphthalate	mg/kg dry wt	ND	01/22/09	FD	0.36			
2,4-Dimethylphenol	mg/kg dry wt	ND	01/22/09	FD	0.36			

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-24 (7)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01567 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	01/22/09	FD	0.72			
Di-n-butylphthalate	mg/kg dry wt	ND	01/22/09	FD	0.36			
Di-n-octylphthalate	mg/kg dry wt	ND	01/22/09	FD	0.72			
2,4-Dinitrophenol	mg/kg dry wt	ND	01/22/09	FD	0.72			
2,4-Dinitrotoluene	mg/kg dry wt	ND	01/22/09	FD	0.36			
2,6-Dinitrotoluene	mg/kg dry wt	ND	01/22/09	FD	0.36			
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	01/22/09	FD	0.36			
Fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Fluorene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Hexachlorobenzene	mg/kg dry wt	ND	01/22/09	FD	0.36			
Hexachlorobutadiene	mg/kg dry wt	ND	01/22/09	FD	0.36			
Hexachloroethane	mg/kg dry wt	ND	01/22/09	FD	0.36			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Isophorone	mg/kg dry wt	ND	01/22/09	FD	0.36			
o-cresol	mg/kg dry wt	ND	01/22/09	FD	0.36			
m & p-cresol(s)	mg/kg dry wt	ND	01/22/09	FD	0.36			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Naphthalene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Nitrobenzene	mg/kg dry wt	ND	01/22/09	FD	0.36			
2-Nitrophenol	mg/kg dry wt	ND	01/22/09	FD	0.36			
4-Nitrophenol	mg/kg dry wt	ND	01/22/09	FD	0.72			
Pentachlorophenol	mg/kg dry wt	ND	01/22/09	FD	0.36			
Phenanthrene	mg/kg dry wt	ND	01/22/09	FD	0.180			
Phenol	mg/kg dry wt	ND	01/22/09	FD	0.36			
Pyrene	mg/kg dry wt	ND	01/22/09	FD	0.180			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/22/09	FD	0.36			
2,4,5-Trichlorophenol	mg/kg dry wt	ND	01/22/09	FD	0.36			
2,4,6-Trichlorophenol	mg/kg dry wt	ND	01/22/09	FD	0.36			

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TRC SOLUTIONS - LOWELL
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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-24 (7)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01567 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extraction Date 8270		1/22/2009	01/22/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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NM = Not Measured

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‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/23/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009

LIMS-BAT #: LIMT-22742
Job Number: 115058

Field Sample # : TRC-23 (1)

Sample ID : 09B01569 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.023	01/23/09	KM	0.012			

Field Sample # : TRC-23 (12)

Sample ID : 09B01571 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/23/09	KM	0.012			

Field Sample # : TRC-23 (8)

Sample ID : 09B01570 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/23/09	KM	0.017			

Field Sample # : TRC-24 (1)

Sample ID : 09B01566 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.072	01/23/09	KM	0.017			

Field Sample # : TRC-24 (12)

Sample ID : 09B01568 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/23/09	KM	0.012			

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650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009

LIMS-BAT #: LIMT-22742
Job Number: 115058

Field Sample # : TRC-24 (7)

Sample ID : 09B01567 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/23/09	KM	0.018			

Field Sample # : TRC-25 (1)

Sample ID : 09B01572 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/23/09	KM	0.012			

Field Sample # : TRC-25 (5)

Sample ID : 09B01573 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.066	01/23/09	KM	0.026			

Field Sample # : TRC-25 (8)

Sample ID : 09B01574 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/23/09	KM	0.019			

Field Sample # : TRC-26 (1)

Sample ID : 09B01575 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.027	01/23/09	KM	0.015			

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650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/23/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009

LIMS-BAT #: LIMT-22742
Job Number: 115058

Field Sample # : TRC-26 (5)

Sample ID : 09B01576 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/23/09	KM	0.017			

Field Sample # : TRC-26 (9)QC

Sample ID : 09B01577 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/23/09	KM	0.015			

Field Sample # : TRC-27 (1)

Sample ID : 09B01578 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.039	01/23/09	KM	0.012			

Field Sample # : TRC-27 (5)

Sample ID : 09B01579 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.031	01/23/09	KM	0.022			

Field Sample # : TRC-27 (7)

Sample ID : 09B01580 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.028	01/23/09	KM	0.027			

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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009

LIMS-BAT #: LIMT-22742
Job Number: 115058

Analytical Method:
SW846 3050/7471
SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

RL = Reporting Limit

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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-23 (1)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01569

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/23/09	FD	0.188			
Acenaphthylene	mg/kg dry wt	ND	01/23/09	FD	0.188			
Anthracene	mg/kg dry wt	ND	01/23/09	FD	0.188			
Benzo(a)anthracene	mg/kg dry wt	0.204	01/23/09	FD	0.188			
Benzo(a)pyrene	mg/kg dry wt	ND	01/23/09	FD	0.188			
Benzo(b)fluoranthene	mg/kg dry wt	0.204	01/23/09	FD	0.188			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/23/09	FD	0.188			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.188			
Chrysene	mg/kg dry wt	0.206	01/23/09	FD	0.188			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/23/09	FD	0.188			
Fluoranthene	mg/kg dry wt	0.375	01/23/09	FD	0.188			
Fluorene	mg/kg dry wt	ND	01/23/09	FD	0.188			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/23/09	FD	0.188			
2-Methylnaphthalene	mg/kg dry wt	ND	01/23/09	FD	0.188			
Naphthalene	mg/kg dry wt	ND	01/23/09	FD	0.188			
Phenanthrene	mg/kg dry wt	0.299	01/23/09	FD	0.188			
Pyrene	mg/kg dry wt	0.293	01/23/09	FD	0.188			
Extraction Date 8270		1/22/2009	01/23/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-23 (12)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01571

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Acenaphthylene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Anthracene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Benzo(a)anthracene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Benzo(a)pyrene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Chrysene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Fluorene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/23/09	FD	0.183			
2-Methylnaphthalene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Naphthalene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Phenanthrene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Pyrene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Extraction Date 8270		1/22/2009	01/23/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-24 (1)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01566 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	FD	0.205			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	FD	0.205			
Anthracene	mg/kg dry wt	ND	01/22/09	FD	0.205			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.205			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.205			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.205			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	FD	0.205			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.205			
Chrysene	mg/kg dry wt	ND	01/22/09	FD	0.205			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.205			
Fluoranthene	mg/kg dry wt	0.421	01/22/09	FD	0.205			
Fluorene	mg/kg dry wt	ND	01/22/09	FD	0.205			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.205			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	FD	0.205			
Naphthalene	mg/kg dry wt	ND	01/22/09	FD	0.205			
Phenanthrene	mg/kg dry wt	0.226	01/22/09	FD	0.205			
Pyrene	mg/kg dry wt	0.290	01/22/09	FD	0.205			
Extraction Date 8270		1/22/2009	01/22/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-24 (12)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01568 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Acenaphthylene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Anthracene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Benzo(a)anthracene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Benzo(a)pyrene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Chrysene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Fluorene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/23/09	FD	0.180			
2-Methylnaphthalene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Naphthalene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Phenanthrene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Pyrene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Extraction Date 8270		1/22/2009	01/23/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-25 (1)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01572

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Anthracene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Chrysene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Fluorene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.368			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Naphthalene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Phenanthrene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Pyrene	mg/kg dry wt	ND	01/22/09	FD	0.368			
Extraction Date 8270		1/22/2009	01/22/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-25 (5)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01573

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Anthracene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Chrysene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Fluorene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.268			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Naphthalene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Phenanthrene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Pyrene	mg/kg dry wt	ND	01/22/09	FD	0.268			
Extraction Date 8270		1/22/2009	01/22/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-25 (8)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01574 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Acenaphthylene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Anthracene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Benzo(a)anthracene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Benzo(a)pyrene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Chrysene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Fluorene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/23/09	FD	0.179			
2-Methylnaphthalene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Naphthalene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Phenanthrene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Pyrene	mg/kg dry wt	ND	01/23/09	FD	0.179			
Extraction Date 8270		1/22/2009	01/23/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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con-test® ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-26 (1)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01575

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Anthracene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Chrysene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Fluorene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.190			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Naphthalene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Phenanthrene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Pyrene	mg/kg dry wt	ND	01/22/09	FD	0.190			
Extraction Date 8270		1/22/2009	01/22/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-26 (5)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01576 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Acenaphthylene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Anthracene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Benzo(a)anthracene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Benzo(a)pyrene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Chrysene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Fluorene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/23/09	FD	0.180			
2-Methylnaphthalene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Naphthalene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Phenanthrene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Pyrene	mg/kg dry wt	ND	01/23/09	FD	0.180			
Extraction Date 8270		1/22/2009	01/23/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-26 (9)QC

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : *09B01577

‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Acenaphthylene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Anthracene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Benzo(a)anthracene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Benzo(a)pyrene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Chrysene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Fluoranthene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Fluorene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/23/09	FD	0.183			
2-Methylnaphthalene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Naphthalene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Phenanthrene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Pyrene	mg/kg dry wt	ND	01/23/09	FD	0.183			
Extraction Date 8270		1/22/2009	01/23/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-27 (1)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01578 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	FD	0.197			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	FD	0.197			
Anthracene	mg/kg dry wt	ND	01/22/09	FD	0.197			
Benzo(a)anthracene	mg/kg dry wt	0.331	01/22/09	FD	0.197			
Benzo(a)pyrene	mg/kg dry wt	0.279	01/22/09	FD	0.197			
Benzo(b)fluoranthene	mg/kg dry wt	0.313	01/22/09	FD	0.197			
Benzo(g,h,i)perylene	mg/kg dry wt	0.225	01/22/09	FD	0.197			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.197			
Chrysene	mg/kg dry wt	0.358	01/22/09	FD	0.197			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.197			
Fluoranthene	mg/kg dry wt	0.685	01/22/09	FD	0.197			
Fluorene	mg/kg dry wt	ND	01/22/09	FD	0.197			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.237	01/22/09	FD	0.197			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	FD	0.197			
Naphthalene	mg/kg dry wt	ND	01/22/09	FD	0.197			
Phenanthrene	mg/kg dry wt	0.662	01/22/09	FD	0.197			
Pyrene	mg/kg dry wt	0.676	01/22/09	FD	0.197			
Extraction Date 8270		1/22/2009	01/22/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-27 (5)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01579 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Anthracene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Chrysene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Fluorene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.183			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Naphthalene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Phenanthrene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Pyrene	mg/kg dry wt	ND	01/22/09	FD	0.183			
Extraction Date 8270		1/22/2009	01/22/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
Field Sample # : TRC-27 (7)

LIMS-BAT #: LIMT-22742
Job Number: 115058

Sample ID : 09B01580 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Acenaphthylene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Anthracene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Benzo(a)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Benzo(a)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Chrysene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Fluoranthene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Fluorene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/22/09	FD	0.198			
2-Methylnaphthalene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Naphthalene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Phenanthrene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Pyrene	mg/kg dry wt	ND	01/22/09	FD	0.198			
Extraction Date 8270		1/22/2009	01/22/09	FD				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/23/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009

LIMS-BAT #: LIMT-22742
Job Number: 115058

Field Sample # : TRC-23 (1)

Sample ID : 09B01569 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	88.8	01/23/09	FD				

Field Sample # : TRC-23 (12)

Sample ID : 09B01571 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	91.2	01/23/09	FD				

Field Sample # : TRC-23 (8)

Sample ID : 09B01570 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	96.7	01/23/09	FD				

Field Sample # : TRC-24 (1)

Sample ID : 09B01566 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	81.6	01/23/09	FD				

Field Sample # : TRC-24 (12)

Sample ID : 09B01568 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	92.6	01/23/09	FD				

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NM = Not Measured

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LOWELL, MA 01852

Purchase Order No.:

1/23/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009

LIMS-BAT #: LIMT-22742
Job Number: 115058

Field Sample # : TRC-24 (7)

Sample ID : 09B01567 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	93.0	01/23/09	FD				

Field Sample # : TRC-25 (1)

Sample ID : 09B01572 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	90.8	01/23/09	FD				

Field Sample # : TRC-25 (5)

Sample ID : 09B01573 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	62.3	01/23/09	FD				

Field Sample # : TRC-25 (8)

Sample ID : 09B01574 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	93.5	01/23/09	FD				

Field Sample # : TRC-26 (1)

Sample ID : 09B01575 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	88.1	01/23/09	FD				

RL = Reporting Limit

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NM = Not Measured

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009

LIMS-BAT #: LIMT-22742
Job Number: 115058

Field Sample # : TRC-26 (5)

Sample ID : 09B01576 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	92.7	01/23/09	FD				

Field Sample # : TRC-26 (9)QC

Sample ID : 09B01577 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	91.5	01/23/09	FD				

Field Sample # : TRC-27 (1)

Sample ID : 09B01578 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	84.9	01/23/09	FD				

Field Sample # : TRC-27 (5)

Sample ID : 09B01579 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	91.3	01/23/09	FD				

Field Sample # : TRC-27 (7)

Sample ID : 09B01580 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	84.3	01/23/09	FD				

RL = Reporting Limit

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NM = Not Measured

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009

LIMS-BAT #: LIMT-22742
Job Number: 115058

Analytical Method:

SM 2540G

PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

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con-test ANALYTICAL LABORATORY

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650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/23/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009

LIMS-BAT #: LIMT-22742
Job Number: 115058

Field Sample # : TRC-23 (8)

Sample ID : 09B01582 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/23/09	OP	0.010		5	P
Barium	mg/l leachate	0.13	01/23/09	OP	0.10		100	P
Cadmium	mg/l leachate	ND	01/23/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	01/23/09	OP	0.01		5	P
Lead	mg/l leachate	0.017	01/23/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	01/23/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/23/09	OP	0.05		1	P
Silver	mg/l leachate	ND	01/23/09	OP	0.005		5	P

Field Sample # : TRC-24 (7)

Sample ID : 09B01581 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/23/09	OP	0.010		5	P
Barium	mg/l leachate	0.11	01/23/09	OP	0.10		100	P
Cadmium	mg/l leachate	ND	01/23/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	01/23/09	OP	0.01		5	P
Lead	mg/l leachate	ND	01/23/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	01/23/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/23/09	OP	0.05		1	P
Silver	mg/l leachate	ND	01/23/09	OP	0.005		5	P

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650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/23/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009

LIMS-BAT #: LIMT-22742
Job Number: 115058

Analytical Method:

SW846 1311/6010 1311/7470

SW846 1311 TCLP EXTRACTION. SAMPLES ARE EXTRACTED FOR 18-24 HOURS INTO A pH 5.0 BUFFER SOLUTION TO PRODUCE A LEACHATE. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

SW846 6010 ARSENIC, BARIUM, CADMIUM, CHROMIUM, LEAD, SELENIUM AND SILVER LEACHATES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY.

SW846 7470 MERCURY LEACHATE IS ANALYZED BY COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY.

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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009
LIMS-BAT #: LIMT-22742
Job Number: 115058

Field Sample # : TRC-23 (8)

Sample ID : 09B01570 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unknown Hydrocarbons	mg/kg dry wt	ND	01/23/09	PJG	8.7			

Field Sample # : TRC-24 (7)

Sample ID : 09B01567 ‡Sampled : 1/22/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unknown Hydrocarbons	mg/kg dry wt	ND	01/23/09	PJG	9.0			

Analytical Method:
MODIFIED SW846 8100
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE AND ANALYZED BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION (FID). ALL PEAKS ELUTING IN THE PETROLEUM FUEL REGION ARE QUANTITATED AS #2 FUEL OIL.

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LOWELL, MA 01852

1/23/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/22/2009

LIMS-BAT #: LIMT-22742
Job Number: 115058

The following notes were attached to the reported analysis :

Sample ID: * 09B01577

Analysis: Fluoranthene

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT DUPLICATE MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GC/FID-22964

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01567					
	Terphenyl	Surrogate Recovery	60.0	%	50-150
09B01570					
	Terphenyl	Surrogate Recovery	72.2	%	50-150
BLANK-128752					
	Unknown Hydrocarbons	Blank	<8.4	mg/kg dry wt	
LFBLANK-90810					
	Unknown Hydrocarbons	Lab Fort Blank Amt.	33.3	mg/kg dry wt	
		Lab Fort Blk. Found	27.3	mg/kg dry wt	
		Lab Fort Blk. % Rec.	81.9	%	
		Dup Lab Fort Bl Amt.	33.3	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	27.5	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	82.6	%	
		Lab Fort Blank Range	0.6	units	
		Lab Fort Bl. Av. Rec	82.2	%	
		LFB Duplicate RPD	0.8	%	

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QC SUMMARY REPORT

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01566					
	Phenol-d6	Surrogate Recovery	47.5	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	41.5	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	47.2	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	44.2	%	30-130
	Terphenyl-d14	Surrogate Recovery	54.2	%	30-130
	2-Fluorophenol	Surrogate Recovery	48.8	%	30-130
09B01567					
	Phenol-d6	Surrogate Recovery	47.0	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	49.6	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	45.3	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	51.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	54.4	%	30-130
	2-Fluorophenol	Surrogate Recovery	53.4	%	30-130
09B01568					
	Phenol-d6	Surrogate Recovery	65.5	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	63.6	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	61.8	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	52.2	%	30-130
	Terphenyl-d14	Surrogate Recovery	70.7	%	30-130
	2-Fluorophenol	Surrogate Recovery	73.2	%	30-130
09B01569					
	Phenol-d6	Surrogate Recovery	60.4	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	65.7	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	62.6	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	63.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	51.1	%	30-130
	2-Fluorophenol	Surrogate Recovery	72.5	%	30-130
09B01570					
	Phenol-d6	Surrogate Recovery	47.1	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	44.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	42.2	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	38.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	48.6	%	30-130
	2-Fluorophenol	Surrogate Recovery	50.8	%	30-130
09B01571					
	Phenol-d6	Surrogate Recovery	62.5	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	59.8	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	59.1	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	56.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	69.0	%	30-130
	2-Fluorophenol	Surrogate Recovery	69.9	%	30-130
09B01572					
	Phenol-d6	Surrogate Recovery	45.8	%	30-130

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01572					
	Nitrobenzene-d5	Surrogate Recovery	37.1	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	46.7	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	40.9	%	30-130
	Terphenyl-d14	Surrogate Recovery	82.9	%	30-130
	2-Fluorophenol	Surrogate Recovery	45.9	%	30-130
09B01573					
	Phenol-d6	Surrogate Recovery	67.0	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	55.3	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	74.3	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	52.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	96.7	%	30-130
	2-Fluorophenol	Surrogate Recovery	67.2	%	30-130
09B01574					
	Phenol-d6	Surrogate Recovery	41.1	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	43.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	46.2	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	34.9	%	30-130
	Terphenyl-d14	Surrogate Recovery	42.3	%	30-130
	2-Fluorophenol	Surrogate Recovery	46.5	%	30-130
09B01575					
	Phenol-d6	Surrogate Recovery	49.2	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	40.3	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	51.0	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	39.7	%	30-130
	Terphenyl-d14	Surrogate Recovery	82.9	%	30-130
	2-Fluorophenol	Surrogate Recovery	49.7	%	30-130
09B01576					
	Phenol-d6	Surrogate Recovery	27.4	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	36.6	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	35.7	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	31.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	40.4	%	30-130
	2-Fluorophenol	Surrogate Recovery	38.9	%	30-130
09B01577					
	Naphthalene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.800	mg/kg dry wt	
		Matrix Spike % Rec.	43.940	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.788	mg/kg dry wt	
		MSD % Recovery	43.300	%	
		MSD Range	0.639	units	
		MS Duplicate RPD	1.467	%	0-30

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Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01577					
	Acenaphthene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.831	mg/kg dry wt	
		Matrix Spike % Rec.	45.660	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.837	mg/kg dry wt	
		MSD % Recovery	45.980	%	
		MSD Range	0.320	units	
		MS Duplicate RPD	0.698	%	0-30
	Acenaphthylene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.830	mg/kg dry wt	
		Matrix Spike % Rec.	45.580	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.843	mg/kg dry wt	
		MSD % Recovery	46.300	%	
		MSD Range	0.720	units	
		MS Duplicate RPD	1.567	%	0-30
	Anthracene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.862	mg/kg dry wt	
		Matrix Spike % Rec.	47.340	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.870	mg/kg dry wt	
		MSD % Recovery	47.780	%	
		MSD Range	0.439	units	
		MS Duplicate RPD	0.925	%	0-30
	Benzo(a)anthracene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.876	mg/kg dry wt	
		Matrix Spike % Rec.	48.120	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.869	mg/kg dry wt	
		MSD % Recovery	47.760	%	
		MSD Range	0.359	units	
		MS Duplicate RPD	0.750	%	0-30
	Benzo(a)pyrene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.865	mg/kg dry wt	
		Matrix Spike % Rec.	47.520	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.868	mg/kg dry wt	
		MSD % Recovery	47.680	%	

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QC SUMMARY REPORT

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Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01577					
	Benzo(a)pyrene	MSD Range	0.160	units	
		MS Duplicate RPD	0.336	%	0-30
	Benzo(b)fluoranthene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.738	mg/kg dry wt	
		Matrix Spike % Rec.	40.540	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.733	mg/kg dry wt	
		MSD % Recovery	40.260	%	
		MSD Range	0.279	units	
		MS Duplicate RPD	0.693	%	0-30
	Benzo(g,h,i)perylene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.907	mg/kg dry wt	
		Matrix Spike % Rec.	49.840	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.832	mg/kg dry wt	
		MSD % Recovery	45.720	%	
		MSD Range	4.119	units	
		MS Duplicate RPD	8.622	%	0-30
	Chrysene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.907	mg/kg dry wt	
		Matrix Spike % Rec.	49.840	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.893	mg/kg dry wt	
		MSD % Recovery	49.080	%	
		MSD Range	0.759	units	
		MS Duplicate RPD	1.536	%	0-30
	Dibenz(a,h)anthracene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.967	mg/kg dry wt	
		Matrix Spike % Rec.	53.120	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.915	mg/kg dry wt	
		MSD % Recovery	50.280	%	
		MSD Range	2.840	units	
		MS Duplicate RPD	5.493	%	0-30
	Fluoranthene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.705	mg/kg dry wt	
		Matrix Spike % Rec.	38.720	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	

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QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01577					
	Fluoranthene	MSD Amt Measured	0.761	mg/kg dry wt	
		MSD % Recovery	41.800	%	
		MSD Range	3.080	units	
		MS Duplicate RPD	7.650	%	0-30
	Fluorene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.804	mg/kg dry wt	
		Matrix Spike % Rec.	44.160	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.733	mg/kg dry wt	
		MSD % Recovery	40.260	%	
		MSD Range	3.899	units	
		MS Duplicate RPD	9.239	%	0-30
	Indeno(1,2,3-cd)pyrene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.947	mg/kg dry wt	
		Matrix Spike % Rec.	52.000	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.887	mg/kg dry wt	
		MSD % Recovery	48.740	%	
		MSD Range	3.260	units	
		MS Duplicate RPD	6.472	%	0-30
	2-Methylnaphthalene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.832	mg/kg dry wt	
		Matrix Spike % Rec.	45.700	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.809	mg/kg dry wt	
		MSD % Recovery	44.440	%	
		MSD Range	1.260	units	
		MS Duplicate RPD	2.795	%	0-30
	Phenanthrene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.853	mg/kg dry wt	
		Matrix Spike % Rec.	46.880	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.848	mg/kg dry wt	
		MSD % Recovery	46.600	%	
		MSD Range	0.280	units	
		MS Duplicate RPD	0.599	%	0-30
	Pyrene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	1.015	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01577					
	Pyrene	Matrix Spike % Rec.	55.760	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.837	mg/kg dry wt	
		MSD % Recovery	45.960	%	
		MSD Range	9.799	units	
		MS Duplicate RPD	19.268	%	0-30
	Benzo(k)fluoranthene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.821	mg/kg dry wt	
		MS Amt Measured	0.816	mg/kg dry wt	
		Matrix Spike % Rec.	44.840	%	40-140
		MSD Amount Added	1.821	mg/kg dry wt	
		MSD Amt Measured	0.802	mg/kg dry wt	
		MSD % Recovery	44.080	%	
		MSD Range	0.759	units	
		MS Duplicate RPD	1.709	%	0-30
	Phenol-d6	Surrogate Recovery	58.6	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	57.7	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	55.7	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	46.2	%	30-130
	Terphenyl-d14	Surrogate Recovery	59.3	%	30-130
	2-Fluorophenol	Surrogate Recovery	66.7	%	30-130
09B01578					
	Phenol-d6	Surrogate Recovery	60.0	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	57.1	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	56.5	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	54.5	%	30-130
	Terphenyl-d14	Surrogate Recovery	63.6	%	30-130
	2-Fluorophenol	Surrogate Recovery	64.6	%	30-130
09B01579					
	Phenol-d6	Surrogate Recovery	51.6	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	51.1	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	49.0	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	45.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	59.7	%	30-130
	2-Fluorophenol	Surrogate Recovery	57.9	%	30-130
09B01580					
	Phenol-d6	Surrogate Recovery	52.6	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	48.7	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	47.2	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	42.5	%	30-130
	Terphenyl-d14	Surrogate Recovery	53.3	%	30-130
	2-Fluorophenol	Surrogate Recovery	55.5	%	30-130
BLANK-128742					

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128742					
	1,4-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	Naphthalene	Blank	<0.167	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	1,3-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	Acenaphthene	Blank	<0.167	mg/kg dry wt	
	Acenaphthylene	Blank	<0.167	mg/kg dry wt	
	Aniline	Blank	<0.34	mg/kg dry wt	
	Anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.167	mg/kg dry wt	
	Bis(2-chloroethyl)ether	Blank	<0.34	mg/kg dry wt	
	Bis(2-chloroethoxy)methane	Blank	<0.34	mg/kg dry wt	
	Bis(2-chloroisopropyl)ether	Blank	<0.34	mg/kg dry wt	
	Bis(2-ethylhexyl)phthalate	Blank	<0.34	mg/kg dry wt	
	4-Bromophenyl phenyl ether	Blank	<0.34	mg/kg dry wt	
	Butylbenzylphthalate	Blank	<0.67	mg/kg dry wt	
	4-Chloroaniline	Blank	<0.67	mg/kg dry wt	
	2-Chloronaphthalene	Blank	<0.34	mg/kg dry wt	
	Chrysene	Blank	<0.167	mg/kg dry wt	
	Dibenz(a,h)anthracene	Blank	<0.167	mg/kg dry wt	
	Dibenzofuran	Blank	<0.34	mg/kg dry wt	
	3,3'-Dichlorobenzidine	Blank	<0.17	mg/kg dry wt	
	Diethylphthalate	Blank	<0.34	mg/kg dry wt	
	Dimethylphthalate	Blank	<0.67	mg/kg dry wt	
	Di-n-butylphthalate	Blank	<0.34	mg/kg dry wt	
	2,4-Dinitrotoluene	Blank	<0.34	mg/kg dry wt	
	2,6-Dinitrotoluene	Blank	<0.34	mg/kg dry wt	
	1,2-Diphenylhydrazine (as Azobenzene)	Blank	<0.34	mg/kg dry wt	
	Di-n-octylphthalate	Blank	<0.67	mg/kg dry wt	
	Fluoranthene	Blank	<0.167	mg/kg dry wt	
	Fluorene	Blank	<0.167	mg/kg dry wt	
	Hexachlorobenzene	Blank	<0.34	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.34	mg/kg dry wt	
	Hexachloroethane	Blank	<0.34	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.167	mg/kg dry wt	
	Isophorone	Blank	<0.34	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.167	mg/kg dry wt	
	Nitrobenzene	Blank	<0.34	mg/kg dry wt	
	Phenanthrene	Blank	<0.167	mg/kg dry wt	
	Pyrene	Blank	<0.167	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.34	mg/kg dry wt	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128742					
	2-Chlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dichlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dimethylphenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dinitrophenol	Blank	<0.67	mg/kg dry wt	
	o-cresol	Blank	<0.34	mg/kg dry wt	
	m & p-cresol(s)	Blank	<0.34	mg/kg dry wt	
	2-Nitrophenol	Blank	<0.34	mg/kg dry wt	
	4-Nitrophenol	Blank	<0.67	mg/kg dry wt	
	Phenol	Blank	<0.34	mg/kg dry wt	
	2,4,5-Trichlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4,6-Trichlorophenol	Blank	<0.34	mg/kg dry wt	
	Pentachlorophenol	Blank	<0.34	mg/kg dry wt	
	Benzo(k)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Acetophenone	Blank	<0.34	mg/kg dry wt	
LFBLANK-90805					
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.03	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.08	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.10	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.25	%	
		Lab Fort Blank Range	4.17	units	
		Lab Fort Bl. Av. Rec	64.16	%	
		LFB Duplicate RPD	6.51	%	0-30
	Naphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.902	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.139	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.981	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.879	%	
		Lab Fort Blank Range	4.740	units	
		Lab Fort Bl. Av. Rec	56.509	%	
		LFB Duplicate RPD	8.387	%	0-30
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.01	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.91	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.09	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.75	%	
		Lab Fort Blank Range	4.84	units	
		Lab Fort Bl. Av. Rec	63.33	%	
		LFB Duplicate RPD	7.64	%	0-30
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90805					
	1,3-Dichlorobenzene	Lab Fort Blk. Found	0.99	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.73	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.08	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.09	%	
		Lab Fort Blank Range	5.36	units	
		Lab Fort Bl. Av. Rec	62.41	%	
		LFB Duplicate RPD	8.58	%	0-30
	Acenaphthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.922	mg/kg dry wt	
		Lab Fort Blk. % Rec.	55.339	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.008	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	60.479	%	
		Lab Fort Blank Range	5.140	units	
		Lab Fort Bl. Av. Rec	57.909	%	
		LFB Duplicate RPD	8.875	%	0-30
	Acenaphthylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.940	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.439	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	61.319	%	
		Lab Fort Blank Range	4.879	units	
		Lab Fort Bl. Av. Rec	58.879	%	
		LFB Duplicate RPD	8.288	%	0-30
	Aniline	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.67	mg/kg dry wt	
		Lab Fort Blk. % Rec.	40.33	%	10-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.77	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	46.73	%	
		Lab Fort Blank Range	6.40	units	
		Lab Fort Bl. Av. Rec	43.53	%	
		LFB Duplicate RPD	14.69	%	0-50
	Anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.964	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.879	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.054	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.239	%	
		Lab Fort Blank Range	5.359	units	
		Lab Fort Bl. Av. Rec	60.559	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90805					
	Anthracene	LFB Duplicate RPD	8.850	%	0-30
	Benzo(a)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.982	mg/kg dry wt	
		Lab Fort Blk. % Rec.	58.959	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.068	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	64.099	%	
		Lab Fort Blank Range	5.139	units	
		Lab Fort Bl. Av. Rec	61.529	%	
		LFB Duplicate RPD	8.353	%	0-30
	Benzo(a)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.974	mg/kg dry wt	
		Lab Fort Blk. % Rec.	58.439	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.045	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	62.699	%	
		Lab Fort Blank Range	4.260	units	
		Lab Fort Bl. Av. Rec	60.569	%	
		LFB Duplicate RPD	7.033	%	0-30
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.860	mg/kg dry wt	
		Lab Fort Blk. % Rec.	51.619	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.926	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	55.579	%	
		Lab Fort Blank Range	3.960	units	
		Lab Fort Bl. Av. Rec	53.599	%	
		LFB Duplicate RPD	7.388	%	0-30
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.126	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.579	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.221	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	73.259	%	
		Lab Fort Blank Range	5.680	units	
		Lab Fort Bl. Av. Rec	70.419	%	
		LFB Duplicate RPD	8.065	%	0-30
	Bis(2-chloroethyl)ether	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.13	mg/kg dry wt	
		Lab Fort Blk. % Rec.	68.11	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.24	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.89	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90805					
	Bis(2-chloroethyl)ether	Lab Fort Blank Range	6.77	units	
		Lab Fort Bl. Av. Rec	71.50	%	
		LFB Duplicate RPD	9.48	%	0-30
	Bis(2-chloroethoxy)methane	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.09	mg/kg dry wt	
		Lab Fort Blk. % Rec.	65.44	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.17	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	70.61	%	
		Lab Fort Blank Range	5.17	units	
		Lab Fort Bl. Av. Rec	68.03	%	
		LFB Duplicate RPD	7.61	%	0-30
	Bis(2-chloroisopropyl)ether	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.11	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.59	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.16	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.71	%	
		Lab Fort Blank Range	3.12	units	
		Lab Fort Bl. Av. Rec	68.15	%	
		LFB Duplicate RPD	4.57	%	0-30
	Bis(2-ethylhexyl)phthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.21	mg/kg dry wt	
		Lab Fort Blk. % Rec.	73.00	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.27	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	76.42	%	
		Lab Fort Blank Range	3.41	units	
		Lab Fort Bl. Av. Rec	74.71	%	
		LFB Duplicate RPD	4.57	%	0-30
	4-Bromophenyl phenyl ether	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.25	mg/kg dry wt	
		Lab Fort Blk. % Rec.	75.40	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.27	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	76.37	%	
		Lab Fort Blank Range	0.97	units	
		Lab Fort Bl. Av. Rec	75.89	%	
		LFB Duplicate RPD	1.29	%	0-30
	Butylbenzylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.22	mg/kg dry wt	
		Lab Fort Blk. % Rec.	73.30	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90805					
	Butylbenzylphthalate	Dup Lab Fort Bl. Fnd	1.25	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	75.40	%	
		Lab Fort Blank Range	2.09	units	
		Lab Fort Bl. Av. Rec	74.35	%	
		LFB Duplicate RPD	2.82	%	0-30
	4-Chloroaniline	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.27	mg/kg dry wt	
		Lab Fort Blk. % Rec.	16.39	%	10-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.18	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	11.36	%	
		Lab Fort Blank Range	5.03	units	
		Lab Fort Bl. Av. Rec	13.88	%	
		LFB Duplicate RPD	36.31	%	0-30
	2-Chloronaphthalene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.95	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.07	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.07	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	64.21	%	
		Lab Fort Blank Range	7.13	units	
		Lab Fort Bl. Av. Rec	60.64	%	
		LFB Duplicate RPD	11.77	%	0-30
	Chrysene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.199	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.105	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.319	%	
		Lab Fort Blank Range	5.119	units	
		Lab Fort Bl. Av. Rec	63.759	%	
		LFB Duplicate RPD	8.030	%	0-30
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.081	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.900	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.151	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.100	%	
		Lab Fort Blank Range	4.199	units	
		Lab Fort Bl. Av. Rec	67.000	%	
		LFB Duplicate RPD	6.268	%	0-30
	Dibenzofuran	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.99	mg/kg dry wt	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90805					
	Dibenzofuran	Lab Fort Blk. % Rec.	59.95	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.08	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.11	%	
		Lab Fort Blank Range	5.15	units	
		Lab Fort Bl. Av. Rec	62.53	%	
		LFB Duplicate RPD	8.25	%	0-30
	3,3'-Dichlorobenzidine	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.70	mg/kg dry wt	
		Lab Fort Blk. % Rec.	41.99	%	20-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.73	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	44.19	%	
		Lab Fort Blank Range	2.20	units	
		Lab Fort Bl. Av. Rec	43.09	%	
		LFB Duplicate RPD	5.10	%	0-50
	Diethylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.98	mg/kg dry wt	
		Lab Fort Blk. % Rec.	58.87	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.03	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	61.99	%	
		Lab Fort Blank Range	3.11	units	
		Lab Fort Bl. Av. Rec	60.43	%	
		LFB Duplicate RPD	5.16	%	0-30
	Dimethylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.08	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.97	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.11	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.73	%	
		Lab Fort Blank Range	1.75	units	
		Lab Fort Bl. Av. Rec	65.85	%	
		LFB Duplicate RPD	2.67	%	0-30
	Di-n-butylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.11	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.88	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.23	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.33	%	
		Lab Fort Blank Range	7.45	units	
		Lab Fort Bl. Av. Rec	70.60	%	
		LFB Duplicate RPD	10.56	%	0-30

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90805					
	2,4-Dinitrotoluene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.87	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.37	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.97	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.31	%	
		Lab Fort Blank Range	5.94	units	
		Lab Fort Bl. Av. Rec	55.34	%	
		LFB Duplicate RPD	10.73	%	0-30
	2,6-Dinitrotoluene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.87	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.37	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.97	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.31	%	
		Lab Fort Blank Range	5.94	units	
		Lab Fort Bl. Av. Rec	55.34	%	
		LFB Duplicate RPD	10.73	%	0-30
	1,2-Diphenylhydrazine (as Azobenzene)	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.34	mg/kg dry wt	
		Lab Fort Blk. % Rec.	80.86	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.33	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	80.27	%	
		Lab Fort Blank Range	0.58	units	
		Lab Fort Bl. Av. Rec	80.56	%	
		LFB Duplicate RPD	0.71	%	0-30
	Di-n-octylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.01	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.13	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.07	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	64.55	%	
		Lab Fort Blank Range	3.41	units	
		Lab Fort Bl. Av. Rec	62.84	%	
		LFB Duplicate RPD	5.44	%	0-30
	Fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.810	mg/kg dry wt	
		Lab Fort Blk. % Rec.	48.619	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.048	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	62.920	%	
		Lab Fort Blank Range	14.300	units	

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Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90805					
	Fluoranthene	Lab Fort Bl. Av. Rec	55.770	%	
		LFB Duplicate RPD	25.641	%	0-30
	Fluorene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.854	mg/kg dry wt	
		Lab Fort Blk. % Rec.	51.279	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.933	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	56.019	%	
		Lab Fort Blank Range	4.739	units	
		Lab Fort Bl. Av. Rec	53.649	%	
		LFB Duplicate RPD	8.835	%	0-30
	Hexachlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.11	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.06	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.17	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	70.19	%	
		Lab Fort Blank Range	3.13	units	
		Lab Fort Bl. Av. Rec	68.63	%	
		LFB Duplicate RPD	4.57	%	0-30
	Hexachlorobutadiene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.99	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.81	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.13	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.97	%	
		Lab Fort Blank Range	8.15	units	
		Lab Fort Bl. Av. Rec	63.89	%	
		LFB Duplicate RPD	12.76	%	0-30
	Hexachloroethane	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.00	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.23	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.08	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	64.96	%	
		Lab Fort Blank Range	4.72	units	
		Lab Fort Bl. Av. Rec	62.60	%	
		LFB Duplicate RPD	7.53	%	0-30
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.136	mg/kg dry wt	
		Lab Fort Blk. % Rec.	68.179	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.217	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90805					
	Indeno(1,2,3-cd)pyrene	Dup Lab Fort Bl %Rec	73.039	%	
		Lab Fort Blank Range	4.859	units	
		Lab Fort Bl. Av. Rec	70.609	%	
		LFB Duplicate RPD	6.882	%	0-30
	Isophorone	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.06	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.73	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.10	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.55	%	
		Lab Fort Blank Range	2.82	units	
		Lab Fort Bl. Av. Rec	65.14	%	
		LFB Duplicate RPD	4.32	%	0-30
	2-Methylnaphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.956	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.359	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.955	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	57.319	%	
		Lab Fort Blank Range	0.039	units	
		Lab Fort Bl. Av. Rec	57.339	%	
		LFB Duplicate RPD	0.069	%	0-30
	Nitrobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.98	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.33	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.10	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.35	%	
		Lab Fort Blank Range	7.01	units	
		Lab Fort Bl. Av. Rec	62.84	%	
		LFB Duplicate RPD	11.16	%	0-30
	Phenanthrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.962	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.759	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.045	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	62.740	%	
		Lab Fort Blank Range	4.980	units	
		Lab Fort Bl. Av. Rec	60.250	%	
		LFB Duplicate RPD	8.265	%	0-30
	Pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.988	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.299	%	40-140

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90805					
	Pyrene	Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.000	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	60.019	%	
		Lab Fort Blank Range	0.719	units	
		Lab Fort Bl. Av. Rec	59.659	%	
		LFB Duplicate RPD	1.206	%	0-30
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.01	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.79	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.11	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	66.89	%	
		Lab Fort Blank Range	6.10	units	
		Lab Fort Bl. Av. Rec	63.84	%	
		LFB Duplicate RPD	9.55	%	0-30
	2-Chlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.12	mg/kg dry wt	
		Lab Fort Blk. % Rec.	67.45	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.19	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	71.44	%	
		Lab Fort Blank Range	3.98	units	
		Lab Fort Bl. Av. Rec	69.44	%	
		LFB Duplicate RPD	5.73	%	0-30
	2,4-Dichlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.03	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.87	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.05	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.41	%	
		Lab Fort Blank Range	1.54	units	
		Lab Fort Bl. Av. Rec	62.64	%	
		LFB Duplicate RPD	2.45	%	0-30
	2,4-Dimethylphenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.02	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.39	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.08	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	64.81	%	
		Lab Fort Blank Range	3.41	units	
		Lab Fort Bl. Av. Rec	63.10	%	
		LFB Duplicate RPD	5.41	%	0-30
	2,4-Dinitrophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90805					
	2,4-Dinitrophenol	Lab Fort Blk. Found	0.55	mg/kg dry wt	
		Lab Fort Blk. % Rec.	33.10	%	10-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.74	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	44.55	%	
		Lab Fort Blank Range	11.46	units	
		Lab Fort Bl. Av. Rec	38.82	%	
		LFB Duplicate RPD	29.51	%	0-30
	o-cresol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.08	mg/kg dry wt	
		Lab Fort Blk. % Rec.	64.91	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.15	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.52	%	
		Lab Fort Blank Range	4.60	units	
		Lab Fort Bl. Av. Rec	67.22	%	
		LFB Duplicate RPD	6.84	%	0-30
	m & p-cresol(s)	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.09	mg/kg dry wt	
		Lab Fort Blk. % Rec.	65.74	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.06	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	64.18	%	
		Lab Fort Blank Range	1.55	units	
		Lab Fort Bl. Av. Rec	64.96	%	
		LFB Duplicate RPD	2.40	%	0-30
	2-Nitrophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.01	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.82	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.11	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.06	%	
		Lab Fort Blank Range	6.24	units	
		Lab Fort Bl. Av. Rec	63.94	%	
		LFB Duplicate RPD	9.75	%	0-30
	4-Nitrophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.72	mg/kg dry wt	
		Lab Fort Blk. % Rec.	43.71	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.82	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	49.55	%	
		Lab Fort Blank Range	5.83	units	
		Lab Fort Bl. Av. Rec	46.63	%	

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Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90805					
	4-Nitrophenol	LFB Duplicate RPD	12.52	%	0-50
	Phenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.15	mg/kg dry wt	
		Lab Fort Blk. % Rec.	69.40	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.25	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	75.11	%	
		Lab Fort Blank Range	5.71	units	
		Lab Fort Bl. Av. Rec	72.26	%	
		LFB Duplicate RPD	7.91	%	0-30
	2,4,5-Trichlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.02	mg/kg dry wt	
		Lab Fort Blk. % Rec.	61.25	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.16	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	69.82	%	
		Lab Fort Blank Range	8.56	units	
		Lab Fort Bl. Av. Rec	65.54	%	
		LFB Duplicate RPD	13.06	%	0-30
	2,4,6-Trichlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.09	mg/kg dry wt	
		Lab Fort Blk. % Rec.	65.44	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.20	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	72.58	%	
		Lab Fort Blank Range	7.13	units	
		Lab Fort Bl. Av. Rec	69.01	%	
		LFB Duplicate RPD	10.34	%	0-30
	Pentachlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.91	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.73	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.02	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	61.66	%	
		Lab Fort Blank Range	6.92	units	
		Lab Fort Bl. Av. Rec	58.20	%	
		LFB Duplicate RPD	11.89	%	0-30
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.941	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.479	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.005	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	60.319	%	

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QC Batch Number: GCMS/SEMI-11857

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90805					
	Benzo(k)fluoranthene	Lab Fort Blank Range	3.839	units	
		Lab Fort Bl. Av. Rec	58.399	%	
		LFB Duplicate RPD	6.575	%	0-30
	Acetophenone	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.05	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.43	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.09	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	65.44	%	
		Lab Fort Blank Range	2.00	units	
		Lab Fort Bl. Av. Rec	64.43	%	
		LFB Duplicate RPD	3.10	%	0-30

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QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01567					
	1,2-Dichloroethane-d4	Surrogate Recovery	105.800	%	70-130
	Toluene-d8	Surrogate Recovery	95.440	%	70-130
	Bromofluorobenzene	Surrogate Recovery	97.640	%	70-130
09B01570					
	1,2-Dichloroethane-d4	Surrogate Recovery	110.880	%	70-130
	Toluene-d8	Surrogate Recovery	95.080	%	70-130
	Bromofluorobenzene	Surrogate Recovery	98.120	%	70-130
BLANK-128743					
	Acetone	Blank	<0.10	mg/kg dry wt	
	Benzene	Blank	<0.002	mg/kg dry wt	
	Carbon Tetrachloride	Blank	<0.002	mg/kg dry wt	
	Chloroform	Blank	<0.004	mg/kg dry wt	
	1,2-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,4-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	Ethyl Benzene	Blank	<0.002	mg/kg dry wt	
	2-Butanone (MEK)	Blank	<0.040	mg/kg dry wt	
	MIBK	Blank	<0.020	mg/kg dry wt	
	Naphthalene	Blank	<0.004	mg/kg dry wt	
	Styrene	Blank	<0.002	mg/kg dry wt	
	Tetrachloroethylene	Blank	<0.002	mg/kg dry wt	
	Toluene	Blank	<0.002	mg/kg dry wt	
	1,1,1-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Trichloroethylene	Blank	<0.002	mg/kg dry wt	
	Trichlorofluoromethane	Blank	<0.010	mg/kg dry wt	
	o-Xylene	Blank	<0.002	mg/kg dry wt	
	m + p Xylene	Blank	<0.004	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,3-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethylene	Blank	<0.004	mg/kg dry wt	
	1,4-Dioxane	Blank	<0.10	mg/kg dry wt	
	MTBE	Blank	<0.004	mg/kg dry wt	
	trans-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	Vinyl Chloride	Blank	<0.010	mg/kg dry wt	
	Methylene Chloride	Blank	<0.020	mg/kg dry wt	
	Chlorobenzene	Blank	<0.002	mg/kg dry wt	
	Chloromethane	Blank	<0.010	mg/kg dry wt	
	Bromomethane	Blank	<0.010	mg/kg dry wt	
	Chloroethane	Blank	<0.020	mg/kg dry wt	
	cis-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	trans-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	Chlorodibromomethane	Blank	<0.001	mg/kg dry wt	
	1,1,2-Trichloroethane	Blank	<0.002	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128743					
	Bromoform	Blank	<0.002	mg/kg dry wt	
	1,1,2,2-Tetrachloroethane	Blank	<0.001	mg/kg dry wt	
	2-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.002	mg/kg dry wt	
	Isopropylbenzene	Blank	<0.002	mg/kg dry wt	
	p-Isopropyltoluene	Blank	<0.002	mg/kg dry wt	
	n-Propylbenzene	Blank	<0.002	mg/kg dry wt	
	sec-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	tert-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,2,4-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	1,3,5-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	4-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Dibromomethane	Blank	<0.002	mg/kg dry wt	
	cis-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloropropene	Blank	<0.002	mg/kg dry wt	
	1,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,3-Dichloropropane	Blank	<0.001	mg/kg dry wt	
	2,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,1,1,2-Tetrachloroethane	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichloropropane	Blank	<0.002	mg/kg dry wt	
	n-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	Dichlorodifluoromethane	Blank	<0.020	mg/kg dry wt	
	Bromochloromethane	Blank	<0.002	mg/kg dry wt	
	Bromobenzene	Blank	<0.002	mg/kg dry wt	
	Carbon Disulfide	Blank	<0.006	mg/kg dry wt	
	2-Hexanone	Blank	<0.020	mg/kg dry wt	
	Diethyl Ether	Blank	<0.020	mg/kg dry wt	
	Bromodichloromethane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromo-3-Chloropropane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromoethane	Blank	<0.001	mg/kg dry wt	
	Tetrahydrofuran	Blank	<0.010	mg/kg dry wt	
	Diisopropyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Butylethyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Amylmethyl Ether	Blank	<0.001	mg/kg dry wt	
LFBLANK-90807					
	Acetone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.130	mg/kg dry wt	
		Lab Fort Blk. % Rec.	65.489	%	50-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.134	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	67.220	%	70-160

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	Acetone	Lab Fort Blank Range	1.729	units	
		Lab Fort Bl. Av. Rec	66.355	%	
		LFB Duplicate RPD	2.607	%	0-25
	Benzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.300	%	70-130
		Lab Fort Blank Range	3.100	units	
		Lab Fort Bl. Av. Rec	87.850	%	
		LFB Duplicate RPD	3.528	%	0-25
	Carbon Tetrachloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	88.600	%	70-130
		Lab Fort Blank Range	6.600	units	
		Lab Fort Bl. Av. Rec	91.900	%	
		LFB Duplicate RPD	7.181	%	0-25
	Chloroform	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.100	%	70-130
		Lab Fort Blank Range	3.100	units	
		Lab Fort Bl. Av. Rec	87.650	%	
		LFB Duplicate RPD	3.536	%	0-25
	1,2-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.800	%	70-130
		Lab Fort Blank Range	3.700	units	
		Lab Fort Bl. Av. Rec	101.650	%	
		LFB Duplicate RPD	3.639	%	0-25
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	1,4-Dichlorobenzene	Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.000	%	70-130
		Lab Fort Blank Range	7.100	units	
		Lab Fort Bl. Av. Rec	90.550	%	
		LFB Duplicate RPD	7.840	%	0-25
	Ethyl Benzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.600	%	70-130
		Lab Fort Blank Range	6.300	units	
		Lab Fort Bl. Av. Rec	98.750	%	
		LFB Duplicate RPD	6.379	%	0-25
	2-Butanone (MEK)	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.137	mg/kg dry wt	
		Lab Fort Blk. % Rec.	68.880	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.149	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.910	%	70-160
		Lab Fort Blank Range	6.030	units	
		Lab Fort Bl. Av. Rec	71.895	%	
		LFB Duplicate RPD	8.387	%	0-25
	MIBK	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.160	mg/kg dry wt	
		Lab Fort Blk. % Rec.	80.160	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.166	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	83.230	%	70-160
		Lab Fort Blank Range	3.069	units	
		Lab Fort Bl. Av. Rec	81.695	%	
		LFB Duplicate RPD	3.757	%	0-25
	Naphthalene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.200	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	85.600	%	40-130
		Lab Fort Blank Range	0.399	units	
		Lab Fort Bl. Av. Rec	85.400	%	
		LFB Duplicate RPD	0.468	%	0-25
	Styrene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	Styrene	Lab Fort Blk. % Rec.	100.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.900	%	70-130
		Lab Fort Blank Range	6.599	units	
		Lab Fort Bl. Av. Rec	97.200	%	
		LFB Duplicate RPD	6.790	%	0-25
	Tetrachloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.100	%	70-130
		Lab Fort Blank Range	2.100	units	
		Lab Fort Bl. Av. Rec	98.150	%	
		LFB Duplicate RPD	2.139	%	0-25
	Toluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	88.900	%	70-130
		Lab Fort Blank Range	5.399	units	
		Lab Fort Bl. Av. Rec	91.600	%	
		LFB Duplicate RPD	5.895	%	0-25
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.600	%	70-130
		Lab Fort Blank Range	4.700	units	
		Lab Fort Bl. Av. Rec	94.950	%	
		LFB Duplicate RPD	4.949	%	0-25
	Trichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.800	%	70-130
		Lab Fort Blank Range	5.400	units	
		Lab Fort Bl. Av. Rec	94.500	%	
		LFB Duplicate RPD	5.714	%	0-25

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	Trichlorofluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.400	%	70-130
		Lab Fort Blank Range	6.000	units	
		Lab Fort Bl. Av. Rec	104.400	%	
		LFB Duplicate RPD	5.747	%	0-25
	o-Xylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.200	%	70-130
		Lab Fort Blank Range	6.199	units	
		Lab Fort Bl. Av. Rec	94.300	%	
		LFB Duplicate RPD	6.574	%	0-25
	m + p Xylene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.039	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.800	%	70-130
		Dup Lab Fort Bl Amt.	0.040	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.037	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.350	%	70-130
		Lab Fort Blank Range	6.450	units	
		Lab Fort Bl. Av. Rec	96.575	%	
		LFB Duplicate RPD	6.678	%	0-25
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.500	%	70-130
		Lab Fort Blank Range	4.200	units	
		Lab Fort Bl. Av. Rec	94.600	%	
		LFB Duplicate RPD	4.439	%	0-25
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.400	%	70-130
		Lab Fort Blank Range	7.100	units	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	1,3-Dichlorobenzene	Lab Fort Bl. Av. Rec	94.950	%	
		LFB Duplicate RPD	7.477	%	0-25
	1,1-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	83.900	%	70-130
		Lab Fort Blank Range	2.900	units	
		Lab Fort Bl. Av. Rec	85.350	%	
		LFB Duplicate RPD	3.397	%	0-25
	1,1-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	84.600	%	70-130
		Lab Fort Blank Range	3.800	units	
		Lab Fort Bl. Av. Rec	86.500	%	
		LFB Duplicate RPD	4.393	%	0-25
	1,4-Dioxane	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.147	mg/kg dry wt	
		Lab Fort Blk. % Rec.	73.740	%	40-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.148	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.390	%	40-160
		Lab Fort Blank Range	0.649	units	
		Lab Fort Bl. Av. Rec	74.065	%	
		LFB Duplicate RPD	0.877	%	0-50
	MTBE	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.100	%	70-130
		Lab Fort Blank Range	0.900	units	
		Lab Fort Bl. Av. Rec	87.550	%	
		LFB Duplicate RPD	1.027	%	0-25
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	trans-1,2-Dichloroethylene	Dup Lab Fort Bl %Rec	85.400	%	70-130
		Lab Fort Blank Range	3.899	units	
		Lab Fort Bl. Av. Rec	87.350	%	
		LFB Duplicate RPD	4.464	%	0-25
	Vinyl Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.015	mg/kg dry wt	
		Lab Fort Blk. % Rec.	77.600	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.015	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	76.700	%	40-130
		Lab Fort Blank Range	0.900	units	
		Lab Fort Bl. Av. Rec	77.150	%	
		LFB Duplicate RPD	1.166	%	0-25
	Methylene Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.300	%	40-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.500	%	40-160
		Lab Fort Blank Range	1.799	units	
		Lab Fort Bl. Av. Rec	95.400	%	
		LFB Duplicate RPD	1.886	%	0-25
	Chlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.100	%	70-130
		Lab Fort Blank Range	4.600	units	
		Lab Fort Bl. Av. Rec	95.400	%	
		LFB Duplicate RPD	4.821	%	0-25
	Chloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.014	mg/kg dry wt	
		Lab Fort Blk. % Rec.	72.000	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.014	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	70.300	%	40-130
		Lab Fort Blank Range	1.700	units	
		Lab Fort Bl. Av. Rec	71.150	%	
		LFB Duplicate RPD	2.389	%	0-25
	Bromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	80.400	%	40-130

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	Bromomethane	Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	80.000	%	40-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	80.200	%	
		LFB Duplicate RPD	0.498	%	0-25
	Chloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	81.900	%	70-130
		Lab Fort Blank Range	4.199	units	
		Lab Fort Bl. Av. Rec	84.000	%	
		LFB Duplicate RPD	4.999	%	0-25
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	83.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.015	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	78.200	%	70-130
		Lab Fort Blank Range	5.699	units	
		Lab Fort Bl. Av. Rec	81.050	%	
		LFB Duplicate RPD	7.032	%	0-25
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	86.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	82.900	%	70-130
		Lab Fort Blank Range	3.499	units	
		Lab Fort Bl. Av. Rec	84.650	%	
		LFB Duplicate RPD	4.134	%	0-25
	Chlorodibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.400	%	70-130
		Lab Fort Blank Range	3.699	units	
		Lab Fort Bl. Av. Rec	94.250	%	
		LFB Duplicate RPD	3.925	%	0-25
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	1,1,2-Trichloroethane	Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	81.000	%	70-130
		Lab Fort Blank Range	4.400	units	
		Lab Fort Bl. Av. Rec	83.200	%	
		LFB Duplicate RPD	5.288	%	0-25
	Bromoform	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.000	%	70-130
		Lab Fort Blank Range	1.699	units	
		Lab Fort Bl. Av. Rec	100.850	%	
		LFB Duplicate RPD	1.685	%	0-25
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	87.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.900	%	70-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	87.700	%	
		LFB Duplicate RPD	0.456	%	0-25
	2-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.000	%	70-130
		Lab Fort Blank Range	4.700	units	
		Lab Fort Bl. Av. Rec	98.350	%	
		LFB Duplicate RPD	4.778	%	0-25
	Hexachlorobutadiene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.900	%	70-130
		Lab Fort Blank Range	7.699	units	
		Lab Fort Bl. Av. Rec	101.750	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	Hexachlorobutadiene	LFB Duplicate RPD	7.567	%	0-25
	Isopropylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.023	mg/kg dry wt	
		Lab Fort Blk. % Rec.	115.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.000	%	70-130
		Lab Fort Blank Range	5.299	units	
		Lab Fort Bl. Av. Rec	112.650	%	
		LFB Duplicate RPD	4.704	%	0-25
	p-Isopropyltoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.200	%	70-130
		Lab Fort Blank Range	6.299	units	
		Lab Fort Bl. Av. Rec	103.350	%	
		LFB Duplicate RPD	6.095	%	0-25
	n-Propylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.700	%	70-130
		Lab Fort Blank Range	4.500	units	
		Lab Fort Bl. Av. Rec	99.950	%	
		LFB Duplicate RPD	4.502	%	0-25
	sec-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.800	%	70-130
		Lab Fort Blank Range	5.499	units	
		Lab Fort Bl. Av. Rec	100.550	%	
		LFB Duplicate RPD	5.469	%	0-25
	tert-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.200	%	70-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.800	%	70-160

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	tert-Butylbenzene	Lab Fort Blank Range	6.399	units	
		Lab Fort Bl. Av. Rec	100.000	%	
		LFB Duplicate RPD	6.400	%	0-25
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.200	%	70-130
		Lab Fort Blank Range	5.199	units	
		Lab Fort Bl. Av. Rec	89.800	%	
		LFB Duplicate RPD	5.790	%	0-25
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	83.900	%	70-130
		Lab Fort Blank Range	6.400	units	
		Lab Fort Bl. Av. Rec	87.100	%	
		LFB Duplicate RPD	7.347	%	0-25
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.200	%	70-130
		Lab Fort Blank Range	8.300	units	
		Lab Fort Bl. Av. Rec	98.350	%	
		LFB Duplicate RPD	8.439	%	0-25
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.200	%	70-130
		Lab Fort Blank Range	6.599	units	
		Lab Fort Bl. Av. Rec	105.500	%	
		LFB Duplicate RPD	6.255	%	0-25
	4-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	4-Chlorotoluene	Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.900	%	70-130
		Lab Fort Blank Range	5.599	units	
		Lab Fort Bl. Av. Rec	100.700	%	
		LFB Duplicate RPD	5.561	%	0-25
	Dibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.700	%	70-130
		Lab Fort Blank Range	2.500	units	
		Lab Fort Bl. Av. Rec	91.950	%	
		LFB Duplicate RPD	2.718	%	0-25
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	89.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.600	%	70-130
		Lab Fort Blank Range	2.800	units	
		Lab Fort Bl. Av. Rec	88.000	%	
		LFB Duplicate RPD	3.181	%	0-25
	1,1-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.500	%	70-130
		Lab Fort Blank Range	4.399	units	
		Lab Fort Bl. Av. Rec	93.700	%	
		LFB Duplicate RPD	4.695	%	0-25
	1,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	82.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.015	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	79.600	%	70-130
		Lab Fort Blank Range	3.300	units	
		Lab Fort Bl. Av. Rec	81.250	%	
		LFB Duplicate RPD	4.061	%	0-25
	1,3-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	1,3-Dichloropropane	Lab Fort Blk. % Rec.	88.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	86.500	%	70-130
		Lab Fort Blank Range	1.500	units	
		Lab Fort Bl. Av. Rec	87.250	%	
		LFB Duplicate RPD	1.719	%	0-25
	2,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.015	mg/kg dry wt	
		Lab Fort Blk. % Rec.	79.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.014	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	74.800	%	70-130
		Lab Fort Blank Range	4.700	units	
		Lab Fort Bl. Av. Rec	77.150	%	
		LFB Duplicate RPD	6.092	%	0-25
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.300	%	70-130
		Lab Fort Blank Range	3.400	units	
		Lab Fort Bl. Av. Rec	92.000	%	
		LFB Duplicate RPD	3.695	%	0-25
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.013	mg/kg dry wt	
		Lab Fort Blk. % Rec.	66.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.014	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	72.700	%	70-130
		Lab Fort Blank Range	6.400	units	
		Lab Fort Bl. Av. Rec	69.500	%	
		LFB Duplicate RPD	9.208	%	0-25
	n-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.800	%	70-130
		Lab Fort Blank Range	6.599	units	
		Lab Fort Bl. Av. Rec	98.100	%	
		LFB Duplicate RPD	6.727	%	0-25

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	Dichlorodifluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	80.000	%	40-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.015	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	77.700	%	40-160
		Lab Fort Blank Range	2.300	units	
		Lab Fort Bl. Av. Rec	78.850	%	
		LFB Duplicate RPD	2.916	%	0-25
	Bromochloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.400	%	70-130
		Lab Fort Blank Range	5.299	units	
		Lab Fort Bl. Av. Rec	100.050	%	
		LFB Duplicate RPD	5.297	%	0-25
	Bromobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.200	%	70-130
		Lab Fort Blank Range	3.899	units	
		Lab Fort Bl. Av. Rec	98.150	%	
		LFB Duplicate RPD	3.973	%	0-25
	Carbon Disulfide	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.500	%	70-130
		Lab Fort Blank Range	4.900	units	
		Lab Fort Bl. Av. Rec	91.950	%	
		LFB Duplicate RPD	5.328	%	0-25
	2-Hexanone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.151	mg/kg dry wt	
		Lab Fort Blk. % Rec.	75.580	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.159	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	79.520	%	70-160
		Lab Fort Blank Range	3.940	units	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	2-Hexanone	Lab Fort Bl. Av. Rec	77.550	%	
		LFB Duplicate RPD	5.080	%	0-25
	Diethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	82.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	82.200	%	70-130
		Lab Fort Blank Range	0.099	units	
		Lab Fort Bl. Av. Rec	82.250	%	
		LFB Duplicate RPD	0.121	%	0-25
	Bromodichloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.100	%	70-130
		Lab Fort Blank Range	4.700	units	
		Lab Fort Bl. Av. Rec	89.450	%	
		LFB Duplicate RPD	5.254	%	0-25
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.015	mg/kg dry wt	
		Lab Fort Blk. % Rec.	76.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.015	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	76.300	%	70-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	76.500	%	
		LFB Duplicate RPD	0.522	%	0-25
	1,2-Dibromoethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	92.300	%	70-130
		Lab Fort Blank Range	0.499	units	
		Lab Fort Bl. Av. Rec	92.550	%	
		LFB Duplicate RPD	0.540	%	0-25
	Tetrahydrofuran	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.014	mg/kg dry wt	
		Lab Fort Blk. % Rec.	74.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.014	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: GCMS/VOL-21359

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90807					
	Tetrahydrofuran	Dup Lab Fort Bl %Rec	74.700	%	70-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	74.500	%	
		LFB Duplicate RPD	0.536	%	0-25
	Diisopropyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	82.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	81.000	%	70-130
		Lab Fort Blank Range	1.799	units	
		Lab Fort Bl. Av. Rec	81.900	%	
		LFB Duplicate RPD	2.197	%	0-25
	tert-Butylethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	81.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	80.000	%	70-130
		Lab Fort Blank Range	1.900	units	
		Lab Fort Bl. Av. Rec	80.950	%	
		LFB Duplicate RPD	2.347	%	0-25
	tert-Amylmethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	81.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.015	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	79.000	%	70-130
		Lab Fort Blank Range	1.999	units	
		Lab Fort Bl. Av. Rec	80.000	%	
		LFB Duplicate RPD	2.499	%	0-25

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: HG-9798

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01577					
	Mercury	Sample Amount	<0.015	mg/kg dry wt	
		Matrix Spk Amt Added	0.249	mg/kg dry wt	
		MS Amt Measured	0.247	mg/kg dry wt	
		Matrix Spike % Rec.	99.100	%	75-125
		MSD Amount Added	0.269	mg/kg dry wt	
		MSD Amt Measured	0.258	mg/kg dry wt	
		MSD % Recovery	96.149	%	75-125
		MSD Range	2.950	units	
		MS Duplicate RPD	4.567	%	0-35
BLANK-128774					
	Mercury	Blank	<0.025	mg/kg dry wt	
LFBLANK-90828					
	Mercury	Lab Fort Blank Amt.	1.250	mg/kg dry wt	
		Lab Fort Blk. Found	0.942	mg/kg dry wt	
		Lab Fort Blk. % Rec.	75.371	%	65.9-133
		Dup Lab Fort Bl Amt.	1.250	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.938	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	75.045	%	65.9-133
		Lab Fort Blank Range	0.326	units	
		Lab Fort Bl. Av. Rec	75.208	%	
		LFB Duplicate RPD	0.434	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: HG/TCLP-3432

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01582					
	Mercury	Sample Amount	<0.00010	mg/l leachate	
		Matrix Spk Amt Added	0.00200	mg/l leachate	
		MS Amt Measured	0.00211	mg/l leachate	
		Matrix Spike % Rec.	105.75000	%	75-125
BLANK-128785					
	Mercury	Blank	<0.00010	mg/l leachate	
LFBLANK-90842					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l leachate	
		Lab Fort Blk. Found	0.00139	mg/l leachate	
		Lab Fort Blk. % Rec.	69.70000	%	80-120
		Dup Lab Fort Bl Amt.	0.00200	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.00160	mg/l leachate	
		Dup Lab Fort Bl %Rec	80.34999	%	
		Lab Fort Blank Range	10.65000	units	
		Lab Fort Bl. Av. Rec	75.02500	%	
		LFB Duplicate RPD	14.19526	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: ICP-21013

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01577					
	Silver	Sample Amount	<0.55	mg/kg dry wt	
		Matrix Spk Amt Added	27.32	mg/kg dry wt	
		MS Amt Measured	23.65	mg/kg dry wt	
		Matrix Spike % Rec.	86.57	%	75-125
		MSD Amount Added	27.32	mg/kg dry wt	
		MSD Amt Measured	23.70	mg/kg dry wt	
		MSD % Recovery	86.76	%	75-125
		MSD Range	0.18	units	
		MS Duplicate RPD	0.20	%	0-35
	Arsenic	Sample Amount	<2.74	mg/kg dry wt	
		Matrix Spk Amt Added	27.32	mg/kg dry wt	
		MS Amt Measured	29.60	mg/kg dry wt	
		Matrix Spike % Rec.	108.36	%	75-125
		MSD Amount Added	27.32	mg/kg dry wt	
		MSD Amt Measured	30.27	mg/kg dry wt	
		MSD % Recovery	110.82	%	75-125
		MSD Range	2.46	units	
		MS Duplicate RPD	2.24	%	0-35
	Barium	Sample Amount	36.73	mg/kg dry wt	
		Duplicate Value	40.45	mg/kg dry wt	
		Duplicate RPD	9.62	%	0-35
		Sample Amount	36.73	mg/kg dry wt	
		Matrix Spk Amt Added	27.32	mg/kg dry wt	
		MS Amt Measured	66.99	mg/kg dry wt	
		Matrix Spike % Rec.	110.73	%	75-125
		MSD Amount Added	27.32	mg/kg dry wt	
		MSD Amt Measured	69.70	mg/kg dry wt	
		MSD % Recovery	120.65	%	75-125
		MSD Range	9.91	units	
		MS Duplicate RPD	3.96	%	0-35
	Beryllium	Sample Amount	<0.28	mg/kg dry wt	
		Matrix Spk Amt Added	27.32	mg/kg dry wt	
		MS Amt Measured	25.81	mg/kg dry wt	
		Matrix Spike % Rec.	94.47	%	75-125
		MSD Amount Added	27.32	mg/kg dry wt	
		MSD Amt Measured	25.70	mg/kg dry wt	
		MSD % Recovery	94.08	%	75-125
		MSD Range	0.39	units	
		MS Duplicate RPD	0.42	%	0-35
	Cadmium	Sample Amount	<0.28	mg/kg dry wt	
		Matrix Spk Amt Added	27.32	mg/kg dry wt	
		MS Amt Measured	27.26	mg/kg dry wt	
		Matrix Spike % Rec.	99.77	%	75-125

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: ICP-21013

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01577					
	Cadmium	MSD Amount Added	27.32	mg/kg dry wt	
		MSD Amt Measured	27.39	mg/kg dry wt	
		MSD % Recovery	100.28	%	75-125
		MSD Range	0.50	units	
		MS Duplicate RPD	0.49	%	0-35
	Chromium	Sample Amount	9.74	mg/kg dry wt	
		Duplicate Value	10.40	mg/kg dry wt	
		Duplicate RPD	6.49	%	0-35
		Sample Amount	9.74	mg/kg dry wt	
		Matrix Spk Amt Added	27.32	mg/kg dry wt	
		MS Amt Measured	37.50	mg/kg dry wt	
		Matrix Spike % Rec.	101.57	%	75-125
		MSD Amount Added	27.32	mg/kg dry wt	
		MSD Amt Measured	37.68	mg/kg dry wt	
		MSD % Recovery	102.25	%	75-125
		MSD Range	0.67	units	
		MS Duplicate RPD	0.49	%	0-35
	Nickel	Sample Amount	6.24	mg/kg dry wt	
		Duplicate Value	6.68	mg/kg dry wt	
		Duplicate RPD	6.82	%	0-35
		Sample Amount	6.24	mg/kg dry wt	
		Matrix Spk Amt Added	27.32	mg/kg dry wt	
		MS Amt Measured	32.50	mg/kg dry wt	
		Matrix Spike % Rec.	96.11	%	75-125
		MSD Amount Added	27.32	mg/kg dry wt	
		MSD Amt Measured	32.83	mg/kg dry wt	
		MSD % Recovery	97.31	%	75-125
		MSD Range	1.19	units	
		MS Duplicate RPD	1.00	%	0-35
	Lead	Sample Amount	0.94	mg/kg dry wt	
		Duplicate Value	0.83	mg/kg dry wt	
		Duplicate RPD	12.52	%	0-35
		Sample Amount	0.94	mg/kg dry wt	
		Matrix Spk Amt Added	27.32	mg/kg dry wt	
		MS Amt Measured	27.27	mg/kg dry wt	
		Matrix Spike % Rec.	96.37	%	75-125
		MSD Amount Added	27.32	mg/kg dry wt	
		MSD Amt Measured	27.33	mg/kg dry wt	
		MSD % Recovery	96.59	%	75-125
		MSD Range	0.21	units	
		MS Duplicate RPD	0.22	%	0-35
	Antimony	Sample Amount	<4.38	mg/kg dry wt	
		Matrix Spk Amt Added	27.32	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: ICP-21013

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01577					
	Antimony	MS Amt Measured	11.72	mg/kg dry wt	
		Matrix Spike % Rec.	42.92	%	75-125
		MSD Amount Added	27.32	mg/kg dry wt	
		MSD Amt Measured	12.40	mg/kg dry wt	
		MSD % Recovery	45.42	%	75-125
		MSD Range	2.49	units	
		MS Duplicate RPD	5.65	%	0-35
	Selenium	Sample Amount	<5.47	mg/kg dry wt	
		Matrix Spk Amt Added	27.32	mg/kg dry wt	
		MS Amt Measured	20.78	mg/kg dry wt	
		Matrix Spike % Rec.	76.05	%	75-125
		MSD Amount Added	27.32	mg/kg dry wt	
		MSD Amt Measured	21.06	mg/kg dry wt	
		MSD % Recovery	77.08	%	75-125
		MSD Range	1.02	units	
		MS Duplicate RPD	1.33	%	0-35
	Thallium	Sample Amount	<3.28	mg/kg dry wt	
		Matrix Spk Amt Added	27.32	mg/kg dry wt	
		MS Amt Measured	28.23	mg/kg dry wt	
		Matrix Spike % Rec.	103.34	%	75-125
		MSD Amount Added	27.32	mg/kg dry wt	
		MSD Amt Measured	28.60	mg/kg dry wt	
		MSD % Recovery	104.70	%	75-125
		MSD Range	1.36	units	
		MS Duplicate RPD	1.30	%	0-35
	Vanadium	Sample Amount	13.82	mg/kg dry wt	
		Duplicate Value	15.34	mg/kg dry wt	
		Duplicate RPD	10.41	%	0-35
		Sample Amount	13.82	mg/kg dry wt	
		Matrix Spk Amt Added	27.32	mg/kg dry wt	
		MS Amt Measured	42.60	mg/kg dry wt	
		Matrix Spike % Rec.	105.32	%	75-125
		MSD Amount Added	27.32	mg/kg dry wt	
		MSD Amt Measured	43.32	mg/kg dry wt	
		MSD % Recovery	107.96	%	75-125
		MSD Range	2.63	units	
		MS Duplicate RPD	1.67	%	0-35
	Zinc	Sample Amount	20.50	mg/kg dry wt	
		Duplicate Value	22.70	mg/kg dry wt	
		Duplicate RPD	10.16	%	0-35
		Sample Amount	20.50	mg/kg dry wt	
		Matrix Spk Amt Added	27.32	mg/kg dry wt	
		MS Amt Measured	47.72	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: ICP-21013

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01577					
	Zinc	Matrix Spike % Rec.	99.59	%	75-125
		MSD Amount Added	27.32	mg/kg dry wt	
		MSD Amt Measured	47.97	mg/kg dry wt	
		MSD % Recovery	100.51	%	75-125
		MSD Range	0.91	units	
		MS Duplicate RPD	0.52	%	0-35
BLANK-128765					
	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Barium	Blank	<5.00	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Vanadium	Blank	<5.00	mg/kg dry wt	
	Zinc	Blank	3.33	mg/kg dry wt	
LFBLANK-90820					
	Silver	Lab Fort Blank Amt.	81.20	mg/kg dry wt	
		Lab Fort Blk. Found	75.62	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.12	%	66-133
		Dup Lab Fort Bl Amt.	81.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	80.01	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.53	%	66-133
		Lab Fort Blank Range	5.40	units	
		Lab Fort Bl. Av. Rec	95.83	%	
		LFB Duplicate RPD	5.64	%	0-30
	Arsenic	Lab Fort Blank Amt.	133.00	mg/kg dry wt	
		Lab Fort Blk. Found	141.55	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.42	%	80-120
		Dup Lab Fort Bl Amt.	133.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	142.19	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.91	%	80-120
		Lab Fort Blank Range	0.48	units	
		Lab Fort Bl. Av. Rec	106.67	%	
		LFB Duplicate RPD	0.45	%	0-30
	Barium	Lab Fort Blank Amt.	226.00	mg/kg dry wt	
		Lab Fort Blk. Found	228.28	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.00	%	81-119
		Dup Lab Fort Bl Amt.	226.00	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: ICP-21013

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90820					
	Barium	Dup Lab Fort Bl. Fnd	237.43	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.05	%	81-119
		Lab Fort Blank Range	4.04	units	
		Lab Fort Bl. Av. Rec	103.03	%	
		LFB Duplicate RPD	3.92	%	0-30
	Beryllium	Lab Fort Blank Amt.	117.00	mg/kg dry wt	
		Lab Fort Blk. Found	126.84	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.41	%	84-116
		Dup Lab Fort Bl Amt.	117.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	126.33	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.97	%	84-116
		Lab Fort Blank Range	0.43	units	
		Lab Fort Bl. Av. Rec	108.19	%	
		LFB Duplicate RPD	0.40	%	0-30
	Cadmium	Lab Fort Blank Amt.	103.00	mg/kg dry wt	
		Lab Fort Blk. Found	112.95	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.66	%	83-117
		Dup Lab Fort Bl Amt.	103.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	111.22	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.98	%	83-117
		Lab Fort Blank Range	1.67	units	
		Lab Fort Bl. Av. Rec	108.82	%	
		LFB Duplicate RPD	1.54	%	0-30
	Chromium	Lab Fort Blank Amt.	219.00	mg/kg dry wt	
		Lab Fort Blk. Found	238.42	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.86	%	82-118
		Dup Lab Fort Bl Amt.	219.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	240.83	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.96	%	82-118
		Lab Fort Blank Range	1.10	units	
		Lab Fort Bl. Av. Rec	109.41	%	
		LFB Duplicate RPD	1.00	%	0-30
	Nickel	Lab Fort Blank Amt.	119.00	mg/kg dry wt	
		Lab Fort Blk. Found	130.88	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.98	%	80-120
		Dup Lab Fort Bl Amt.	119.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	128.65	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.10	%	80-120
		Lab Fort Blank Range	1.87	units	
		Lab Fort Bl. Av. Rec	109.04	%	
		LFB Duplicate RPD	1.71	%	0-30
	Lead	Lab Fort Blank Amt.	168.00	mg/kg dry wt	
		Lab Fort Blk. Found	159.85	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: ICP-21013

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90820					
	Lead	Lab Fort Blk. % Rec.	95.14	%	82-118
		Dup Lab Fort Bl Amt.	168.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	168.00	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.00	%	82-118
		Lab Fort Blank Range	4.85	units	
		Lab Fort Bl. Av. Rec	97.57	%	
		LFB Duplicate RPD	4.97	%	0-30
	Antimony	Lab Fort Blank Amt.	79.20	mg/kg dry wt	
		Lab Fort Blk. Found	84.11	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.19	%	30-207
		Dup Lab Fort Bl Amt.	79.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	86.26	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.91	%	30-207
		Lab Fort Blank Range	2.71	units	
		Lab Fort Bl. Av. Rec	107.55	%	
		LFB Duplicate RPD	2.52	%	0-30
	Selenium	Lab Fort Blank Amt.	94.10	mg/kg dry wt	
		Lab Fort Blk. Found	89.18	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.77	%	77-123
		Dup Lab Fort Bl Amt.	94.10	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	91.52	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.25	%	77-123
		Lab Fort Blank Range	2.48	units	
		Lab Fort Bl. Av. Rec	96.01	%	
		LFB Duplicate RPD	2.58	%	0-30
	Thallium	Lab Fort Blank Amt.	152.00	mg/kg dry wt	
		Lab Fort Blk. Found	162.00	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.57	%	82-120
		Dup Lab Fort Bl Amt.	152.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	166.95	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.83	%	82-120
		Lab Fort Blank Range	3.25	units	
		Lab Fort Bl. Av. Rec	108.20	%	
		LFB Duplicate RPD	3.00	%	0-30
	Vanadium	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	127.20	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.41	%	80-120
		Dup Lab Fort Bl Amt.	123.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	131.85	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.19	%	80-120
		Lab Fort Blank Range	3.78	units	
		Lab Fort Bl. Av. Rec	105.30	%	
		LFB Duplicate RPD	3.59	%	0-30

con-test® ANALYTICAL LABORATORY

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

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: ICP-21013

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90820					
	Zinc	Lab Fort Blank Amt.	280.00	mg/kg dry wt	
		Lab Fort Blk. Found	288.89	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.17	%	81-119
		Dup Lab Fort Bl Amt.	280.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	299.06	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.80	%	81-119
		Lab Fort Blank Range	3.62	units	
		Lab Fort Bl. Av. Rec	104.99	%	
		LFB Duplicate RPD	3.45	%	0-30

con-test ANALYTICAL LABORATORY

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

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: ICP/TCLP-4654

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128763					
	Silver	Blank	<0.005	mg/l leachate	
	Arsenic	Blank	<0.010	mg/l leachate	
	Barium	Blank	<0.10	mg/l leachate	
	Cadmium	Blank	<0.005	mg/l leachate	
	Chromium	Blank	<0.01	mg/l leachate	
	Lead	Blank	<0.015	mg/l leachate	
	Selenium	Blank	<0.05	mg/l leachate	
LFBLANK-90818					
	Silver	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.504	mg/l leachate	
		Lab Fort Blk. % Rec.	100.840	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.495	mg/l leachate	
		Dup Lab Fort Bl %Rec	99.000	%	
		Lab Fort Blank Range	1.840	units	
		Lab Fort Bl. Av. Rec	99.920	%	
		LFB Duplicate RPD	1.841	%	
	Arsenic	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.573	mg/l leachate	
		Lab Fort Blk. % Rec.	114.660	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.563	mg/l leachate	
		Dup Lab Fort Bl %Rec	112.660	%	
		Lab Fort Blank Range	1.999	units	
		Lab Fort Bl. Av. Rec	113.660	%	
		LFB Duplicate RPD	1.759	%	
	Barium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.52	mg/l leachate	
		Lab Fort Blk. % Rec.	105.98	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.51	mg/l leachate	
		Dup Lab Fort Bl %Rec	103.94	%	
		Lab Fort Blank Range	2.03	units	
		Lab Fort Bl. Av. Rec	104.96	%	
		LFB Duplicate RPD	1.94	%	
	Cadmium	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.512	mg/l leachate	
		Lab Fort Blk. % Rec.	102.460	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.501	mg/l leachate	
		Dup Lab Fort Bl %Rec	100.340	%	
		Lab Fort Blank Range	2.119	units	
		Lab Fort Bl. Av. Rec	101.400	%	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/23/2009 Lims Bat # : LIMT-22742

QC Batch Number: ICP/TCLP-4654

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90818					
	Cadmium	LFB Duplicate RPD	2.090	%	
	Chromium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.52	mg/l leachate	
		Lab Fort Blk. % Rec.	104.96	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.51	mg/l leachate	
		Dup Lab Fort Bl %Rec	102.86	%	
		Lab Fort Blank Range	2.10	units	
		Lab Fort Bl. Av. Rec	103.91	%	
		LFB Duplicate RPD	2.02	%	
	Lead	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.499	mg/l leachate	
		Lab Fort Blk. % Rec.	99.840	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.486	mg/l leachate	
		Dup Lab Fort Bl %Rec	97.280	%	
		Lab Fort Blank Range	2.560	units	
		Lab Fort Bl. Av. Rec	98.560	%	
		LFB Duplicate RPD	2.597	%	
	Selenium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.54	mg/l leachate	
		Lab Fort Blk. % Rec.	108.94	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.53	mg/l leachate	
		Dup Lab Fort Bl %Rec	106.72	%	
		Lab Fort Blank Range	2.22	units	
		Lab Fort Bl. Av. Rec	107.83	%	
		LFB Duplicate RPD	2.05	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

NOTES:

QC Batch No. : GCMS/SEMI-11857
Sample ID : 09B01577
Analysis : Fluoranthene

MATRIX SPIKE RECOVERY IS OUTSIDE OF CONTROL LIMITS, BUT DUPLICATE MATRIX SPIKE RECOVERY IS WITHIN LIMITS. OUTLIER SHOULD BE VIEWED AS A ONE TIME ANOMALY.

QC Batch No. : GCMS/SEMI-11857
Sample ID : LFBLANK-90805
Analysis : 4-Chloroaniline

LABORATORY FORTIFIED BLANK DUPLICATE RPD OUTSIDE OF CONTROL LIMITS. REDUCED PRECISION ANTICIPATED FOR ANY REPORTED RESULTS FOR THIS COMPOUND.

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: LIMT-22742
Project Location: City of New Bedford (KJH)	MADEP RTN[1]:

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

09B01566- 09B01582

Sample Matrices: ☐ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other: _____

MCP SW-846 Methods Used	8260B (X)	8151A ( )	8330 ( )	6010B (X)	7470A/1A ( )
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☒ Yes ☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☒ Yes ☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No[1]
D	***VPH and EPH Methods only***: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☐ Yes ☐ No [1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☒ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☒ Yes ☐ No[1]

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

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

Signature: M Erickson	**Position: Assistant Laboratory Director**
Printed Name: Michael Erickson	**Date:** 1/23/09

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Lab # 22747

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

Telephone: (978) 656-3565
Project # 115038
Client PO #

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 Unknown proposal date

State Form Required? ☒ yes ☐ no

Field ID	Sample Description	Lab # 09B	Date Sampled: ~~Start~~ Date/~~Time~~	~~Stop~~ ~~Date~~/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP metals + Hg	TCLP metals + Hg	VOCs *	SVOCs	PAHs	TPH 8100				
	TRC-24 (1)	01566	1/22/09	0905		G	S	L	X				X					
	TRC-24 (7)	01567/81		0910					X	X	X	X	X	X				
	TRC-24 (12)	01568		0915					X				X					
	TRC-24 (17) HOLD	"		0920					X				X				(HOLD)	
	TRC-23 (1)	01569		1000					X				X					
	TRC-23 (8)	01570/82		1005					X	X	X	X	X	X				
	TRC-23 (12)	01571		1010					X				X					
	TRC-23 (17) HOLD		1/22/09	1015		G	S	L	X				X				(HOLD)	

	1	1	3	1	1	1						# of containers
	G	G	V	G	G	G						**Preservation
	I	I	M/S	I	I	I						~Cont.Code

ANALYSIS REQUESTED

* Not pre-labeled so single location and time on vial cap

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

Client Comments: Rush 24-hr turnaround on all samples (except holds) + Additional 4 oz jar for metals & PAHs to make sure have sufficient volume

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: 1/22/09 1330	
Received by: (signature)	Date/Time: 1/22/09 1330	
Relinquished by: (signature)	Date/Time: 1-22-09 1605	
Received by: (signature)	Date/Time: 1/22/09 1605	

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

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's: See Page

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

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

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

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Fax: 413-525-6405
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www.contestlabs.com

CHAIN OF CUSTODY RECORD

L1M1-22747

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

Company Name: TRC
Address: 650 Suffolk St.
Lowell MA 01854
Attention: David Sullivan
Project Location: City of NB (KJH)
Sampled By: Jeff Saunders

Telephone: (978) 656-3565
Project # 115055
Client PO # ____

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 Unknown proposal date

State Form Required? ☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 09B	Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Total Metals +Hg	~~Total Metals +Hg~~ (F)	~~Hg~~ * (F)	~~SVOC~~ (F)	PCBs	~~Total SVOC~~ (F)					
									1	1	3	1	1	1					
									G	G	V	G	G	G					
									I	I	M/B	I	I	I					
	TRC-25(1)	01572	1/22/09	1050		G	S	L	X				X						
	TRC-25(5)	01573		1100					X				X						
	TRC-25(8)	01574		1105					X				X						
	TRC-25(12) (HOLD)			1110					X				X						
	TRC-26(1)	01575		1130					X				X						
	TRC-26(5)	01576		1135					X				X						
	TRC-26(9) pm 1/22	01577		1140					X				X				(Triple Vol)		
	TRC-26(12) (HOLD)		1/22/09	1145		G	S	L	X				X						

* Not probable so sample location and time on vial cap

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

Client Comments:
Rush 24 hr turnaround on all samples (except holds) & Additional 9 oz jars for PAHs & metals to make sure have sufficient volume

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: 1/22/09 1330
Received by: (signature)	Date/Time: 1/22/09 1330
Relinquished by: (signature)	Date/Time: 1-22-09 1605
Received by: (signature)	Date/Time: 1/22/09 1605

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

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
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
X = Na hydroxide
H = HCL
T = Na thiosulfate
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
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.

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CHAIN OF CUSTODY RECORD

Limit 22 744

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

Company Name: TRC
Address: 650 Suffolk St.
Lowell MA 01854
Attention: David Sullivan
Project Location: City of NB (KJH)
Sampled By: Jeff Saunders

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

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 Unknown proposal date

State Form Required? ☒ yes ☐ no

Field ID	Sample Description	Lab # 09B	Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP metals 14	Parts											Client Comments:
									1	1											# of containers
									G	G											**Preservation
									I	I											~Cont.Code
	TRC-27 (1)	01578	1/22/09	1210		G	S	L	X	X											
	TRC-27 (5)	01579	↓	1215		↓	↓	↓	X	X											* Rush 24-hr turnaround
	TRC-27 (7)	01580	↓	1220		↓	↓	↓	X	X											
	TRC-27 (10) (Hold)		1/22/09	1225		G	S	L	X	X											(Hold)

ANALYSIS REQUESTED

~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: 1/22/09 1330
Received by: (signature)	Date/Time: 1/22/09 1330
Relinquished by: (signature)	Date/Time: 1-22-09 1605
Received by: (signature)	Date/Time: 1/22/09 1605

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

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
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

** 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 Low RECEIVED BY: CEC DATE: 11/22/08

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank 4.0°C Temperature °C by Temp gun _____

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

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? Yes No Stored where: 19

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	4
500 mL Amber		4 oz clear jar	24
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

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

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ANALYTICAL LABORATORY

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REPORT DATE 1/26/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22781
JOB NUMBER: 115058

PROJECT LOCATION: CITY OF NEW BEDFORD

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
TRC-10(12)	09B01715	SOIL	Not Specified	tclp - lead icp	
TRC-10(12)	09B01716	SOIL	Not Specified	6010 drywt mcp	
TRC-10(12)	09B01716	SOIL	Not Specified	hg (mg/kg) dw	
TRC-10(12)	09B01716	SOIL	Not Specified	solids (percent)	
TRC-10(9)	09B01714	SOIL	Not Specified	tclp - lead icp	

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REPORT DATE 1/26/2009

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PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22781
JOB NUMBER: 115058

Comments :

LIMS BATCH NO. : LIMT-22781

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 6010, the low level calibration check is outside control limits for TOTAL As and Zn. Reported results for these elements at or near the detection limit may be bias on the high side for Zn and on the low side for As. Method blank contamination noted above the reporting limit for TOTAL Zn. Reported results for this element may be bias on the high side.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846-6010 - ADDITIONAL DETAILS

A matrix spike performed on TCLP sample 09B01714.
For the TCLP samples, only Pb was requested and reported.

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

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 individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 1/26/09

SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/26/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/23/2009
Field Sample # : TRC-10(12)

LIMS-BAT #: LIMT-22781
Job Number: 115058

Sample ID : 09B01716

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/26/09	OP	4.78			
Arsenic	mg/kg dry wt	ND	01/26/09	OP	2.99			
Barium	mg/kg dry wt	18.4	01/26/09	OP	5.97			
Beryllium	mg/kg dry wt	0.37	01/26/09	OP	0.30			
Cadmium	mg/kg dry wt	ND	01/26/09	OP	0.30			
Chromium	mg/kg dry wt	11.0	01/26/09	OP	0.60			
Lead	mg/kg dry wt	1.92	01/26/09	OP	0.90			
Nickel	mg/kg dry wt	5.31	01/26/09	OP	0.60			
Selenium	mg/kg dry wt	ND	01/26/09	OP	5.97			
Silver	mg/kg dry wt	ND	01/26/09	OP	0.60			
Thallium	mg/kg dry wt	ND	01/26/09	OP	3.58			
Vanadium	mg/kg dry wt	12.3	01/26/09	OP	5.97			
Zinc	mg/kg dry wt	15.4	01/26/09	OP	1.20			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/26/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/23/2009
Field Sample # : TRC-10(12)

LIMS-BAT #: LIMT-22781
Job Number: 115058

Sample ID : 09B01716

‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/26/09	KM	0.015			

Analytical Method:
SW846 3050/7471
SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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650 SUFFOLK STREET
LOWELL, MA 01852

1/26/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/23/2009
Field Sample # : TRC-10(12)
Sample ID : 09B01716
‡Sampled : 1/20/2009
Not Specified
Sample Matrix: SOIL

LIMS-BAT #: LIMT-22781
Job Number: 115058

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	83.8	01/26/09	FD				

Analytical Method:
SM 2540G
PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/26/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/23/2009
LIMS-BAT #: LIMT-22781
Job Number: 115058

Field Sample # : TRC-10(12)

Sample ID : 09B01715 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/l leachate	ND	01/26/09	OP	0.015		5	P

Field Sample # : TRC-10(9)

Sample ID : 09B01714 ‡Sampled : 1/20/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/l leachate	0.076	01/26/09	OP	0.015		5	P

Analytical Method:
SW846 1311/6010
SAMPLES ARE EXTRACTED INTO pH 5.0 BUFFER FOR 18-24 HOURS AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

RL = Reporting Limit
ND = Not Detected at or above the Reporting Limit
NM = Not Measured
* = See end of report for comments and notes applying to this sample
‡ = See attached chain-of-custody record for time sampled

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/26/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/23/2009

LIMS-BAT #: LIMT-22781
Job Number: 115058

** END OF REPORT **

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/26/2009 Lims Bat # : LIMT-22781

QC Batch Number: HG-9802

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128826					
	Mercury	Blank	<0.025	mg/kg dry wt	
LFBLANK-90889					
	Mercury	Lab Fort Blank Amt.	1.250	mg/kg dry wt	
		Lab Fort Blk. Found	1.179	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.350	%	65.9-133
		Dup Lab Fort Bl Amt.	1.250	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.137	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.005	%	65.9-133
		Lab Fort Blank Range	3.344	units	
		Lab Fort Bl. Av. Rec	92.678	%	
		LFB Duplicate RPD	3.608	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/26/2009 Lims Bat # : LIMT-22781

QC Batch Number: ICP-21024

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128824					
	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Barium	Blank	<5.00	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Vanadium	Blank	<5.00	mg/kg dry wt	
	Zinc	Blank	1.96	mg/kg dry wt	
LFBLANK-90880					
	Silver	Lab Fort Blank Amt.	81.20	mg/kg dry wt	
		Lab Fort Blk. Found	80.17	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.73	%	66-133
		Dup Lab Fort Bl Amt.	81.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	80.31	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.91	%	66-133
		Lab Fort Blank Range	0.18	units	
		Lab Fort Bl. Av. Rec	98.82	%	
		LFB Duplicate RPD	0.18	%	0-30
	Arsenic	Lab Fort Blank Amt.	133.00	mg/kg dry wt	
		Lab Fort Blk. Found	141.41	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.32	%	80-120
		Dup Lab Fort Bl Amt.	133.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	140.94	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.97	%	80-120
		Lab Fort Blank Range	0.34	units	
		Lab Fort Bl. Av. Rec	106.15	%	
		LFB Duplicate RPD	0.32	%	0-30
	Barium	Lab Fort Blank Amt.	226.00	mg/kg dry wt	
		Lab Fort Blk. Found	228.34	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.03	%	81-119
		Dup Lab Fort Bl Amt.	226.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	235.18	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.06	%	81-119
		Lab Fort Blank Range	3.02	units	
		Lab Fort Bl. Av. Rec	102.54	%	
		LFB Duplicate RPD	2.95	%	0-30
	Beryllium	Lab Fort Blank Amt.	117.00	mg/kg dry wt	
		Lab Fort Blk. Found	128.69	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/26/2009 Lims Bat # : LIMT-22781

QC Batch Number: ICP-21024

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90880					
	Beryllium	Lab Fort Blk. % Rec.	110.00	%	84-116
		Dup Lab Fort Bl Amt.	117.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	128.37	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.71	%	84-116
		Lab Fort Blank Range	0.28	units	
		Lab Fort Bl. Av. Rec	109.85	%	
		LFB Duplicate RPD	0.25	%	0-30
	Cadmium	Lab Fort Blank Amt.	103.00	mg/kg dry wt	
		Lab Fort Blk. Found	110.01	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.80	%	83-117
		Dup Lab Fort Bl Amt.	103.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	110.16	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.95	%	83-117
		Lab Fort Blank Range	0.14	units	
		Lab Fort Bl. Av. Rec	106.87	%	
		LFB Duplicate RPD	0.13	%	0-30
	Chromium	Lab Fort Blank Amt.	219.00	mg/kg dry wt	
		Lab Fort Blk. Found	239.70	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.45	%	82-118
		Dup Lab Fort Bl Amt.	219.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	241.93	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.47	%	82-118
		Lab Fort Blank Range	1.01	units	
		Lab Fort Bl. Av. Rec	109.96	%	
		LFB Duplicate RPD	0.92	%	0-30
	Nickel	Lab Fort Blank Amt.	119.00	mg/kg dry wt	
		Lab Fort Blk. Found	124.23	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.39	%	80-120
		Dup Lab Fort Bl Amt.	119.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	124.17	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.34	%	80-120
		Lab Fort Blank Range	0.05	units	
		Lab Fort Bl. Av. Rec	104.36	%	
		LFB Duplicate RPD	0.04	%	0-30
	Lead	Lab Fort Blank Amt.	168.00	mg/kg dry wt	
		Lab Fort Blk. Found	167.08	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.45	%	82-118
		Dup Lab Fort Bl Amt.	168.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	161.94	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.39	%	82-118
		Lab Fort Blank Range	3.05	units	
		Lab Fort Bl. Av. Rec	97.92	%	
		LFB Duplicate RPD	3.12	%	0-30

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/26/2009 Lims Bat # : LIMT-22781

QC Batch Number: ICP-21024

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90880					
	Antimony	Lab Fort Blank Amt.	79.20	mg/kg dry wt	
		Lab Fort Blk. Found	81.15	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.46	%	30-207
		Dup Lab Fort Bl Amt.	79.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	79.23	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	100.03	%	30-207
		Lab Fort Blank Range	2.42	units	
		Lab Fort Bl. Av. Rec	101.25	%	
		LFB Duplicate RPD	2.39	%	0-30
	Selenium	Lab Fort Blank Amt.	94.10	mg/kg dry wt	
		Lab Fort Blk. Found	96.84	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.91	%	77-123
		Dup Lab Fort Bl Amt.	94.10	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	99.17	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.38	%	77-123
		Lab Fort Blank Range	2.47	units	
		Lab Fort Bl. Av. Rec	104.14	%	
		LFB Duplicate RPD	2.37	%	0-30
	Thallium	Lab Fort Blank Amt.	152.00	mg/kg dry wt	
		Lab Fort Blk. Found	167.96	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.50	%	82-120
		Dup Lab Fort Bl Amt.	152.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	166.13	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.29	%	82-120
		Lab Fort Blank Range	1.20	units	
		Lab Fort Bl. Av. Rec	109.89	%	
		LFB Duplicate RPD	1.09	%	0-30
	Vanadium	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	131.04	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.53	%	80-120
		Dup Lab Fort Bl Amt.	123.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	130.69	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.25	%	80-120
		Lab Fort Blank Range	0.28	units	
		Lab Fort Bl. Av. Rec	106.39	%	
		LFB Duplicate RPD	0.26	%	0-30
	Zinc	Lab Fort Blank Amt.	280.00	mg/kg dry wt	
		Lab Fort Blk. Found	289.00	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.21	%	81-119
		Dup Lab Fort Bl Amt.	280.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	291.42	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.07	%	81-119
		Lab Fort Blank Range	0.86	units	

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QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/26/2009 Lims Bat # : LIMT-22781

QC Batch Number: ICP-21024

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90880					
	Zinc	Lab Fort Bl. Av. Rec	103.64	%	
		LFB Duplicate RPD	0.83	%	0-30

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/26/2009 Lims Bat # : LIMT-22781

QC Batch Number: ICP/TCLP-4656

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01714					
	Lead	Sample Amount	0.075	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.555	mg/l leachate	
		Matrix Spike % Rec.	96.000	%	70-130
BLANK-128811					
	Lead	Blank	<0.015	mg/l leachate	
LFBLANK-90865					
	Lead	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.489	mg/l leachate	
		Lab Fort Blk. % Rec.	97.900	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.487	mg/l leachate	
		Dup Lab Fort Bl %Rec	97.520	%	
		Lab Fort Blank Range	0.380	units	
		Lab Fort Bl. Av. Rec	97.710	%	
		LFB Duplicate RPD	0.388	%	

con-test ANALYTICAL LABORATORY

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: LIMT-22781
Project Location: CITY OF NEW BEDFORD	MADEP RTN[1]:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]
09B01714-09B01716

Sample Matrices: ☐ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other: _____

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☒ Yes ☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☒ Yes ☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No[1]
D	***VPH and EPH Methods only***: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☐ Yes ☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☒ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☒ No[1]

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

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

Signature: Edward Denson	**Position: Technical Director**
Printed Name: Edward Denson	**Date:** 1/26/09

D-6
6

Lmt # 22781

CHAIN OF CUSTODY RECORD

~~Lmt # 22703~~

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www.contestlabs.com
39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: TRC
Address: 650 Suffolk Street
Lowell, MA 01854
Attention: David Sullivan
Project Location: City of New Bedford
Sampled By: Jeff Saunders/Emilie Walthal

Telephone: (978) 656-3585
Project # 115058
Client PO #

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 Unknown proposal date
State Form Required? ☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 09B	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP Metals	TCLP Metals	VOCs *	SVOCs	PAHs	TPH 8100	⊛ MCP Metals + Hg	⊛ TCLP Pb			
	TRC-1 (1)	01407	1/20/09	1000		G	S	L	X				X						
	TRC-1 (5)	01408/13		1010					X	X	X	X	X	X					
	TRC-1 (5)	01409		1005					X				X						
	TRC-1 (10) (HOLD)			1020					X				X					(Hold)	
	TRC-10 (1)	01410		1415					X				X						
	TRC-10 (4)	01411/14		1420					X	X	X	X	X	X					
⊛	TRC-10 (9)	~~01412~~ 0714		1425					X				X			X			
⊛	TRC-10 (12) (HOLD)	01715/16	1/20/09	1430		G	S	L	X				X		X	X			

* Not pre-labeled so sample location/time written on the vial cap

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

												# of containers
1	1	3	1	1	1							# of containers
G	G	V	G	G	G							**Preservation
I	I	M/B	I	I	I							-Cont.Code

Client Comments: * Rush 24-hr turnaround on all samples & additional 4 oz jar for total metals & pH to make sure there is sufficient volume

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

Laboratory Comments: Please analyze TRC-10(9) for TCLP Pb and TRC-10(12) for MCP metals + Hg and TCLP Pb per attached email! TCLP Reg 1 only per D. Sullivan 1/21/09 TRF

Relinquished by: (signature)	Date/Time: 1/20/09 1440
Received by: (signature)	Date/Time: 1/20/09 1447
Relinquished by: (signature)	Date/Time: 1/20/09 1654
Received by: (signature) Temp 3C	Date/Time: 1/20/09 16:54

MD 1/21/09

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

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
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

** 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.

See Attached

AIHA, NELAC & WBE/DBE Certified

SAMPLE REACTIVATION FORM

COMPANY TRC-Lowell LOCATION B

CONTACT Dave Sullivan PROJECT ID

CONTACT PHONE FAX

DATE 4/23 TIME 7:43 TAT 24 hour DUE DATE

REQUEST TAKEN BY GIVEN TO

ACTIVATION REQUEST:

Please activate TRC-10(9) for TCLP Pb and TRC-10(12) for MCP metals + Hg and TCLP Pb.

(*) 24 hour per TLF.

SPECIAL INSTRUCTIONS AND TERMS:

See COC

FAXED TO CONTACT FOR APPROVAL: Y N

ACTIVATION IS CORRECT PER OUR REQUEST _____ DATE _____
INITIALS

CONTEST FINAL APPROVAL _____

tferrentino@contestlabs.com

From: "Sullivan, Dave (Lowell,MA-US)" <DSullivan@TRCSOLUTIONS.com>
To: <tferrentino@contestlabs.com>
Cc: "Zhou, Ping (Lowell,MA-US)" <PZhou@trcsolutions.com>; "Denly, Elizabeth (Lowell,MA-US)" <edenly@trcsolutions.com>; "Kitchin, Kevin (Lowell,MA-US)" <KKitchin@trcsolutions.com>; "Hamilton, Amy (Lowell,MA-US)" <AHamilton@trcsolutions.com>
Sent: Friday, January 23, 2009 7:43 AM
Attach: LIMT-22703.csv; LIMT-22703.pdf; LIMT-22703.XLS
Subject: FW: Con - Test Lab Results

Theresa:

Thanks for the data you shipped out last night. Please see what you can do about the following:

- Analyze hold sample TRC-10(12) for MCP metals (including mercury). If you have enough to squeeze in a TCLP lead, please do so.
- Analyze TRC-10(9) for TCLP Lead. The total result exceeds the 20:1 rule-of-thumb and characterization for off-site acceptance criteria is important to us.

Expediting things to the extent you can will be most welcome, as we have been discussing.

Also, please do not discard any sample volume from this particular portion of the site on your usual schedule. I have a feeling we may need to go back and revisit things. Just a hunch at this point....

-Dave

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: Con-Test Lab Reporting [mailto:ConTestLabReporting@contestlabs.com]
Sent: Thursday, January 22, 2009 6:26 PM
To: Sullivan, Dave (Lowell,MA-US)
Subject: Con - Test Lab Results

LIMT- 22703
Project Location: City of New Bedford
Samples Received: 1/20/09
Project Manager: David Sullivan

Please note -- all subcontracted analyses and some air analyses (air special test) cannot be imported in .xls or specialized EDD formats. Please review your .pdf for these analyses.

Con-Test Analytical Laboratory
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East Longmeadow, MA 01028
413.525.2332
413.525.6405
www.contestlabs.com

con-test®
ANALYTICAL LABORATORY

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REPORT DATE 1/28/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVE SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22799
JOB NUMBER: 115058

PROJECT LOCATION: FMR KEITH JUNIOR HIGH

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
TRC-39 (12FT)	09B01831	SOIL	Not Specified	6010 drywt mcp	
TRC-39 (12FT)	09B01831	SOIL	Not Specified	hg (mg/kg) dw	
TRC-39 (12FT)	09B01831	SOIL	Not Specified	solids (percent)	
TRC-39 (12FT)	09B01832	SOIL	Not Specified	tclp - metals	
TRC-39 (8FT)	09B01833	SOIL	Not Specified	tclp - lead icp	

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REPORT DATE 1/28/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVE SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22799
JOB NUMBER: 115058

Comments :

LIMS BATCH NO. : LIMT-22799

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 6010, the soil low level calibration check is outside control limits for Zn. Reported results for this element at or near the detection limit may be bias on the high side.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846-6010 - ADDITIONAL DETAILS

Soil method blank contamination noted above the reporting limit for Zn. Data is not affected since the sample result is >10x the level of contamination.

Matrix spike performed on TCLP sample 09B01832.

For sample 09B01833, only TCLP lead results were requested and reported.
For sample 09B01832, only TCLP RCRA 8 metals results were requested and reported.

METHOD SW846 7470/7471A - ADDITIONAL DETAILS

A matrix spike was performed on TCLP sample 09B01832.

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

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 individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

SIGNATURE DATE

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REPORT DATE 1/28/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVE SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22799
JOB NUMBER: 115058

Comments :

LIMS BATCH NO. : LIMT-22799

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 6010, the soil low level calibration check is outside control limits for Zn. Reported results for this element at or near the detection limit may be bias on the high side.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846-6010 - ADDITIONAL DETAILS

Soil method blank contamination noted above the reporting limit for Zn. Data is not affected since the sample result is >10x the level of contamination.

Matrix spike performed on TCLP sample 09B01832.

For sample 09B01833, only TCLP lead results were requested and reported.
For sample 09B01832, only TCLP RCRA 8 metals results were requested and reported.

METHOD SW846 7470/7471A - ADDITIONAL DETAILS

A matrix spike was performed on TCLP sample 09B01832.

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

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 individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

M Lulls	1/28/09	Tod Kopyscinski Air Laboratory Manager	Michael Erickson Assistant Laboratory Director
SIGNATURE	DATE		

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: FMR KEITH JUNIOR HIGH
Date Received: 1/26/2009
Field Sample # : TRC-39 (12FT)

LIMS-BAT #: LIMT-22799
Job Number: 115058

Sample ID : 09B01831

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/27/09	OP	4.89			
Arsenic	mg/kg dry wt	ND	01/27/09	OP	3.06			
Barium	mg/kg dry wt	21.4	01/27/09	OP	6.11			
Beryllium	mg/kg dry wt	0.38	01/27/09	OP	0.31			
Cadmium	mg/kg dry wt	ND	01/27/09	OP	0.31			
Chromium	mg/kg dry wt	8.37	01/27/09	OP	0.62			
Lead	mg/kg dry wt	6.30	01/27/09	OP	0.92			
Nickel	mg/kg dry wt	5.61	01/27/09	OP	0.62			
Selenium	mg/kg dry wt	ND	01/27/09	OP	6.11			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.62			
Thallium	mg/kg dry wt	ND	01/27/09	OP	3.67			
Vanadium	mg/kg dry wt	12.5	01/27/09	OP	6.11			
Zinc	mg/kg dry wt	23.7	01/27/09	OP	1.23			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: FMR KEITH JUNIOR HIGH
Date Received: 1/26/2009
Field Sample # : TRC-39 (12FT)

LIMS-BAT #: LIMT-22799
Job Number: 115058

Sample ID : 09B01831

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/27/09	KM	0.020			

Analytical Method:
SW846 3050/7471
SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: FMR KEITH JUNIOR HIGH
Date Received: 1/26/2009
Field Sample # : TRC-39 (12FT)

LIMS-BAT #: LIMT-22799
Job Number: 115058

Sample ID : 09B01831

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	81.9	01/27/09	FD				

Analytical Method:
SM 2540G
PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: FMR KEITH JUNIOR HIGH
Date Received: 1/26/2009
Field Sample # : TRC-39 (8FT)

LIMS-BAT #: LIMT-22799
Job Number: 115058

Sample ID : 09B01833

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Lead	mg/l leachate	1.74	01/27/09	KSH	0.015		5	P

Analytical Method:
SW846 1311/6010
SAMPLES ARE EXTRACTED INTO pH 5.0 BUFFER FOR 18-24 HOURS AND THEN ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: FMR KEITH JUNIOR HIGH
Date Received: 1/26/2009
Field Sample # : TRC-39 (12FT)

LIMS-BAT #: LIMT-22799
Job Number: 115058

Sample ID : 09B01832

‡Sampled : 1/21/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/27/09	KSH	0.010		5	P
Barium	mg/l leachate	0.18	01/27/09	KSH	0.10		100	P
Cadmium	mg/l leachate	ND	01/27/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	01/27/09	KSH	0.01		5	P
Lead	mg/l leachate	ND	01/27/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	01/28/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/27/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	01/27/09	KSH	0.005		5	P

Analytical Method:

SW846 1311/6010 1311/7470

SW846 1311 TCLP EXTRACTION. SAMPLES ARE EXTRACTED FOR 18-24 HOURS INTO A pH 5.0 BUFFER SOLUTION TO PRODUCE A LEACHATE. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

SW846 6010 ARSENIC, BARIUM, CADMIUM, CHROMIUM, LEAD, SELENIUM AND SILVER LEACHATES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY.

SW846 7470 MERCURY LEACHATE IS ANALYZED BY COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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DAVE SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: FMR KEITH JUNIOR HIGH
Date Received: 1/26/2009

LIMS-BAT #: LIMT-22799
Job Number: 115058

** END OF REPORT **

RL = Reporting Limit

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22799

QC Batch Number: HG-9807

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128881					
	Mercury	Blank	<0.025	mg/kg dry wt	
LFBLANK-90950					
	Mercury	Lab Fort Blank Amt.	1.250	mg/kg dry wt	
		Lab Fort Blk. Found	1.062	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.017	%	65.9-133
		Dup Lab Fort Bl Amt.	1.250	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.407	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	112.596	%	65.9-133
		Lab Fort Blank Range	27.578	units	
		Lab Fort Bl. Av. Rec	98.806	%	
		LFB Duplicate RPD	27.911	%	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22799

QC Batch Number: HG/TCLP-3435

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01832					
	Mercury	Sample Amount	<0.00010	mg/l leachate	
		Matrix Spk Amt Added	0.00200	mg/l leachate	
		MS Amt Measured	0.00183	mg/l leachate	
		Matrix Spike % Rec.	91.90000	%	75-125
BLANK-128896					
	Mercury	Blank	<0.00010	mg/l leachate	
LFBLANK-90967					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l leachate	
		Lab Fort Blk. Found	0.00180	mg/l leachate	
		Lab Fort Blk. % Rec.	90.25000	%	80-120
		Dup Lab Fort Bl Amt.	0.00200	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.00183	mg/l leachate	
		Dup Lab Fort Bl %Rec	91.90000	%	
		Lab Fort Blank Range	1.64999	units	
		Lab Fort Bl. Av. Rec	91.07500	%	
		LFB Duplicate RPD	1.81169	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22799

QC Batch Number: ICP-21037

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128869					
	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Barium	Blank	<5.00	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Vanadium	Blank	<5.00	mg/kg dry wt	
	Zinc	Blank	2.23	mg/kg dry wt	
LFBLANK-90936					
	Silver	Lab Fort Blank Amt.	81.20	mg/kg dry wt	
		Lab Fort Blk. Found	90.74	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.74	%	66-133
		Dup Lab Fort Bl Amt.	81.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	83.66	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.02	%	66-133
		Lab Fort Blank Range	8.71	units	
		Lab Fort Bl. Av. Rec	107.38	%	
		LFB Duplicate RPD	8.11	%	0-30
	Arsenic	Lab Fort Blank Amt.	133.00	mg/kg dry wt	
		Lab Fort Blk. Found	150.69	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.30	%	80-120
		Dup Lab Fort Bl Amt.	133.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	143.91	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.21	%	80-120
		Lab Fort Blank Range	5.09	units	
		Lab Fort Bl. Av. Rec	110.75	%	
		LFB Duplicate RPD	4.60	%	0-30
	Barium	Lab Fort Blank Amt.	226.00	mg/kg dry wt	
		Lab Fort Blk. Found	252.81	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.86	%	81-119
		Dup Lab Fort Bl Amt.	226.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	236.59	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.68	%	81-119
		Lab Fort Blank Range	7.17	units	
		Lab Fort Bl. Av. Rec	108.27	%	
		LFB Duplicate RPD	6.62	%	0-30
	Beryllium	Lab Fort Blank Amt.	117.00	mg/kg dry wt	
		Lab Fort Blk. Found	126.13	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22799

QC Batch Number: ICP-21037

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90936					
	Beryllium	Lab Fort Blk. % Rec.	107.80	%	84-116
		Dup Lab Fort Bl Amt.	117.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	121.40	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.76	%	84-116
		Lab Fort Blank Range	4.04	units	
		Lab Fort Bl. Av. Rec	105.78	%	
		LFB Duplicate RPD	3.82	%	0-30
	Cadmium	Lab Fort Blank Amt.	103.00	mg/kg dry wt	
		Lab Fort Blk. Found	117.47	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.04	%	83-117
		Dup Lab Fort Bl Amt.	103.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	111.83	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.57	%	83-117
		Lab Fort Blank Range	5.47	units	
		Lab Fort Bl. Av. Rec	111.31	%	
		LFB Duplicate RPD	4.91	%	0-30
	Chromium	Lab Fort Blank Amt.	219.00	mg/kg dry wt	
		Lab Fort Blk. Found	251.38	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.78	%	82-118
		Dup Lab Fort Bl Amt.	219.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	243.76	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.30	%	82-118
		Lab Fort Blank Range	3.47	units	
		Lab Fort Bl. Av. Rec	113.04	%	
		LFB Duplicate RPD	3.07	%	0-30
	Nickel	Lab Fort Blank Amt.	119.00	mg/kg dry wt	
		Lab Fort Blk. Found	131.96	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.89	%	80-120
		Dup Lab Fort Bl Amt.	119.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	126.91	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.64	%	80-120
		Lab Fort Blank Range	4.24	units	
		Lab Fort Bl. Av. Rec	108.76	%	
		LFB Duplicate RPD	3.90	%	0-30
	Lead	Lab Fort Blank Amt.	168.00	mg/kg dry wt	
		Lab Fort Blk. Found	177.33	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.55	%	82-118
		Dup Lab Fort Bl Amt.	168.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	162.88	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.95	%	82-118
		Lab Fort Blank Range	8.59	units	
		Lab Fort Bl. Av. Rec	101.25	%	
		LFB Duplicate RPD	8.48	%	0-30

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22799

QC Batch Number: ICP-21037

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90936					
	Antimony	Lab Fort Blank Amt.	79.20	mg/kg dry wt	
		Lab Fort Blk. Found	97.50	mg/kg dry wt	
		Lab Fort Blk. % Rec.	123.10	%	30-207
		Dup Lab Fort Bl Amt.	79.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	92.58	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	116.89	%	30-207
		Lab Fort Blank Range	6.21	units	
		Lab Fort Bl. Av. Rec	120.00	%	
		LFB Duplicate RPD	5.17	%	0-30
	Selenium	Lab Fort Blank Amt.	94.10	mg/kg dry wt	
		Lab Fort Blk. Found	106.35	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.01	%	77-123
		Dup Lab Fort Bl Amt.	94.10	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	101.74	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.11	%	77-123
		Lab Fort Blank Range	4.89	units	
		Lab Fort Bl. Av. Rec	110.56	%	
		LFB Duplicate RPD	4.43	%	0-30
	Thallium	Lab Fort Blank Amt.	152.00	mg/kg dry wt	
		Lab Fort Blk. Found	178.24	mg/kg dry wt	
		Lab Fort Blk. % Rec.	117.26	%	82-120
		Dup Lab Fort Bl Amt.	152.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	168.75	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.01	%	82-120
		Lab Fort Blank Range	6.24	units	
		Lab Fort Bl. Av. Rec	114.14	%	
		LFB Duplicate RPD	5.46	%	0-30
	Vanadium	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	141.13	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.74	%	80-120
		Dup Lab Fort Bl Amt.	123.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	134.41	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.27	%	80-120
		Lab Fort Blank Range	5.47	units	
		Lab Fort Bl. Av. Rec	112.01	%	
		LFB Duplicate RPD	4.88	%	0-30
	Zinc	Lab Fort Blank Amt.	280.00	mg/kg dry wt	
		Lab Fort Blk. Found	308.01	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.00	%	81-119
		Dup Lab Fort Bl Amt.	280.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	297.41	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.21	%	81-119
		Lab Fort Blank Range	3.78	units	

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QC SUMMARY REPORT

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Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22799

QC Batch Number: ICP-21037

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90936					
	Zinc	Lab Fort Bl. Av. Rec	108.11	%	
		LFB Duplicate RPD	3.50	%	0-30

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QC SUMMARY REPORT

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Report Date: 1/28/2009 Lims Bat # : LIMT-22799

QC Batch Number: ICP/TCLP-4659

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01832					
	Silver	Sample Amount	<0.005	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.481	mg/l leachate	
		Matrix Spike % Rec.	96.220	%	
	Arsenic	Sample Amount	<0.010	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.589	mg/l leachate	
		Matrix Spike % Rec.	117.920	%	70-130
	Barium	Sample Amount	0.18	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.68	mg/l leachate	
		Matrix Spike % Rec.	100.13	%	70-130
	Cadmium	Sample Amount	<0.005	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.515	mg/l leachate	
		Matrix Spike % Rec.	103.180	%	70-130
	Chromium	Sample Amount	<0.01	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.51	mg/l leachate	
		Matrix Spike % Rec.	103.16	%	70-130
	Lead	Sample Amount	<0.015	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.496	mg/l leachate	
		Matrix Spike % Rec.	99.320	%	70-130
	Selenium	Sample Amount	<0.05	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.53	mg/l leachate	
		Matrix Spike % Rec.	106.30	%	70-130
BLANK-128879					
	Silver	Blank	<0.005	mg/l leachate	
	Arsenic	Blank	<0.010	mg/l leachate	
	Barium	Blank	<0.10	mg/l leachate	
	Cadmium	Blank	<0.005	mg/l leachate	
	Chromium	Blank	<0.01	mg/l leachate	
	Lead	Blank	<0.015	mg/l leachate	
	Selenium	Blank	<0.05	mg/l leachate	
LFBLANK-90948					
	Silver	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.459	mg/l leachate	
		Lab Fort Blk. % Rec.	91.900	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.483	mg/l leachate	
		Dup Lab Fort Bl %Rec	96.700	%	

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Report Date: 1/28/2009 Lims Bat # : LIMT-22799

QC Batch Number: ICP/TCLP-4659

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90948					
	Silver	Lab Fort Blank Range	4.799	units	
		Lab Fort Bl. Av. Rec	94.300	%	
		LFB Duplicate RPD	5.090	%	
	Arsenic	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.550	mg/l leachate	
		Lab Fort Blk. % Rec.	110.140	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.572	mg/l leachate	
		Dup Lab Fort Bl %Rec	114.420	%	
		Lab Fort Blank Range	4.279	units	
		Lab Fort Bl. Av. Rec	112.280	%	
		LFB Duplicate RPD	3.811	%	
	Barium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.50	mg/l leachate	
		Lab Fort Blk. % Rec.	101.34	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.51	mg/l leachate	
		Dup Lab Fort Bl %Rec	103.38	%	
		Lab Fort Blank Range	2.03	units	
		Lab Fort Bl. Av. Rec	102.36	%	
		LFB Duplicate RPD	1.99	%	
	Cadmium	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.495	mg/l leachate	
		Lab Fort Blk. % Rec.	99.100	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.505	mg/l leachate	
		Dup Lab Fort Bl %Rec	101.180	%	
		Lab Fort Blank Range	2.079	units	
		Lab Fort Bl. Av. Rec	100.140	%	
		LFB Duplicate RPD	2.077	%	
	Chromium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.49	mg/l leachate	
		Lab Fort Blk. % Rec.	99.36	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.50	mg/l leachate	
		Dup Lab Fort Bl %Rec	101.06	%	
		Lab Fort Blank Range	1.69	units	
		Lab Fort Bl. Av. Rec	100.21	%	
		LFB Duplicate RPD	1.69	%	
	Lead	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.462	mg/l leachate	
		Lab Fort Blk. % Rec.	92.480	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	

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QC SUMMARY REPORT

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Standard Reference Materials and Duplicates
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Report Date: 1/28/2009 Lims Bat # : LIMT-22799

QC Batch Number: ICP/TCLP-4659

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90948					
	Lead	Dup Lab Fort Bl. Fnd	0.481	mg/l leachate	
		Dup Lab Fort Bl %Rec	96.380	%	
		Lab Fort Blank Range	3.900	units	
		Lab Fort Bl. Av. Rec	94.430	%	
		LFB Duplicate RPD	4.130	%	
	Selenium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.53	mg/l leachate	
		Lab Fort Blk. % Rec.	106.02	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.55	mg/l leachate	
		Dup Lab Fort Bl %Rec	110.88	%	
		Lab Fort Blank Range	4.86	units	
		Lab Fort Bl. Av. Rec	108.45	%	
		LFB Duplicate RPD	4.48	%	

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QC SUMMARY REPORT

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QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: LIMT - 22799
Project Location: Fmr Keith Junior High	MADEP RTN[1]:

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

09B01831 - 09B01833

Sample Matrices: ☐ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other: _____

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☒ Yes ☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☒ Yes ☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No[1]
D	***VPH and EPH Methods only***: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☐ Yes ☐ No [1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☒ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☒ No[1]

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

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

Signature: MM Erickson	**Position: Assistant Laboratory Director**
Printed Name: Michael Erickson	**Date:** 1/28/09

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CHAIN OF CUSTODY RECORD

Limit # ~~22731~~ 22744

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

Company Name: TRC Environmental
Address: 650 Suffolk St. Lowell, MA 01854
Attention: Dave Sullivan
Project Location: Fmr Keith Junior High
Sampled By: E. Wachtel + K. Hutchin

Telephone: (978) 970-5600
Project # 115058
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax #: 978-453-1945
Email: dsullivan@trcsolutions.com
Format: ☒ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

Proposal Provided? (For Billing purposes) ☐ yes _____ proposal date

State Form Required? ☐ yes ☐ no

ANALYSIS REQUESTED

* Not preliminary so sample legitimate time written on and dup

Field ID	Sample Description	Lab # 09B	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP Metals	EPA RCRA MCP Metals	VOCs*	SVOCs	PAHs	TPH 8100							# of containers	**Preservation	~Cont.Code
																					G	A	G
																					I	I	I
	TRC-39D (1')	01505	1/21/09	925		G	S	L	X				X										
	TRC-39 (1')	01506	1/21/09	1025					X				X										
	TRC-39 (4-5'/5')	01507/16	1/21/09	1020					X	X	X	X	X	X									
	TRC-39 (8')	~~01508~~ 01833	1/21/09	1030					X				X										
	TRC-39 (12') (MCP)	01831/32	1/21/09	1055					X				X						(HOLD)				
	TRC-37 (4-5'/4')	01509/17	1/21/09	1310					X	X	X	X	X	X									
	TRC-37 (1')	01510	1/21/09	1315					X				X										
	TRC-37 (7')	01511	1/21/09	1320		G	S	L	X				X	* Hold here for total MCP metals + PAHs									

Client Comments:
* Rush 24-hr turnaround on all samples and additional 4oz jar for total metals + PAH to make sure there is sufficient volume.

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: 1/21/09 1505	
Received by: (signature)	Date/Time: 1/21/09 1505	
Relinquished by: (signature)	Date/Time: 1-21-09 1730	
Received by: (signature) Temp 2C	Date/Time: 1/21/09 17.30	

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other ____

RUSH *
☒ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? MA MCP S-1/S-2/S-3
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.

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CHAIN OF CUSTODY RECORD

Lmt # 22731

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

Company Name: TRC
Address: 650 Suffolk St.
Lowell MA 01854
Attention: David Sullivan
Project Location: City of NB (KOH)
Sampled By: Jeff Saunders / M. Rizza

Telephone: (978) 656-3865
Project # 115055
Client PO #

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 Unknown proposal date

State Form Required? ☒ yes ☐ no

Field ID	Sample Description	Lab # 098	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP metals + Hg	TCLP Metals	VOCs *	SVOCs	PAHs	TPH 8100							# of containers	**Preservation	~Cont.Code
									ANALYSIS REQUESTED												1	1	3
																					G	G	✓
																					I	I	M/B
	TRC-17 (1)	01512	1/21/09	1130		G	S	L	X				X										
	TRC-17 (5)	01513 118	↓	1135		↓	↓	↓	X	X	X	X	X	X									
	TRC-17 (7)	01514		1140					X				X										
	TRC-17 (12) (HOLD)			1145					X				X						(HOLD)				
	TRC-17D (1)	01515	↓	1150		↓	↓	↓	X				X										
	TRC-37 (10) (HOLD)		1/21/09	1325		G	S	L	X				X						(HOLD)				

Client Comments:
* Rush 24 hr turnaround on all samples & Additional 4oz jar for total metals & PAHs on certain samples to make sure there is sufficient volume

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: 1/21/09 1505	
Received by: (signature)	Date/Time: 1-21-09 1505	
Relinquished by: (signature)	Date/Time: 1-21-09 1730	
Received by: (signature) Temp 2°C	Date/Time: 1/21/09 17:30	

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

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's: See Guide

***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

tferrentino@contestlabs.com

From: "Sullivan, Dave (Lowell,MA-US)" <DSullivan@TRCSOLUTIONS.com>
To: <tferrentino@contestlabs.com>
Cc: "Denly, Elizabeth (Lowell,MA-US)" <edenly@trcsolutions.com>; "Zhou, Ping (Lowell,MA-US)" <PZhou@trcsolutions.com>; "Saunders, Jeffry (Lowell,MA-US)" <JSaunders@trcsolutions.com>
Sent: Sunday, January 25, 2009 4:06 PM
Attach: LIMT-22731.XLS; LIMT-22731.pdf
Subject: FW: Con-Test Lab Results

Theresa:

Some of the results in this group were quite startling.

Please help me with the following:

- Proceed with analysis of TRC-39(12) for MCP metals and mercury and TCLP metals (RCRA 8 for the TCLP leachate).
- Please run TCLP Lead for TRC-39-8 (the total lead for this was sky high at 14,500 mg/kg, in case your chemist wants to know in advance).

Thanks,

-Dave

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: Con-Test Lab Reporting [mailto:ConTestLabReporting@contestlabs.com]
Sent: Friday, January 23, 2009 12:29 PM
To: Sullivan, Dave (Lowell,MA-US)
Subject: Con-Test Lab Results

LIMT-22731
Project Location:Former Keith Junion High, New Bedford
Samples Received:1/21/08
Project Manager:David Sullivan

Please note -- all subcontracted analyses and some air analyses (air special test) cannot be imported in .xls or specialized EDD formats. Please review your .pdf for these analyses.

Con-Test Analytical Laboratory
39 Spruce Street, 2nd Floor
East Longmeadow, MA 01028
413.525.2332
413.525.6405
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SAMPLE REACTIVATION FORM

COMPANY TRC-Lowell LOCATION 1B

CONTACT Dave Sullivan PROJECT ID

CONTACT PHONE FAX

DATE 1/26/09 TIME 8:00 AM TAT ~~ASAP~~ 24 hr DUE DATE

REQUEST TAKEN BY TLF GIVEN TO 109-11

ACTIVATION REQUEST:

See Attached Email

SPECIAL INSTRUCTIONS AND TERMS:

D.E.

FAXED TO CONTACT FOR APPROVAL: Y N

ACTIVATION IS CORRECT PER OUR REQUEST _____ DATE _____
INITIALS

CONTEST FINAL APPROVAL _____

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

REPORT DATE 1/28/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22810
JOB NUMBER: 115058

PROJECT LOCATION: CITY OF NEW BEDFORD

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
TRC-28 (1)	09B01910	SOIL	Not Specified	6010 drywt mcp	
TRC-28 (1)	09B01910	SOIL	Not Specified	hg (mg/kg) dw	
TRC-28 (1)	09B01910	SOIL	Not Specified	solids (percent)	
TRC-28 (1)	09B01922	SOIL	Not Specified	tclp - metals	
TRC-28 (4.5)	09B01911	SOIL	Not Specified	6010 drywt mcp	
TRC-28 (4.5)	09B01911	SOIL	Not Specified	hg (mg/kg) dw	
TRC-28 (4.5)	09B01911	SOIL	Not Specified	solids (percent)	
TRC-28 (4.5)	09B01923	SOIL	Not Specified	tclp - metals	
TRC-28 (7.5)	09B01912	SOIL	Not Specified	6010 drywt mcp	
TRC-28 (7.5)	09B01912	SOIL	Not Specified	hg (mg/kg) dw	
TRC-28 (7.5)	09B01912	SOIL	Not Specified	solids (percent)	
TRC-28 (7.5)	09B01924	SOIL	Not Specified	tclp - metals	
TRC-28D (4.5)	09B01909	SOIL	Not Specified	6010 drywt mcp	
TRC-28D (4.5)	09B01909	SOIL	Not Specified	hg (mg/kg) dw	
TRC-28D (4.5)	09B01909	SOIL	Not Specified	solids (percent)	
TRC-28D (4.5)	09B01921	SOIL	Not Specified	tclp - metals	
TRC-29 (1)	09B01913	SOIL	Not Specified	6010 drywt mcp	
TRC-29 (1)	09B01913	SOIL	Not Specified	hg (mg/kg) dw	
TRC-29 (1)	09B01913	SOIL	Not Specified	solids (percent)	
TRC-29 (1)	09B01925	SOIL	Not Specified	tclp - metals	
TRC-29 (5)	09B01914	SOIL	Not Specified	6010 drywt mcp	
TRC-29 (5)	09B01914	SOIL	Not Specified	hg (mg/kg) dw	
TRC-29 (5)	09B01914	SOIL	Not Specified	solids (percent)	
TRC-29 (5)	09B01926	SOIL	Not Specified	tclp - metals	
TRC-29 (8)	09B01915	SOIL	Not Specified	6010 drywt mcp	
TRC-29 (8)	09B01915	SOIL	Not Specified	hg (mg/kg) dw	
TRC-29 (8)	09B01915	SOIL	Not Specified	solids (percent)	
TRC-29 (8)	09B01927	SOIL	Not Specified	tclp - metals	
TRC-41 (1)	09B01906	SOIL	Not Specified	6010 drywt mcp	
TRC-41 (1)	09B01906	SOIL	Not Specified	hg (mg/kg) dw	
TRC-41 (1)	09B01906	SOIL	Not Specified	pah - sludge	
TRC-41 (1)	09B01906	SOIL	Not Specified	solids (percent)	
TRC-41 (5)	09B01907	SOIL	Not Specified	6010 drywt mcp	
TRC-41 (5)	09B01907	SOIL	Not Specified	8260 mcp drywt	
TRC-41 (5)	09B01907	SOIL	Not Specified	8270 mcp drywt	
TRC-41 (5)	09B01907	SOIL	Not Specified	hg (mg/kg) dw	
TRC-41 (5)	09B01907	SOIL	Not Specified	solids (percent)	
TRC-41 (5)	09B01907	SOIL	Not Specified	tph gc dry 8100m	
TRC-41 (5)	09B01920	SOIL	Not Specified	tclp - metals	

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REPORT DATE 1/28/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22810
JOB NUMBER: 115058

TRC-41 (9)	09B01908	SOIL	Not Specified	6010 drywt mcp
TRC-41 (9)	09B01908	SOIL	Not Specified	hg (mg/kg) dw
TRC-41 (9)	09B01908	SOIL	Not Specified	pah - sludge
TRC-41 (9)	09B01908	SOIL	Not Specified	solids (percent)
TRC-43 (1)	09B01917	SOIL	Not Specified	6010 drywt mcp
TRC-43 (1)	09B01917	SOIL	Not Specified	hg (mg/kg) dw
TRC-43 (1)	09B01917	SOIL	Not Specified	pah - sludge
TRC-43 (1)	09B01917	SOIL	Not Specified	solids (percent)
TRC-43 (4)	09B01918	SOIL	Not Specified	6010 drywt mcp
TRC-43 (4)	09B01918	SOIL	Not Specified	hg (mg/kg) dw
TRC-43 (4)	09B01918	SOIL	Not Specified	pah - sludge
TRC-43 (4)	09B01918	SOIL	Not Specified	solids (percent)
TRC-43 (8)	09B01919	SOIL	Not Specified	6010 drywt mcp
TRC-43 (8)	09B01919	SOIL	Not Specified	hg (mg/kg) dw
TRC-43 (8)	09B01919	SOIL	Not Specified	pah - sludge
TRC-43 (8)	09B01919	SOIL	Not Specified	solids (percent)
TRC-43D (4)	09B01916	SOIL	Not Specified	6010 drywt mcp
TRC-43D (4)	09B01916	SOIL	Not Specified	hg (mg/kg) dw
TRC-43D (4)	09B01916	SOIL	Not Specified	pah - sludge
TRC-43D (4)	09B01916	SOIL	Not Specified	solids (percent)

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REPORT DATE 1/28/2009

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650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22810
JOB NUMBER: 115058

Comments :

LIMS BATCH NO. : LIMT-22810

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the methods listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 8260, the initial and/or continuing calibration did not meet method specifications. For sample 09B01907, Acetone, 2-Butanone, Tetrahydrofuran, and 1,4-Dioxane were calibrated with a relative response factor <0.05.

In method 8260, any reported result for Acetone in sample 09B01907 is estimated and likely to be biased on the low side based on continuing calibration bias.

In method 8270, initial and/or continuing calibration did not meet method specifications. For sample(s) 09B01907, Pentachloronitrobenzene was calibrated with a relative response factor < 0.05.

In method 8270, initial calibration did not meet method specifications. For sample(s) 09B01907 Benzidine was calibrated by linear regression with a correlation coefficient < 0.99. Reduced accuracy and precision are anticipated for any reported result for this compound(s).

In method 8270 any reported result for Benzoic Acid in sample(s) 09B01907 is estimated and likely to be biased on the low side based on continuing calibration bias.

In method 7471A, the soil duplicate RPD is outside of control limits. Outlier can be attributed to sample non homogeneity or a "hot spot" encountered during sample prep. Reduced precision anticipated for these results.

In method 6010, for SOIL samples, the low level calibration check is outside control limits for Zn. Reported results for this element at or near the detection limit may be bias on the high side. Method blank contamination noted above the reporting limit for Zn. Reported results for this element may be bias on the high side. Duplicate rpd out of control limits for Ba, Be, Cd, and Pb. Outliers can be attributed to sample non homogeneity or a "hot spot" encountered during sample prep. Reduced precision expected for these elements. Matrix spike recovery outside of control limits for Tl. Possibility of sample matrix effects leading to low bias likely and cannot be eliminated. Recovery greater than 30%, no corrective action necessary.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846 8100M - ADDITIONAL DETAILS

In method 8100, sample 09B01907 was extracted on 01/26/2009 using extraction method SW846 3546(Microwave).

METHOD SW846 8260 - ADDITIONAL DETAILS

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

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REPORT DATE 1/28/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22810
JOB NUMBER: 115058

control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative.
Difficult analytes: MIBK, MEK, acetone, 1,4-dioxane, vinyl chloride, chloromethane, dichlorodifluoromethane, 2-hexanone, naphthalene, and bromomethane
Additional difficult analytes in water only: 2,2-dichloropropane and tetrachloroethylene
Additional difficult analytes in soil only: 1,2,3-trichloropropane, methylene chloride, n-butylbenzene, and tert-butylbenzene
Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for "difficult analytes" where RPDs of 50% are used and/or unless otherwise listed in this narrative.
Difficult analyte: 1,4-dioxane
Compounds outside of control limits:

In method 8260, either laboratory fortified blank (laboratory control sample) or duplicate recovery is outside control limits for Bromoform, but the other is within limits. Analysis is in control.

All 8260 surrogate standard recoveries were within control limits specified by the method
Unless listed below:
None outside of control limits

8260 QC SURROGATE RECOVERIES

BLANK-128831

D4-1,2-DICHLOROETHANE:	108%
D8-TOLUENE:	95%
BROMOFLUOROBENZENE:	100%

LFBLANK-90903	LFB	LFB DUPLICATE
D4-1,2-DICHLOROETHANE:	111%	104%
D8-TOLUENE:	97%	97%
BROMOFLUOROBENZENE:	101%	100%

METHOD SW846 8270 - ADDITIONAL DETAILS

Solid samples, if any, in the batch were extracted by the following method:
Microwave: SW-846 3546

All 8270 samples were analyzed undiluted unless specified below:

Sample	Dilution(s)
09B01906	10x
09B01917	5x

Tuning, initial and continuing calibrations met all required performance standards for method 8270 except as listed in this narrative:

In method 8270, for all samples, DDT Degradation factor was outside of method specifications, data is not affected.

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative.

Difficult analytes for soil LCS - limits between 10 and 180% depending on the compound (see QC summary report for limits): 3,3'-dichlorobenzidine, aniline, 2,4-dinitrophenol, and 4-chloroaniline.

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REPORT DATE 1/28/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22810
JOB NUMBER: 115058

Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for "difficult analytes" where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative.

Difficult analytes for soil RPDs: 3,3'-dichlorobenzidine, 4-nitrophenol, and aniline.

All 8270 surrogate standard recoveries were within control limits specified by the method unless listed below: None outside of control limits

8270 QC SURROGATE RECOVERIES

BLANK-128855

PHENOL-D6:	71%
NITROBENZENE-D5:	68%
2-FLUOROBIPHENYL:	57%
2,4,6-TRIBROMOPHENOL:	55%
TERPHENYL-D14:	61%
2-FLUOROPHENOL:	87%

LFBLANK-90922	LFB	LFB DUPLICATE
PHENOL-D6:	68%	69%
NITROBENZENE-D5:	65%	66%
2-FLUOROBIPHENYL:	59%	59%
2,4,6-TRIBROMOPHENOL:	58%	58%
TERPHENYL-D14:	80%	75%
2-FLUOROPHENOL:	90%	86%

All analyte list compounds were reported for method 8270 unless listed below:

In method 8270, for samples 09B01906, 09B01908, 09B01916, 09B01917-09B01919 only PAH compounds were requested and reported.

METHOD SW846-6010 - ADDITIONAL DETAILS

Only RCRA 8 elements for TCLP were requested and reported.

A duplicate and matrix spike performed on soil sample 09B01907. The sample duplicate is not reported for Ag, Be, Sb, Se, and Tl due to non detect sample and duplicate results. The matrix spike recovery is outside of control limits for Ba, Pb, and Zn. For these elements the sample concentration >4X spike concentration, therefore a representative recovery may not be obtainable. Control limits provided for reference only (not applicable). Analysis is in control based on LFB recovery.

METHOD SW846 7470/7471A - ADDITIONAL DETAILS

Sample duplicate and matrix spike performed on SOIL sample 09B01907.
The matrix spike recovery is outside of control limits. Sample concentration >4X spike concentration therefore a representative recovery may not be obtainable. Control limits provided for reference only (not applicable).

Matrix spike performed on TCLP sample 09B01924.

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

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REPORT DATE 1/28/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22810
JOB NUMBER: 115058

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

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 individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

M Cuth 1/28/09

SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-28 (1)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01910

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/27/09	OP	4.38			
Arsenic	mg/kg dry wt	ND	01/27/09	OP	2.74			
Barium	mg/kg dry wt	32.3	01/27/09	OP	5.47			
Beryllium	mg/kg dry wt	ND	01/27/09	OP	0.28			
Cadmium	mg/kg dry wt	ND	01/27/09	OP	0.28			
Chromium	mg/kg dry wt	12.1	01/27/09	OP	0.55			
Lead	mg/kg dry wt	3.93	01/27/09	OP	0.82			
Nickel	mg/kg dry wt	5.36	01/27/09	OP	0.55			
Selenium	mg/kg dry wt	ND	01/27/09	OP	5.47			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.55			
Thallium	mg/kg dry wt	ND	01/27/09	OP	3.28			
Vanadium	mg/kg dry wt	12.6	01/27/09	OP	5.47			
Zinc	mg/kg dry wt	16.6	01/27/09	OP	1.10			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

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DAVID SULLIVAN
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650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-28 (4.5)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01911 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/27/09	OP	5.52			
Arsenic	mg/kg dry wt	17.8	01/27/09	OP	3.45			
Barium	mg/kg dry wt	399	01/27/09	OP	6.90			
Beryllium	mg/kg dry wt	1.10	01/27/09	OP	0.35			
Cadmium	mg/kg dry wt	0.83	01/27/09	OP	0.35			
Chromium	mg/kg dry wt	15.3	01/27/09	OP	0.69			
Lead	mg/kg dry wt	719	01/27/09	OP	1.04			
Nickel	mg/kg dry wt	15.2	01/27/09	OP	0.69			
Selenium	mg/kg dry wt	ND	01/27/09	OP	6.90			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.69			
Thallium	mg/kg dry wt	ND	01/27/09	OP	4.14			
Vanadium	mg/kg dry wt	39.0	01/27/09	OP	6.90			
Zinc	mg/kg dry wt	266	01/27/09	OP	1.38			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-28 (7.5)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01912 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/27/09	OP	5.48			
Arsenic	mg/kg dry wt	5.41	01/27/09	OP	3.42			
Barium	mg/kg dry wt	37.2	01/27/09	OP	6.84			
Beryllium	mg/kg dry wt	ND	01/27/09	OP	0.35			
Cadmium	mg/kg dry wt	ND	01/27/09	OP	0.35			
Chromium	mg/kg dry wt	8.42	01/27/09	OP	0.69			
Lead	mg/kg dry wt	6.41	01/27/09	OP	1.03			
Nickel	mg/kg dry wt	4.56	01/27/09	OP	0.69			
Selenium	mg/kg dry wt	ND	01/27/09	OP	6.84			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.69			
Thallium	mg/kg dry wt	ND	01/27/09	OP	4.11			
Vanadium	mg/kg dry wt	12.4	01/27/09	OP	6.84			
Zinc	mg/kg dry wt	64.8	01/27/09	OP	1.37			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-28D (4.5)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01909

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/27/09	OP	5.48			
Arsenic	mg/kg dry wt	21.3	01/27/09	OP	3.43			
Barium	mg/kg dry wt	482	01/27/09	OP	6.85			
Beryllium	mg/kg dry wt	1.05	01/27/09	OP	0.35			
Cadmium	mg/kg dry wt	1.01	01/27/09	OP	0.35			
Chromium	mg/kg dry wt	18.2	01/27/09	OP	0.69			
Lead	mg/kg dry wt	920	01/27/09	OP	1.03			
Nickel	mg/kg dry wt	16.7	01/27/09	OP	0.69			
Selenium	mg/kg dry wt	ND	01/27/09	OP	6.85			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.69			
Thallium	mg/kg dry wt	ND	01/27/09	OP	4.11			
Vanadium	mg/kg dry wt	39.6	01/27/09	OP	6.85			
Zinc	mg/kg dry wt	338	01/27/09	OP	1.37			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-29 (1)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01913

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/27/09	OP	4.32			
Arsenic	mg/kg dry wt	3.74	01/27/09	OP	2.70			
Barium	mg/kg dry wt	86.8	01/27/09	OP	5.40			
Beryllium	mg/kg dry wt	ND	01/27/09	OP	0.27			
Cadmium	mg/kg dry wt	ND	01/27/09	OP	0.27			
Chromium	mg/kg dry wt	46.3	01/27/09	OP	0.54			
Lead	mg/kg dry wt	12.0	01/27/09	OP	0.81			
Nickel	mg/kg dry wt	23.3	01/27/09	OP	0.54			
Selenium	mg/kg dry wt	ND	01/27/09	OP	5.40			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.54			
Thallium	mg/kg dry wt	ND	01/27/09	OP	3.24			
Vanadium	mg/kg dry wt	53.7	01/27/09	OP	5.40			
Zinc	mg/kg dry wt	37.4	01/27/09	OP	1.08			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-29 (5)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01914

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	99.1	01/27/09	OP	6.12			
Arsenic	mg/kg dry wt	39.7	01/27/09	OP	3.83			
Barium	mg/kg dry wt	842	01/27/09	OP	7.65			
Beryllium	mg/kg dry wt	0.71	01/27/09	OP	0.39			
Cadmium	mg/kg dry wt	7.53	01/27/09	OP	0.39			
Chromium	mg/kg dry wt	117	01/27/09	OP	0.77			
Lead	mg/kg dry wt	2940	01/27/09	OP	1.15			
Nickel	mg/kg dry wt	454	01/27/09	OP	0.77			
Selenium	mg/kg dry wt	ND	01/27/09	OP	7.65			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.77			
Thallium	mg/kg dry wt	ND	01/27/09	OP	4.59			
Vanadium	mg/kg dry wt	34.6	01/27/09	OP	7.65			
Zinc	mg/kg dry wt	2220	01/27/09	OP	1.53			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-29 (8)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01915

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/27/09	OP	4.57			
Arsenic	mg/kg dry wt	ND	01/27/09	OP	2.86			
Barium	mg/kg dry wt	9.89	01/27/09	OP	5.71			
Beryllium	mg/kg dry wt	ND	01/27/09	OP	0.29			
Cadmium	mg/kg dry wt	ND	01/27/09	OP	0.29			
Chromium	mg/kg dry wt	4.72	01/27/09	OP	0.58			
Lead	mg/kg dry wt	2.70	01/27/09	OP	0.86			
Nickel	mg/kg dry wt	1.82	01/27/09	OP	0.58			
Selenium	mg/kg dry wt	ND	01/27/09	OP	5.71			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.58			
Thallium	mg/kg dry wt	ND	01/27/09	OP	3.43			
Vanadium	mg/kg dry wt	ND	01/27/09	OP	5.71			
Zinc	mg/kg dry wt	18.3	01/27/09	OP	1.15			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-41 (1)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01906

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/27/09	OP	5.23			
Arsenic	mg/kg dry wt	7.74	01/27/09	OP	3.27			
Barium	mg/kg dry wt	173	01/27/09	OP	6.54			
Beryllium	mg/kg dry wt	0.72	01/27/09	OP	0.33			
Cadmium	mg/kg dry wt	0.93	01/27/09	OP	0.33			
Chromium	mg/kg dry wt	18.6	01/27/09	OP	0.66			
Lead	mg/kg dry wt	594	01/27/09	OP	0.99			
Nickel	mg/kg dry wt	12.5	01/27/09	OP	0.66			
Selenium	mg/kg dry wt	ND	01/27/09	OP	6.54			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.66			
Thallium	mg/kg dry wt	ND	01/27/09	OP	3.93			
Vanadium	mg/kg dry wt	25.2	01/27/09	OP	6.54			
Zinc	mg/kg dry wt	181	01/27/09	OP	1.31			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-41 (5)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01907

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/27/09	OP	4.84			
Arsenic	mg/kg dry wt	13.5	01/27/09	OP	3.03			
Barium	mg/kg dry wt	462	01/27/09	OP	6.05			
Beryllium	mg/kg dry wt	4.04	01/27/09	OP	0.31			
Cadmium	mg/kg dry wt	3.59	01/27/09	OP	0.31			
Chromium	mg/kg dry wt	16.2	01/27/09	OP	0.61			
Lead	mg/kg dry wt	2000	01/27/09	OP	0.91			
Nickel	mg/kg dry wt	15.4	01/27/09	OP	0.61			
Selenium	mg/kg dry wt	ND	01/27/09	OP	6.05			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.61			
Thallium	mg/kg dry wt	ND	01/27/09	OP	3.63			
Vanadium	mg/kg dry wt	22.7	01/27/09	OP	6.05			
Zinc	mg/kg dry wt	617	01/27/09	OP	1.21			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-41 (9)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01908

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/27/09	OP	4.35			
Arsenic	mg/kg dry wt	ND	01/27/09	OP	2.72			
Barium	mg/kg dry wt	11.4	01/27/09	OP	5.44			
Beryllium	mg/kg dry wt	0.30	01/27/09	OP	0.28			
Cadmium	mg/kg dry wt	ND	01/27/09	OP	0.28			
Chromium	mg/kg dry wt	3.10	01/27/09	OP	0.55			
Lead	mg/kg dry wt	6.90	01/27/09	OP	0.82			
Nickel	mg/kg dry wt	3.20	01/27/09	OP	0.55			
Selenium	mg/kg dry wt	ND	01/27/09	OP	5.44			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.55			
Thallium	mg/kg dry wt	ND	01/27/09	OP	3.27			
Vanadium	mg/kg dry wt	5.46	01/27/09	OP	5.44			
Zinc	mg/kg dry wt	22.6	01/27/09	OP	1.09			

Analytical Method:
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SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-43 (1)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01917

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/27/09	OP	5.09			
Arsenic	mg/kg dry wt	5.78	01/27/09	OP	3.19			
Barium	mg/kg dry wt	60.8	01/27/09	OP	6.37			
Beryllium	mg/kg dry wt	ND	01/27/09	OP	0.32			
Cadmium	mg/kg dry wt	ND	01/27/09	OP	0.32			
Chromium	mg/kg dry wt	23.8	01/27/09	OP	0.64			
Lead	mg/kg dry wt	75.4	01/27/09	OP	0.96			
Nickel	mg/kg dry wt	9.90	01/27/09	OP	0.64			
Selenium	mg/kg dry wt	ND	01/27/09	OP	6.37			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.64			
Thallium	mg/kg dry wt	ND	01/27/09	OP	3.82			
Vanadium	mg/kg dry wt	31.7	01/27/09	OP	6.37			
Zinc	mg/kg dry wt	55.2	01/27/09	OP	1.28			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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NM = Not Measured

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‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-43 (4)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01918

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/27/09	OP	5.83			
Arsenic	mg/kg dry wt	8.69	01/27/09	OP	3.64			
Barium	mg/kg dry wt	326	01/27/09	OP	7.28			
Beryllium	mg/kg dry wt	0.90	01/27/09	OP	0.37			
Cadmium	mg/kg dry wt	1.26	01/27/09	OP	0.37			
Chromium	mg/kg dry wt	23.6	01/27/09	OP	0.73			
Lead	mg/kg dry wt	801	01/27/09	OP	1.10			
Nickel	mg/kg dry wt	15.8	01/27/09	OP	0.73			
Selenium	mg/kg dry wt	ND	01/27/09	OP	7.28			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.73			
Thallium	mg/kg dry wt	ND	01/27/09	OP	4.37			
Vanadium	mg/kg dry wt	31.9	01/27/09	OP	7.28			
Zinc	mg/kg dry wt	551	01/27/09	OP	1.46			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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con-test® ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-43 (8)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01919

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/27/09	OP	4.51			
Arsenic	mg/kg dry wt	ND	01/27/09	OP	2.82			
Barium	mg/kg dry wt	13.8	01/27/09	OP	5.64			
Beryllium	mg/kg dry wt	ND	01/27/09	OP	0.29			
Cadmium	mg/kg dry wt	ND	01/27/09	OP	0.29			
Chromium	mg/kg dry wt	5.10	01/27/09	OP	0.57			
Lead	mg/kg dry wt	3.10	01/27/09	OP	0.85			
Nickel	mg/kg dry wt	2.23	01/27/09	OP	0.57			
Selenium	mg/kg dry wt	ND	01/27/09	OP	5.64			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.57			
Thallium	mg/kg dry wt	ND	01/27/09	OP	3.38			
Vanadium	mg/kg dry wt	ND	01/27/09	OP	5.64			
Zinc	mg/kg dry wt	12.4	01/27/09	OP	1.13			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-43D (4)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01916

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/27/09	OP	5.73			
Arsenic	mg/kg dry wt	8.70	01/27/09	OP	3.58			
Barium	mg/kg dry wt	273	01/27/09	OP	7.16			
Beryllium	mg/kg dry wt	0.70	01/27/09	OP	0.36			
Cadmium	mg/kg dry wt	1.07	01/27/09	OP	0.36			
Chromium	mg/kg dry wt	22.4	01/27/09	OP	0.72			
Lead	mg/kg dry wt	627	01/27/09	OP	1.08			
Nickel	mg/kg dry wt	12.8	01/27/09	OP	0.72			
Selenium	mg/kg dry wt	ND	01/27/09	OP	7.16			
Silver	mg/kg dry wt	ND	01/27/09	OP	0.72			
Thallium	mg/kg dry wt	ND	01/27/09	OP	4.30			
Vanadium	mg/kg dry wt	29.8	01/27/09	OP	7.16			
Zinc	mg/kg dry wt	415	01/27/09	OP	1.44			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-41 (5)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01907

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acetone	mg/kg dry wt	ND	01/27/09	MFF	0.13			
tert-Amylmethyl Ether	mg/kg dry wt	ND	01/27/09	MFF	0.002			
Benzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
Bromobenzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
Bromochloromethane	mg/kg dry wt	ND	01/27/09	MFF	0.003			
Bromodichloromethane	mg/kg dry wt	ND	01/27/09	MFF	0.003			
Bromoform	mg/kg dry wt	ND	01/27/09	MFF	0.003			
Bromomethane	mg/kg dry wt	ND	01/27/09	MFF	0.013			
2-Butanone (MEK)	mg/kg dry wt	ND	01/27/09	MFF	0.050			
n-Butylbenzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
sec-Butylbenzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
tert-Butylbenzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
tert-Butylethyl Ether	mg/kg dry wt	ND	01/27/09	MFF	0.002			
Carbon Disulfide	mg/kg dry wt	ND	01/27/09	MFF	0.008			
Carbon Tetrachloride	mg/kg dry wt	ND	01/27/09	MFF	0.003			
Chlorobenzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
Chlorodibromomethane	mg/kg dry wt	ND	01/27/09	MFF	0.002			
Chloroethane	mg/kg dry wt	ND	01/27/09	MFF	0.025			
Chloroform	mg/kg dry wt	ND	01/27/09	MFF	0.005			
Chloromethane	mg/kg dry wt	ND	01/27/09	MFF	0.013			
2-Chlorotoluene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
4-Chlorotoluene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,2-Dibromo-3-Chloropropane	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,2-Dibromoethane	mg/kg dry wt	ND	01/27/09	MFF	0.002			
Dibromomethane	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
Dichlorodifluoromethane	mg/kg dry wt	ND	01/27/09	MFF	0.025			

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/28/2009

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-41 (5)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01907

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
1,1-Dichloroethane	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,2-Dichloroethane	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,1-Dichloroethylene	mg/kg dry wt	ND	01/27/09	MFF	0.005			
cis-1,2-Dichloroethylene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
trans-1,2-Dichloroethylene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,2-Dichloropropane	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,3-Dichloropropane	mg/kg dry wt	ND	01/27/09	MFF	0.002			
2,2-Dichloropropane	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,1-Dichloropropene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
cis-1,3-Dichloropropene	mg/kg dry wt	ND	01/27/09	MFF	0.002			
trans-1,3-Dichloropropene	mg/kg dry wt	ND	01/27/09	MFF	0.002			
Diethyl Ether	mg/kg dry wt	ND	01/27/09	MFF	0.025			
Diisopropyl Ether	mg/kg dry wt	ND	01/27/09	MFF	0.002			
1,4-Dioxane	mg/kg dry wt	ND	01/27/09	MFF	0.13			
Ethyl Benzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
Hexachlorobutadiene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
2-Hexanone	mg/kg dry wt	ND	01/27/09	MFF	0.025			
Isopropylbenzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
p-Isopropyltoluene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
MTBE	mg/kg dry wt	ND	01/27/09	MFF	0.005			
Methylene Chloride	mg/kg dry wt	ND	01/27/09	MFF	0.025			
MIBK	mg/kg dry wt	ND	01/27/09	MFF	0.025			
Naphthalene	mg/kg dry wt	ND	01/27/09	MFF	0.005			
n-Propylbenzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
Styrene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,1,1,2-Tetrachloroethane	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,1,2,2-Tetrachloroethane	mg/kg dry wt	ND	01/27/09	MFF	0.002			
Tetrachloroethylene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
Tetrahydrofuran	mg/kg dry wt	ND	01/27/09	MFF	0.013			

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con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-41 (5)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01907

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Toluene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,2,3-Trichlorobenzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,1,1-Trichloroethane	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,1,2-Trichloroethane	mg/kg dry wt	ND	01/27/09	MFF	0.003			
Trichloroethylene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
Trichlorofluoromethane	mg/kg dry wt	ND	01/27/09	MFF	0.013			
1,2,3-Trichloropropane	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,2,4-Trimethylbenzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
1,3,5-Trimethylbenzene	mg/kg dry wt	ND	01/27/09	MFF	0.003			
Vinyl Chloride	mg/kg dry wt	ND	01/27/09	MFF	0.013			
m + p Xylene	mg/kg dry wt	ND	01/27/09	MFF	0.005			
o-Xylene	mg/kg dry wt	ND	01/27/09	MFF	0.003			

Analytical Method:
SW846 8260
SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-41 (5)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01907

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/27/09	BGL	0.202			
Acenaphthylene	mg/kg dry wt	ND	01/27/09	BGL	0.202			
Acetophenone	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Aniline	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Anthracene	mg/kg dry wt	0.289	01/27/09	BGL	0.202			
Benzo(a)anthracene	mg/kg dry wt	1.17	01/27/09	BGL	0.202			
Benzo(a)pyrene	mg/kg dry wt	1.08	01/27/09	BGL	0.202			
Benzo(b)fluoranthene	mg/kg dry wt	1.30	01/27/09	BGL	0.202			
Benzo(g,h,i)perylene	mg/kg dry wt	0.576	01/27/09	BGL	0.202			
Benzo(k)fluoranthene	mg/kg dry wt	0.502	01/27/09	BGL	0.202			
Bis(2-chloroethoxy)methane	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Bis(2-chloroethyl)ether	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Bis(2-chloroisopropyl)ether	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Bis(2-ethylhexyl)phthalate	mg/kg dry wt	ND	01/27/09	BGL	0.41			
4-Bromophenyl phenyl ether	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Butylbenzylphthalate	mg/kg dry wt	ND	01/27/09	BGL	0.81			
4-Chloroaniline	mg/kg dry wt	ND	01/27/09	BGL	0.81			
2-Chloronaphthalene	mg/kg dry wt	ND	01/27/09	BGL	0.41			
2-Chlorophenol	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Chrysene	mg/kg dry wt	1.47	01/27/09	BGL	0.202			
Dibenzofuran	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/27/09	BGL	0.202			
1,2-Dichlorobenzene	mg/kg dry wt	ND	01/27/09	BGL	0.41			
1,3-Dichlorobenzene	mg/kg dry wt	ND	01/27/09	BGL	0.41			
1,4-Dichlorobenzene	mg/kg dry wt	ND	01/27/09	BGL	0.41			
3,3'-Dichlorobenzidine	mg/kg dry wt	ND	01/27/09	BGL	0.21			
2,4-Dichlorophenol	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Diethylphthalate	mg/kg dry wt	ND	01/27/09	BGL	0.41			
2,4-Dimethylphenol	mg/kg dry wt	ND	01/27/09	BGL	0.41			

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/28/2009

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-41 (5)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01907 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Dimethylphthalate	mg/kg dry wt	ND	01/27/09	BGL	0.81			
Di-n-butylphthalate	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Di-n-octylphthalate	mg/kg dry wt	ND	01/27/09	BGL	0.81			
2,4-Dinitrophenol	mg/kg dry wt	ND	01/27/09	BGL	0.81			
2,4-Dinitrotoluene	mg/kg dry wt	ND	01/27/09	BGL	0.41			
2,6-Dinitrotoluene	mg/kg dry wt	ND	01/27/09	BGL	0.41			
1,2-Diphenylhydrazine (as Azobenzene)	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Fluoranthene	mg/kg dry wt	2.01	01/27/09	BGL	0.202			
Fluorene	mg/kg dry wt	ND	01/27/09	BGL	0.202			
Hexachlorobenzene	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Hexachlorobutadiene	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Hexachloroethane	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.683	01/27/09	BGL	0.202			
Isophorone	mg/kg dry wt	ND	01/27/09	BGL	0.41			
o-cresol	mg/kg dry wt	ND	01/27/09	BGL	0.41			
m & p-cresol(s)	mg/kg dry wt	ND	01/27/09	BGL	0.41			
2-Methylnaphthalene	mg/kg dry wt	ND	01/27/09	BGL	0.202			
Naphthalene	mg/kg dry wt	ND	01/27/09	BGL	0.202			
Nitrobenzene	mg/kg dry wt	ND	01/27/09	BGL	0.41			
2-Nitrophenol	mg/kg dry wt	ND	01/27/09	BGL	0.41			
4-Nitrophenol	mg/kg dry wt	ND	01/27/09	BGL	0.81			
Pentachlorophenol	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Phenanthrene	mg/kg dry wt	1.68	01/27/09	BGL	0.202			
Phenol	mg/kg dry wt	ND	01/27/09	BGL	0.41			
Pyrene	mg/kg dry wt	2.21	01/27/09	BGL	0.202			
1,2,4-Trichlorobenzene	mg/kg dry wt	ND	01/27/09	BGL	0.41			
2,4,5-Trichlorophenol	mg/kg dry wt	ND	01/27/09	BGL	0.41			
2,4,6-Trichlorophenol	mg/kg dry wt	ND	01/27/09	BGL	0.41			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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‡ = See attached chain-of-custody record for time sampled

con-test® ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-41 (5)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01907

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Extraction Date 8270		1/26/2009	01/27/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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con-test® ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009

LIMS-BAT #: LIMT-22810
Job Number: 115058

Field Sample # : TRC-28 (1)

Sample ID : 09B01910 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/27/09	KM	0.011			

Field Sample # : TRC-28 (4.5)

Sample ID : 09B01911 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.193	01/27/09	KM	0.019			

Field Sample # : TRC-28 (7.5)

Sample ID : 09B01912 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/27/09	KM	0.012			

Field Sample # : TRC-28D (4.5)

Sample ID : 09B01909 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.290	01/27/09	KM	0.021			

Field Sample # : TRC-29 (1)

Sample ID : 09B01913 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/27/09	KM	0.016			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

con-test ANALYTICAL LABORATORY

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650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009

LIMS-BAT #: LIMT-22810
Job Number: 115058

Field Sample # : TRC-29 (5)

Sample ID : 09B01914 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.844	01/27/09	KM	0.026			

Field Sample # : TRC-29 (8)

Sample ID : 09B01915 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/27/09	KM	0.012			

Field Sample # : TRC-41 (1)

Sample ID : 09B01906 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.141	01/27/09	KM	0.012			

Field Sample # : TRC-41 (5)

Sample ID : 09B01907 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	1.52	01/27/09	KM	0.171			

Field Sample # : TRC-41 (9)

Sample ID : 09B01908 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/27/09	KM	0.026			

RL = Reporting Limit

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650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009

LIMS-BAT #: LIMT-22810
Job Number: 115058

Field Sample # : TRC-43 (1)

Sample ID : 09B01917 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.106	01/27/09	KM	0.012			

Field Sample # : TRC-43 (4)

Sample ID : 09B01918 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.234	01/27/09	KM	0.029			

Field Sample # : TRC-43 (8)

Sample ID : 09B01919 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/27/09	KM	0.013			

Field Sample # : TRC-43D (4)

Sample ID : 09B01916 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.414	01/27/09	KM	0.014			

Analytical Method:
SW846 3050/7471
SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

RL = Reporting Limit

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650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-41 (1)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01906

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/27/09	BGL	2.18			
Acenaphthylene	mg/kg dry wt	ND	01/27/09	BGL	2.18			
Anthracene	mg/kg dry wt	ND	01/27/09	BGL	2.18			
Benzo(a)anthracene	mg/kg dry wt	2.81	01/27/09	BGL	2.18			
Benzo(a)pyrene	mg/kg dry wt	2.54	01/27/09	BGL	2.18			
Benzo(b)fluoranthene	mg/kg dry wt	2.89	01/27/09	BGL	2.18			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/27/09	BGL	2.18			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/27/09	BGL	2.18			
Chrysene	mg/kg dry wt	3.22	01/27/09	BGL	2.18			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/27/09	BGL	2.18			
Fluoranthene	mg/kg dry wt	5.28	01/27/09	BGL	2.18			
Fluorene	mg/kg dry wt	ND	01/27/09	BGL	2.18			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/27/09	BGL	2.18			
2-Methylnaphthalene	mg/kg dry wt	ND	01/27/09	BGL	2.18			
Naphthalene	mg/kg dry wt	ND	01/27/09	BGL	2.18			
Phenanthrene	mg/kg dry wt	6.68	01/27/09	BGL	2.18			
Pyrene	mg/kg dry wt	5.32	01/27/09	BGL	2.18			
Extraction Date 8270		1/26/2009	01/27/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-41 (9)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01908

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Acenaphthylene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Anthracene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Benzo(a)anthracene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Benzo(a)pyrene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Chrysene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Fluoranthene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Fluorene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
2-Methylnaphthalene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Naphthalene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Phenanthrene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Pyrene	mg/kg dry wt	ND	01/27/09	BGL	0.182			
Extraction Date 8270		1/26/2009	01/27/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-43 (1)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01917

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Acenaphthylene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Anthracene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Benzo(a)anthracene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Benzo(a)pyrene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Chrysene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Fluoranthene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Fluorene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
2-Methylnaphthalene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Naphthalene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Phenanthrene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Pyrene	mg/kg dry wt	ND	01/27/09	BGL	1.07			
Extraction Date 8270		1/26/2009	01/27/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-43 (4)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01918

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/27/09	BGL	0.243			
Acenaphthylene	mg/kg dry wt	ND	01/27/09	BGL	0.243			
Anthracene	mg/kg dry wt	ND	01/27/09	BGL	0.243			
Benzo(a)anthracene	mg/kg dry wt	ND	01/27/09	BGL	0.243			
Benzo(a)pyrene	mg/kg dry wt	ND	01/27/09	BGL	0.243			
Benzo(b)fluoranthene	mg/kg dry wt	0.247	01/27/09	BGL	0.243			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/27/09	BGL	0.243			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/27/09	BGL	0.243			
Chrysene	mg/kg dry wt	0.252	01/27/09	BGL	0.243			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/27/09	BGL	0.243			
Fluoranthene	mg/kg dry wt	0.279	01/27/09	BGL	0.243			
Fluorene	mg/kg dry wt	ND	01/27/09	BGL	0.243			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/27/09	BGL	0.243			
2-Methylnaphthalene	mg/kg dry wt	ND	01/27/09	BGL	0.243			
Naphthalene	mg/kg dry wt	ND	01/27/09	BGL	0.243			
Phenanthrene	mg/kg dry wt	ND	01/27/09	BGL	0.243			
Pyrene	mg/kg dry wt	0.303	01/27/09	BGL	0.243			
Extraction Date 8270		1/26/2009	01/27/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
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650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-43 (8)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01919

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Acenaphthylene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Anthracene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Benzo(a)anthracene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Benzo(a)pyrene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Chrysene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Fluoranthene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Fluorene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
2-Methylnaphthalene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Naphthalene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Phenanthrene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Pyrene	mg/kg dry wt	ND	01/27/09	BGL	0.188			
Extraction Date 8270		1/26/2009	01/27/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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con-test ANALYTICAL LABORATORY

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-43D (4)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01916 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/27/09	BGL	0.239			
Acenaphthylene	mg/kg dry wt	ND	01/27/09	BGL	0.239			
Anthracene	mg/kg dry wt	ND	01/27/09	BGL	0.239			
Benzo(a)anthracene	mg/kg dry wt	0.805	01/27/09	BGL	0.239			
Benzo(a)pyrene	mg/kg dry wt	0.711	01/27/09	BGL	0.239			
Benzo(b)fluoranthene	mg/kg dry wt	0.777	01/27/09	BGL	0.239			
Benzo(g,h,i)perylene	mg/kg dry wt	0.262	01/27/09	BGL	0.239			
Benzo(k)fluoranthene	mg/kg dry wt	0.329	01/27/09	BGL	0.239			
Chrysene	mg/kg dry wt	0.845	01/27/09	BGL	0.239			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/27/09	BGL	0.239			
Fluoranthene	mg/kg dry wt	0.889	01/27/09	BGL	0.239			
Fluorene	mg/kg dry wt	ND	01/27/09	BGL	0.239			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	0.342	01/27/09	BGL	0.239			
2-Methylnaphthalene	mg/kg dry wt	ND	01/27/09	BGL	0.239			
Naphthalene	mg/kg dry wt	ND	01/27/09	BGL	0.239			
Phenanthrene	mg/kg dry wt	0.420	01/27/09	BGL	0.239			
Pyrene	mg/kg dry wt	0.952	01/27/09	BGL	0.239			
Extraction Date 8270		1/26/2009	01/27/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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con-test® ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/28/2009

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009

LIMS-BAT #: LIMT-22810
Job Number: 115058

Field Sample # : TRC-28 (1)

Sample ID : 09B01910 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	91.5	01/27/09	FD				

Field Sample # : TRC-28 (4.5)

Sample ID : 09B01911 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	72.5	01/27/09	FD				

Field Sample # : TRC-28 (7.5)

Sample ID : 09B01912 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	73.1	01/27/09	FD				

Field Sample # : TRC-28D (4.5)

Sample ID : 09B01909 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	73.0	01/27/09	FD				

Field Sample # : TRC-29 (1)

Sample ID : 09B01913 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	92.6	01/27/09	FD				

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LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009

LIMS-BAT #: LIMT-22810
Job Number: 115058

Field Sample # : TRC-29 (5)

Sample ID : 09B01914 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	65.4	01/27/09	FD				

Field Sample # : TRC-29 (8)

Sample ID : 09B01915 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	87.6	01/27/09	FD				

Field Sample # : TRC-41 (1)

Sample ID : 09B01906 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	76.5	01/27/09	FD				

Field Sample # : TRC-41 (5)

Sample ID : 09B01907 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	82.7	01/27/09	FD				

Field Sample # : TRC-41 (9)

Sample ID : 09B01908 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	92.0	01/27/09	FD				

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LOWELL, MA 01852

Purchase Order No.:

1/28/2009

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009

LIMS-BAT #: LIMT-22810
Job Number: 115058

Field Sample # : TRC-43 (1)

Sample ID : 09B01917 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	78.6	01/27/09	FD				

Field Sample # : TRC-43 (4)

Sample ID : 09B01918 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	68.7	01/27/09	FD				

Field Sample # : TRC-43 (8)

Sample ID : 09B01919 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	88.8	01/27/09	FD				

Field Sample # : TRC-43D (4)

Sample ID : 09B01916 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	69.9	01/27/09	FD				

Analytical Method:
SM 2540G
PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

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LOWELL, MA 01852

Purchase Order No.:

1/28/2009

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009

LIMS-BAT #: LIMT-22810
Job Number: 115058

Field Sample # : TRC-28 (1)

Sample ID : 09B01922 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/27/09	KSH	0.010		5	P
Barium	mg/l leachate	0.23	01/27/09	KSH	0.10		100	P
Cadmium	mg/l leachate	ND	01/27/09	KSH	0.005		1	P
Chromium	mg/l leachate	0.05	01/27/09	KSH	0.01		5	P
Lead	mg/l leachate	ND	01/27/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	01/28/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/27/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	01/27/09	KSH	0.005		5	P

Field Sample # : TRC-28 (4.5)

Sample ID : 09B01923 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/27/09	KSH	0.010		5	P
Barium	mg/l leachate	1.07	01/27/09	KSH	0.10		100	P
Cadmium	mg/l leachate	ND	01/27/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	01/27/09	KSH	0.01		5	P
Lead	mg/l leachate	0.195	01/27/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	01/28/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/27/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	01/27/09	KSH	0.005		5	P

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LOWELL, MA 01852

Purchase Order No.:

1/28/2009

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009

LIMS-BAT #: LIMT-22810
Job Number: 115058

Field Sample # : TRC-28 (7.5)

Sample ID : 09B01924 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/27/09	KSH	0.010		5	P
Barium	mg/l leachate	0.17	01/27/09	KSH	0.10		100	P
Cadmium	mg/l leachate	ND	01/27/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	01/27/09	KSH	0.01		5	P
Lead	mg/l leachate	ND	01/27/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	01/28/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/27/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	01/27/09	KSH	0.005		5	P

Field Sample # : TRC-28D (4.5)

Sample ID : 09B01921 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/27/09	KSH	0.010		5	P
Barium	mg/l leachate	1.18	01/27/09	KSH	0.10		100	P
Cadmium	mg/l leachate	ND	01/27/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	01/27/09	KSH	0.01		5	P
Lead	mg/l leachate	0.299	01/27/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	01/28/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/27/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	01/27/09	KSH	0.005		5	P

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LOWELL, MA 01852

Purchase Order No.:

1/28/2009

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009

LIMS-BAT #: LIMT-22810
Job Number: 115058

Field Sample # : TRC-29 (1)

Sample ID : 09B01925 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/27/09	KSH	0.010		5	P
Barium	mg/l leachate	0.29	01/27/09	KSH	0.10		100	P
Cadmium	mg/l leachate	ND	01/27/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	01/27/09	KSH	0.01		5	P
Lead	mg/l leachate	ND	01/27/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	01/28/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/27/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	01/27/09	KSH	0.005		5	P

Field Sample # : TRC-29 (5)

Sample ID : 09B01926 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/27/09	KSH	0.010		5	P
Barium	mg/l leachate	1.34	01/27/09	KSH	0.10		100	P
Cadmium	mg/l leachate	0.023	01/27/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	01/27/09	KSH	0.01		5	P
Lead	mg/l leachate	1.00	01/27/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	01/28/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/27/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	01/27/09	KSH	0.005		5	P

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

1/28/2009

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009

LIMS-BAT #: LIMT-22810
Job Number: 115058

Field Sample # : TRC-29 (8)

Sample ID : 09B01927 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/27/09	KSH	0.010		5	P
Barium	mg/l leachate	0.12	01/27/09	KSH	0.10		100	P
Cadmium	mg/l leachate	ND	01/27/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	01/27/09	KSH	0.01		5	P
Lead	mg/l leachate	ND	01/27/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	01/28/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/27/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	01/27/09	KSH	0.005		5	P

Field Sample # : TRC-41 (5)

Sample ID : 09B01920 ‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	01/27/09	KSH	0.010		5	P
Barium	mg/l leachate	0.60	01/27/09	KSH	0.10		100	P
Cadmium	mg/l leachate	0.009	01/27/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	01/27/09	KSH	0.01		5	P
Lead	mg/l leachate	0.721	01/27/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	01/28/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	01/27/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	01/27/09	KSH	0.005		5	P

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LOWELL, MA 01852

1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009

LIMS-BAT #: LIMT-22810
Job Number: 115058

Analytical Method:

SW846 1311/6010 1311/7470

SW846 1311 TCLP EXTRACTION. SAMPLES ARE EXTRACTED FOR 18-24 HOURS INTO A pH 5.0 BUFFER SOLUTION TO PRODUCE A LEACHATE. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

SW846 6010 ARSENIC, BARIUM, CADMIUM, CHROMIUM, LEAD, SELENIUM AND SILVER LEACHATES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY.

SW846 7470 MERCURY LEACHATE IS ANALYZED BY COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY.

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1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009
Field Sample # : TRC-41 (5)

LIMS-BAT #: LIMT-22810
Job Number: 115058

Sample ID : 09B01907

‡Sampled : 1/26/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unknown Hydrocarbons	mg/kg dry wt	380	01/27/09	PJG	110			

Analytical Method:
MODIFIED SW846 8100
SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE AND ANALYZED BY GAS CHROMATOGRAPHY WITH FLAME IONIZATION DETECTION (FID). ALL PEAKS ELUTING IN THE PETROLEUM FUEL REGION ARE QUANTITATED AS #2 FUEL OIL.

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1/28/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/26/2009

LIMS-BAT #: LIMT-22810
Job Number: 115058

** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GC/FID-22985

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01907					
	Terphenyl	Surrogate Recovery	N.M.	%	50-150
BLANK-128858					
	Unknown Hydrocarbons	Blank	<8.4	mg/kg dry wt	
LFBLANK-90924					
	Unknown Hydrocarbons	Lab Fort Blank Amt.	33.3	mg/kg dry wt	
		Lab Fort Blk. Found	24.9	mg/kg dry wt	
		Lab Fort Blk. % Rec.	74.7	%	
		Dup Lab Fort Bl Amt.	33.3	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	23.6	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	70.9	%	
		Lab Fort Blank Range	3.8	units	
		Lab Fort Bl. Av. Rec	72.8	%	
		LFB Duplicate RPD	5.2	%	

con-test ANALYTICAL LABORATORY

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/SEMI-11863

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01906					
	Phenol-d6	Surrogate Recovery	77.6	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	70.5	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	67.8	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	57.7	%	30-130
	Terphenyl-d14	Surrogate Recovery	65.5	%	30-130
	2-Fluorophenol	Surrogate Recovery	71.6	%	30-130
09B01907					
	Phenol-d6	Surrogate Recovery	80.1	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	66.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	64.1	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	62.5	%	30-130
	Terphenyl-d14	Surrogate Recovery	68.1	%	30-130
	2-Fluorophenol	Surrogate Recovery	70.5	%	30-130
09B01908					
	Phenol-d6	Surrogate Recovery	71.1	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	56.1	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	53.9	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	63.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	71.1	%	30-130
	2-Fluorophenol	Surrogate Recovery	69.7	%	30-130
09B01916					
	Phenol-d6	Surrogate Recovery	71.6	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	57.5	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	60.1	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	50.3	%	30-130
	Terphenyl-d14	Surrogate Recovery	55.6	%	30-130
	2-Fluorophenol	Surrogate Recovery	70.6	%	30-130
09B01917					
	Phenol-d6	Surrogate Recovery	60.0	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	55.0	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	51.2	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	46.4	%	30-130
	Terphenyl-d14	Surrogate Recovery	51.0	%	30-130
	2-Fluorophenol	Surrogate Recovery	55.8	%	30-130
09B01918					
	Phenol-d6	Surrogate Recovery	72.9	%	30-130
	Nitrobenzene-d5	Surrogate Recovery	63.9	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	62.3	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	58.1	%	30-130
	Terphenyl-d14	Surrogate Recovery	62.2	%	30-130
	2-Fluorophenol	Surrogate Recovery	73.3	%	30-130
09B01919					
	Phenol-d6	Surrogate Recovery	87.3	%	30-130

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/SEMI-11863

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01919					
	Nitrobenzene-d5	Surrogate Recovery	69.2	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	71.5	%	30-130
	2,4,6-Tribromophenol	Surrogate Recovery	57.3	%	30-130
	Terphenyl-d14	Surrogate Recovery	72.2	%	30-130
	2-Fluorophenol	Surrogate Recovery	85.0	%	30-130
BLANK-128855					
	1,4-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	Naphthalene	Blank	<0.167	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	1,3-Dichlorobenzene	Blank	<0.34	mg/kg dry wt	
	Acenaphthene	Blank	<0.167	mg/kg dry wt	
	Acenaphthylene	Blank	<0.167	mg/kg dry wt	
	Aniline	Blank	<0.34	mg/kg dry wt	
	Anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.167	mg/kg dry wt	
	Bis(2-chloroethyl)ether	Blank	<0.34	mg/kg dry wt	
	Bis(2-chloroethoxy)methane	Blank	<0.34	mg/kg dry wt	
	Bis(2-chloroisopropyl)ether	Blank	<0.34	mg/kg dry wt	
	Bis(2-ethylhexyl)phthalate	Blank	<0.34	mg/kg dry wt	
	4-Bromophenyl phenyl ether	Blank	<0.34	mg/kg dry wt	
	Butylbenzylphthalate	Blank	<0.67	mg/kg dry wt	
	4-Chloroaniline	Blank	<0.67	mg/kg dry wt	
	2-Chloronaphthalene	Blank	<0.34	mg/kg dry wt	
	Chrysene	Blank	<0.167	mg/kg dry wt	
	Dibenz(a,h)anthracene	Blank	<0.167	mg/kg dry wt	
	Dibenzofuran	Blank	<0.34	mg/kg dry wt	
	3,3'-Dichlorobenzidine	Blank	<0.17	mg/kg dry wt	
	Diethylphthalate	Blank	<0.34	mg/kg dry wt	
	Dimethylphthalate	Blank	<0.67	mg/kg dry wt	
	Di-n-butylphthalate	Blank	<0.34	mg/kg dry wt	
	2,4-Dinitrotoluene	Blank	<0.34	mg/kg dry wt	
	2,6-Dinitrotoluene	Blank	<0.34	mg/kg dry wt	
	1,2-Diphenylhydrazine (as Azobenzene)	Blank	<0.34	mg/kg dry wt	
	Di-n-octylphthalate	Blank	<0.67	mg/kg dry wt	
	Fluoranthene	Blank	<0.167	mg/kg dry wt	
	Fluorene	Blank	<0.167	mg/kg dry wt	
	Hexachlorobenzene	Blank	<0.34	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.34	mg/kg dry wt	
	Hexachloroethane	Blank	<0.34	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.167	mg/kg dry wt	

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BLANK-128855					
	Isophorone	Blank	<0.34	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.167	mg/kg dry wt	
	Nitrobenzene	Blank	<0.34	mg/kg dry wt	
	Phenanthrene	Blank	<0.167	mg/kg dry wt	
	Pyrene	Blank	<0.167	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.34	mg/kg dry wt	
	2-Chlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dichlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dimethylphenol	Blank	<0.34	mg/kg dry wt	
	2,4-Dinitrophenol	Blank	<0.67	mg/kg dry wt	
	o-cresol	Blank	<0.34	mg/kg dry wt	
	m & p-cresol(s)	Blank	<0.34	mg/kg dry wt	
	2-Nitrophenol	Blank	<0.34	mg/kg dry wt	
	4-Nitrophenol	Blank	<0.67	mg/kg dry wt	
	Phenol	Blank	<0.34	mg/kg dry wt	
	2,4,5-Trichlorophenol	Blank	<0.34	mg/kg dry wt	
	2,4,6-Trichlorophenol	Blank	<0.34	mg/kg dry wt	
	Pentachlorophenol	Blank	<0.34	mg/kg dry wt	
	Benzo(k)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Acetophenone	Blank	<0.34	mg/kg dry wt	
LFBLANK-90922					
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.87	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.63	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.92	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	55.63	%	
		Lab Fort Blank Range	2.99	units	
		Lab Fort Bl. Av. Rec	54.13	%	
		LFB Duplicate RPD	5.54	%	0-30
	Naphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.774	mg/kg dry wt	
		Lab Fort Blk. % Rec.	46.460	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.818	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	49.119	%	
		Lab Fort Blank Range	2.659	units	
		Lab Fort Bl. Av. Rec	47.790	%	
		LFB Duplicate RPD	5.566	%	0-30
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.87	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.35	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	

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LFBLANK-90922					
	1,2-Dichlorobenzene	Dup Lab Fort Bl. Fnd	0.93	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	55.89	%	
		Lab Fort Blank Range	3.53	units	
		Lab Fort Bl. Av. Rec	54.12	%	
		LFB Duplicate RPD	6.53	%	0-30
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.84	mg/kg dry wt	
		Lab Fort Blk. % Rec.	50.89	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.90	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	54.57	%	
		Lab Fort Blank Range	3.67	units	
		Lab Fort Bl. Av. Rec	52.73	%	
		LFB Duplicate RPD	6.97	%	0-30
	Acenaphthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.831	mg/kg dry wt	
		Lab Fort Blk. % Rec.	49.859	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.865	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	51.939	%	
		Lab Fort Blank Range	2.079	units	
		Lab Fort Bl. Av. Rec	50.899	%	
		LFB Duplicate RPD	4.086	%	0-30
	Acenaphthylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.829	mg/kg dry wt	
		Lab Fort Blk. % Rec.	49.760	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.864	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	51.859	%	
		Lab Fort Blank Range	2.099	units	
		Lab Fort Bl. Av. Rec	50.809	%	
		LFB Duplicate RPD	4.133	%	0-30
	Aniline	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.65	mg/kg dry wt	
		Lab Fort Blk. % Rec.	39.38	%	10-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.65	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	39.41	%	
		Lab Fort Blank Range	0.03	units	
		Lab Fort Bl. Av. Rec	39.40	%	
		LFB Duplicate RPD	0.10	%	0-50
	Anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.910	mg/kg dry wt	

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LFBLANK-90922					
	Anthracene	Lab Fort Blk. % Rec.	54.619	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.911	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	54.679	%	
		Lab Fort Blank Range	0.059	units	
		Lab Fort Bl. Av. Rec	54.649	%	
		LFB Duplicate RPD	0.109	%	0-30
	Benzo(a)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.944	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.639	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.941	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	56.479	%	
		Lab Fort Blank Range	0.160	units	
		Lab Fort Bl. Av. Rec	56.559	%	
		LFB Duplicate RPD	0.282	%	0-30
	Benzo(a)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.919	mg/kg dry wt	
		Lab Fort Blk. % Rec.	55.179	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.911	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	54.659	%	
		Lab Fort Blank Range	0.519	units	
		Lab Fort Bl. Av. Rec	54.919	%	
		LFB Duplicate RPD	0.946	%	0-30
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.795	mg/kg dry wt	
		Lab Fort Blk. % Rec.	47.739	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.799	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	47.979	%	
		Lab Fort Blank Range	0.240	units	
		Lab Fort Bl. Av. Rec	47.859	%	
		LFB Duplicate RPD	0.501	%	0-30
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.990	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.419	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.986	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	59.159	%	
		Lab Fort Blank Range	0.259	units	
		Lab Fort Bl. Av. Rec	59.289	%	
		LFB Duplicate RPD	0.438	%	0-30

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LFBLANK-90922					
	Bis(2-chloroethyl)ether	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.98	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.23	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.08	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	64.93	%	
		Lab Fort Blank Range	5.69	units	
		Lab Fort Bl. Av. Rec	62.08	%	
		LFB Duplicate RPD	9.18	%	0-30
	Bis(2-chloroethoxy)methane	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.93	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.33	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.01	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	61.12	%	
		Lab Fort Blank Range	4.78	units	
		Lab Fort Bl. Av. Rec	58.73	%	
		LFB Duplicate RPD	8.13	%	0-30
	Bis(2-chloroisopropyl)ether	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.93	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.23	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.03	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	62.21	%	
		Lab Fort Blank Range	5.97	units	
		Lab Fort Bl. Av. Rec	59.22	%	
		LFB Duplicate RPD	10.09	%	0-30
	Bis(2-ethylhexyl)phthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.50	mg/kg dry wt	
		Lab Fort Blk. % Rec.	90.35	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.50	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.31	%	
		Lab Fort Blank Range	0.04	units	
		Lab Fort Bl. Av. Rec	90.33	%	
		LFB Duplicate RPD	0.04	%	0-30
	4-Bromophenyl phenyl ether	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.96	mg/kg dry wt	
		Lab Fort Blk. % Rec.	58.01	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.00	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	60.55	%	
		Lab Fort Blank Range	2.53	units	

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LFBLANK-90922					
	4-Bromophenyl phenyl ether	Lab Fort Bl. Av. Rec	59.28	%	
		LFB Duplicate RPD	4.28	%	0-30
	Butylbenzylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.41	mg/kg dry wt	
		Lab Fort Blk. % Rec.	84.59	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.38	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	83.38	%	
		Lab Fort Blank Range	1.21	units	
		Lab Fort Bl. Av. Rec	83.98	%	
		LFB Duplicate RPD	1.45	%	0-30
	4-Chloroaniline	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.25	mg/kg dry wt	
		Lab Fort Blk. % Rec.	15.24	%	10-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.22	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	13.72	%	
		Lab Fort Blank Range	1.51	units	
		Lab Fort Bl. Av. Rec	14.48	%	
		LFB Duplicate RPD	10.49	%	0-30
	2-Chloronaphthalene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.78	mg/kg dry wt	
		Lab Fort Blk. % Rec.	46.79	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.81	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	48.77	%	
		Lab Fort Blank Range	1.97	units	
		Lab Fort Bl. Av. Rec	47.78	%	
		LFB Duplicate RPD	4.14	%	0-30
	Chrysene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.958	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.519	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.964	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	57.879	%	
		Lab Fort Blank Range	0.360	units	
		Lab Fort Bl. Av. Rec	57.699	%	
		LFB Duplicate RPD	0.623	%	0-30
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.010	mg/kg dry wt	
		Lab Fort Blk. % Rec.	60.619	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.968	mg/kg dry wt	

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LFBLANK-90922					
	Dibenz(a,h)anthracene	Dup Lab Fort Bl %Rec	58.119	%	
		Lab Fort Blank Range	2.499	units	
		Lab Fort Bl. Av. Rec	59.369	%	
		LFB Duplicate RPD	4.210	%	0-30
	Dibenzofuran	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.95	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.05	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.98	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.97	%	
		Lab Fort Blank Range	1.92	units	
		Lab Fort Bl. Av. Rec	58.01	%	
		LFB Duplicate RPD	3.30	%	0-30
	3,3'-Dichlorobenzidine	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.72	mg/kg dry wt	
		Lab Fort Blk. % Rec.	43.31	%	20-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.64	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	38.85	%	
		Lab Fort Blank Range	4.45	units	
		Lab Fort Bl. Av. Rec	41.08	%	
		LFB Duplicate RPD	10.85	%	0-50
	Diethylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.03	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.17	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.07	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	64.42	%	
		Lab Fort Blank Range	2.24	units	
		Lab Fort Bl. Av. Rec	63.29	%	
		LFB Duplicate RPD	3.53	%	0-30
	Dimethylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.98	mg/kg dry wt	
		Lab Fort Blk. % Rec.	58.91	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.03	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	62.09	%	
		Lab Fort Blank Range	3.17	units	
		Lab Fort Bl. Av. Rec	60.50	%	
		LFB Duplicate RPD	5.25	%	0-30
	Di-n-butylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.17	mg/kg dry wt	
		Lab Fort Blk. % Rec.	70.69	%	40-140

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LFBLANK-90922					
	Di-n-butylphthalate	Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.13	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	68.39	%	
		Lab Fort Blank Range	2.29	units	
		Lab Fort Bl. Av. Rec	69.54	%	
		LFB Duplicate RPD	3.30	%	0-30
	2,4-Dinitrotoluene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.06	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.89	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.05	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.28	%	
		Lab Fort Blank Range	0.61	units	
		Lab Fort Bl. Av. Rec	63.59	%	
		LFB Duplicate RPD	0.97	%	0-30
	2,6-Dinitrotoluene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	1.06	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.89	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.05	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.28	%	
		Lab Fort Blank Range	0.61	units	
		Lab Fort Bl. Av. Rec	63.59	%	
		LFB Duplicate RPD	0.97	%	0-30
	1,2-Diphenylhydrazine (as Azobenzene)	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.94	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.67	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.01	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	60.97	%	
		Lab Fort Blank Range	4.29	units	
		Lab Fort Bl. Av. Rec	58.82	%	
		LFB Duplicate RPD	7.30	%	0-30
	Di-n-octylphthalate	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.98	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.23	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.00	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	60.46	%	
		Lab Fort Blank Range	1.22	units	
		Lab Fort Bl. Av. Rec	59.85	%	
		LFB Duplicate RPD	2.03	%	0-30
	Fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/SEMI-11863

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90922					
	Fluoranthene	Lab Fort Blk. Found	0.848	mg/kg dry wt	
		Lab Fort Blk. % Rec.	50.919	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.816	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	48.959	%	
		Lab Fort Blank Range	1.959	units	
		Lab Fort Bl. Av. Rec	49.939	%	
		LFB Duplicate RPD	3.924	%	0-30
	Fluorene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.895	mg/kg dry wt	
		Lab Fort Blk. % Rec.	53.739	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.911	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	54.679	%	
		Lab Fort Blank Range	0.940	units	
		Lab Fort Bl. Av. Rec	54.209	%	
		LFB Duplicate RPD	1.733	%	0-30
	Hexachlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.95	mg/kg dry wt	
		Lab Fort Blk. % Rec.	57.53	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.97	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.43	%	
		Lab Fort Blank Range	0.90	units	
		Lab Fort Bl. Av. Rec	57.98	%	
		LFB Duplicate RPD	1.55	%	0-30
	Hexachlorobutadiene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.88	mg/kg dry wt	
		Lab Fort Blk. % Rec.	53.27	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.95	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	57.01	%	
		Lab Fort Blank Range	3.73	units	
		Lab Fort Bl. Av. Rec	55.14	%	
		LFB Duplicate RPD	6.78	%	0-30
	Hexachloroethane	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.86	mg/kg dry wt	
		Lab Fort Blk. % Rec.	51.77	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.93	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	56.15	%	
		Lab Fort Blank Range	4.38	units	
		Lab Fort Bl. Av. Rec	53.96	%	

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Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/SEMI-11863

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90922					
	Hexachloroethane	LFB Duplicate RPD	8.11	%	0-30
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.037	mg/kg dry wt	
		Lab Fort Blk. % Rec.	62.219	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.014	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	60.899	%	
		Lab Fort Blank Range	1.320	units	
		Lab Fort Bl. Av. Rec	61.559	%	
		LFB Duplicate RPD	2.144	%	0-30
	Isophorone	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.94	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.81	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.02	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	61.54	%	
		Lab Fort Blank Range	4.72	units	
		Lab Fort Bl. Av. Rec	59.18	%	
		LFB Duplicate RPD	7.97	%	0-30
	2-Methylnaphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.818	mg/kg dry wt	
		Lab Fort Blk. % Rec.	49.119	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.875	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	52.519	%	
		Lab Fort Blank Range	3.399	units	
		Lab Fort Bl. Av. Rec	50.819	%	
		LFB Duplicate RPD	6.690	%	0-30
	Nitrobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.86	mg/kg dry wt	
		Lab Fort Blk. % Rec.	51.97	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.91	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	54.89	%	
		Lab Fort Blank Range	2.91	units	
		Lab Fort Bl. Av. Rec	53.43	%	
		LFB Duplicate RPD	5.46	%	0-30
	Phenanthrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.889	mg/kg dry wt	
		Lab Fort Blk. % Rec.	53.359	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.894	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	53.659	%	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90922					
	Phenanthrene	Lab Fort Blank Range	0.300	units	
		Lab Fort Bl. Av. Rec	53.509	%	
		LFB Duplicate RPD	0.560	%	0-30
	Pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	1.060	mg/kg dry wt	
		Lab Fort Blk. % Rec.	63.619	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.080	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	64.840	%	
		Lab Fort Blank Range	1.220	units	
		Lab Fort Bl. Av. Rec	64.229	%	
		LFB Duplicate RPD	1.899	%	0-30
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.87	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.27	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.91	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	54.93	%	
		Lab Fort Blank Range	2.66	units	
		Lab Fort Bl. Av. Rec	53.60	%	
		LFB Duplicate RPD	4.96	%	0-30
	2-Chlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.93	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.33	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.01	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	60.85	%	
		Lab Fort Blank Range	4.51	units	
		Lab Fort Bl. Av. Rec	58.59	%	
		LFB Duplicate RPD	7.71	%	0-30
	2,4-Dichlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.89	mg/kg dry wt	
		Lab Fort Blk. % Rec.	53.77	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.95	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	57.37	%	
		Lab Fort Blank Range	3.60	units	
		Lab Fort Bl. Av. Rec	55.57	%	
		LFB Duplicate RPD	6.47	%	0-30
	2,4-Dimethylphenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.91	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.81	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	

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Sample Matrix Spikes and Matrix Spike Duplicates

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Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/SEMI-11863

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90922					
	2,4-Dimethylphenol	Dup Lab Fort Bl. Fnd	0.96	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	57.59	%	
		Lab Fort Blank Range	2.77	units	
		Lab Fort Bl. Av. Rec	56.20	%	
		LFB Duplicate RPD	4.94	%	0-30
	2,4-Dinitrophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.61	mg/kg dry wt	
		Lab Fort Blk. % Rec.	36.75	%	10-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.65	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	39.17	%	
		Lab Fort Blank Range	2.41	units	
		Lab Fort Bl. Av. Rec	37.96	%	
		LFB Duplicate RPD	6.37	%	0-30
	o-cresol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.93	mg/kg dry wt	
		Lab Fort Blk. % Rec.	55.91	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.01	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	61.03	%	
		Lab Fort Blank Range	5.11	units	
		Lab Fort Bl. Av. Rec	58.47	%	
		LFB Duplicate RPD	8.75	%	0-30
	m & p-cresol(s)	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.86	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.11	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.95	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	57.25	%	
		Lab Fort Blank Range	5.14	units	
		Lab Fort Bl. Av. Rec	54.68	%	
		LFB Duplicate RPD	9.39	%	0-30
	2-Nitrophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.86	mg/kg dry wt	
		Lab Fort Blk. % Rec.	52.15	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.91	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	55.01	%	
		Lab Fort Blank Range	2.85	units	
		Lab Fort Bl. Av. Rec	53.58	%	
		LFB Duplicate RPD	5.33	%	0-30
	4-Nitrophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.82	mg/kg dry wt	

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QC SUMMARY REPORT

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Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/SEMI-11863

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90922					
	4-Nitrophenol	Lab Fort Blk. % Rec.	49.29	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.74	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	44.93	%	
		Lab Fort Blank Range	4.36	units	
		Lab Fort Bl. Av. Rec	47.11	%	
		LFB Duplicate RPD	9.25	%	0-50
	Phenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.98	mg/kg dry wt	
		Lab Fort Blk. % Rec.	58.83	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.05	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	63.58	%	
		Lab Fort Blank Range	4.74	units	
		Lab Fort Bl. Av. Rec	61.21	%	
		LFB Duplicate RPD	7.74	%	0-30
	2,4,5-Trichlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.99	mg/kg dry wt	
		Lab Fort Blk. % Rec.	59.41	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.03	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	61.84	%	
		Lab Fort Blank Range	2.42	units	
		Lab Fort Bl. Av. Rec	60.63	%	
		LFB Duplicate RPD	3.99	%	0-30
	2,4,6-Trichlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.94	mg/kg dry wt	
		Lab Fort Blk. % Rec.	56.83	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.97	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	58.55	%	
		Lab Fort Blank Range	1.72	units	
		Lab Fort Bl. Av. Rec	57.69	%	
		LFB Duplicate RPD	2.98	%	0-30
	Pentachlorophenol	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.76	mg/kg dry wt	
		Lab Fort Blk. % Rec.	45.71	%	30-130
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.80	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	48.47	%	
		Lab Fort Blank Range	2.76	units	
		Lab Fort Bl. Av. Rec	47.09	%	
		LFB Duplicate RPD	5.85	%	0-30

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QC Batch Number: GCMS/SEMI-11863

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90922					
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.859	mg/kg dry wt	
		Lab Fort Blk. % Rec.	51.560	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.868	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	52.099	%	
		Lab Fort Blank Range	0.539	units	
		Lab Fort Bl. Av. Rec	51.829	%	
		LFB Duplicate RPD	1.041	%	0-30
	Acetophenone	Lab Fort Blank Amt.	1.66	mg/kg dry wt	
		Lab Fort Blk. Found	0.86	mg/kg dry wt	
		Lab Fort Blk. % Rec.	51.73	%	40-140
		Dup Lab Fort Bl Amt.	1.66	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.94	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	56.95	%	
		Lab Fort Blank Range	5.21	units	
		Lab Fort Bl. Av. Rec	54.34	%	
		LFB Duplicate RPD	9.60	%	0-30

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QC Batch Number: GCMS/VOL-21373

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01907					
	1,2-Dichloroethane-d4	Surrogate Recovery	104.240	%	70-130
	Toluene-d8	Surrogate Recovery	96.240	%	70-130
	Bromofluorobenzene	Surrogate Recovery	100.160	%	70-130
BLANK-128831					
	Acetone	Blank	<0.10	mg/kg dry wt	
	Benzene	Blank	<0.002	mg/kg dry wt	
	Carbon Tetrachloride	Blank	<0.002	mg/kg dry wt	
	Chloroform	Blank	<0.004	mg/kg dry wt	
	1,2-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,4-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	Ethyl Benzene	Blank	<0.002	mg/kg dry wt	
	2-Butanone (MEK)	Blank	<0.040	mg/kg dry wt	
	MIBK	Blank	<0.020	mg/kg dry wt	
	Naphthalene	Blank	<0.004	mg/kg dry wt	
	Styrene	Blank	<0.002	mg/kg dry wt	
	Tetrachloroethylene	Blank	<0.002	mg/kg dry wt	
	Toluene	Blank	<0.002	mg/kg dry wt	
	1,1,1-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Trichloroethylene	Blank	<0.002	mg/kg dry wt	
	Trichlorofluoromethane	Blank	<0.010	mg/kg dry wt	
	o-Xylene	Blank	<0.002	mg/kg dry wt	
	m + p Xylene	Blank	<0.004	mg/kg dry wt	
	1,2-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,3-Dichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethane	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloroethylene	Blank	<0.004	mg/kg dry wt	
	1,4-Dioxane	Blank	<0.10	mg/kg dry wt	
	MTBE	Blank	<0.004	mg/kg dry wt	
	trans-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	Vinyl Chloride	Blank	<0.010	mg/kg dry wt	
	Methylene Chloride	Blank	<0.020	mg/kg dry wt	
	Chlorobenzene	Blank	<0.002	mg/kg dry wt	
	Chloromethane	Blank	<0.010	mg/kg dry wt	
	Bromomethane	Blank	<0.010	mg/kg dry wt	
	Chloroethane	Blank	<0.020	mg/kg dry wt	
	cis-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	trans-1,3-Dichloropropene	Blank	<0.001	mg/kg dry wt	
	Chlorodibromomethane	Blank	<0.001	mg/kg dry wt	
	1,1,2-Trichloroethane	Blank	<0.002	mg/kg dry wt	
	Bromoform	Blank	<0.002	mg/kg dry wt	
	1,1,2,2-Tetrachloroethane	Blank	<0.001	mg/kg dry wt	
	2-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Hexachlorobutadiene	Blank	<0.002	mg/kg dry wt	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128831					
	Isopropylbenzene	Blank	<0.002	mg/kg dry wt	
	p-Isopropyltoluene	Blank	<0.002	mg/kg dry wt	
	n-Propylbenzene	Blank	<0.002	mg/kg dry wt	
	sec-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	tert-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,2,4-Trichlorobenzene	Blank	<0.002	mg/kg dry wt	
	1,2,4-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	1,3,5-Trimethylbenzene	Blank	<0.002	mg/kg dry wt	
	4-Chlorotoluene	Blank	<0.002	mg/kg dry wt	
	Dibromomethane	Blank	<0.002	mg/kg dry wt	
	cis-1,2-Dichloroethylene	Blank	<0.002	mg/kg dry wt	
	1,1-Dichloropropene	Blank	<0.002	mg/kg dry wt	
	1,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,3-Dichloropropane	Blank	<0.001	mg/kg dry wt	
	2,2-Dichloropropane	Blank	<0.002	mg/kg dry wt	
	1,1,1,2-Tetrachloroethane	Blank	<0.002	mg/kg dry wt	
	1,2,3-Trichloropropane	Blank	<0.002	mg/kg dry wt	
	n-Butylbenzene	Blank	<0.002	mg/kg dry wt	
	Dichlorodifluoromethane	Blank	<0.020	mg/kg dry wt	
	Bromochloromethane	Blank	<0.002	mg/kg dry wt	
	Bromobenzene	Blank	<0.002	mg/kg dry wt	
	Carbon Disulfide	Blank	<0.006	mg/kg dry wt	
	2-Hexanone	Blank	<0.020	mg/kg dry wt	
	Diethyl Ether	Blank	<0.020	mg/kg dry wt	
	Bromodichloromethane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromo-3-Chloropropane	Blank	<0.002	mg/kg dry wt	
	1,2-Dibromoethane	Blank	<0.001	mg/kg dry wt	
	Tetrahydrofuran	Blank	<0.010	mg/kg dry wt	
	Diisopropyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Butylethyl Ether	Blank	<0.001	mg/kg dry wt	
	tert-Amylmethyl Ether	Blank	<0.001	mg/kg dry wt	
LFBLANK-90903					
	Acetone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.237	mg/kg dry wt	
		Lab Fort Blk. % Rec.	118.560	%	50-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.191	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.990	%	70-160
		Lab Fort Blank Range	22.570	units	
		Lab Fort Bl. Av. Rec	107.275	%	
		LFB Duplicate RPD	21.039	%	0-25
	Benzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/VOL-21373

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90903					
	Benzene	Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.500	%	70-130
		Lab Fort Blank Range	1.500	units	
		Lab Fort Bl. Av. Rec	93.750	%	
		LFB Duplicate RPD	1.600	%	0-25
	Carbon Tetrachloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.700	%	70-130
		Lab Fort Blank Range	1.600	units	
		Lab Fort Bl. Av. Rec	107.900	%	
		LFB Duplicate RPD	1.482	%	0-25
	Chloroform	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.400	%	70-130
		Lab Fort Blank Range	0.399	units	
		Lab Fort Bl. Av. Rec	96.600	%	
		LFB Duplicate RPD	0.414	%	0-25
	1,2-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.900	%	70-130
		Lab Fort Blank Range	3.000	units	
		Lab Fort Bl. Av. Rec	110.400	%	
		LFB Duplicate RPD	2.717	%	0-25
	1,4-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.400	%	70-130
		Lab Fort Blank Range	0.599	units	
		Lab Fort Bl. Av. Rec	99.700	%	

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Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/VOL-21373

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90903					
	1,4-Dichlorobenzene	LFB Duplicate RPD	0.601	%	0-25
	Ethyl Benzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.500	%	70-130
		Lab Fort Blank Range	2.400	units	
		Lab Fort Bl. Av. Rec	107.300	%	
		LFB Duplicate RPD	2.236	%	0-25
	2-Butanone (MEK)	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.213	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.660	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.170	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	85.240	%	70-160
		Lab Fort Blank Range	21.420	units	
		Lab Fort Bl. Av. Rec	95.950	%	
		LFB Duplicate RPD	22.324	%	0-25
	MIBK	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.207	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.650	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.179	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.730	%	70-160
		Lab Fort Blank Range	13.920	units	
		Lab Fort Bl. Av. Rec	96.690	%	
		LFB Duplicate RPD	14.396	%	0-25
	Naphthalene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.600	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.500	%	40-130
		Lab Fort Blank Range	11.100	units	
		Lab Fort Bl. Av. Rec	97.050	%	
		LFB Duplicate RPD	11.437	%	0-25
	Styrene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.700	%	70-130

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Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/VOL-21373

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90903					
	Styrene	Lab Fort Blank Range	0.999	units	
		Lab Fort Bl. Av. Rec	105.200	%	
		LFB Duplicate RPD	0.950	%	0-25
	Tetrachloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.800	%	70-130
		Lab Fort Blank Range	1.500	units	
		Lab Fort Bl. Av. Rec	106.050	%	
		LFB Duplicate RPD	1.414	%	0-25
	Toluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	96.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.900	%	70-130
		Lab Fort Blank Range	0.500	units	
		Lab Fort Bl. Av. Rec	96.650	%	
		LFB Duplicate RPD	0.517	%	0-25
	1,1,1-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.400	%	70-130
		Lab Fort Blank Range	1.600	units	
		Lab Fort Bl. Av. Rec	107.600	%	
		LFB Duplicate RPD	1.486	%	0-25
	Trichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	100.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.400	%	70-130
		Lab Fort Blank Range	2.200	units	
		Lab Fort Bl. Av. Rec	101.300	%	
		LFB Duplicate RPD	2.171	%	0-25
	Trichlorofluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	

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Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/VOL-21373

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90903					
	Trichlorofluoromethane	Dup Lab Fort Bl. Fnd	0.024	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	121.100	%	70-130
		Lab Fort Blank Range	6.599	units	
		Lab Fort Bl. Av. Rec	117.800	%	
		LFB Duplicate RPD	5.602	%	0-25
	o-Xylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.600	%	70-130
		Lab Fort Blank Range	0.299	units	
		Lab Fort Bl. Av. Rec	101.450	%	
		LFB Duplicate RPD	0.295	%	0-25
	m + p Xylene	Lab Fort Blank Amt.	0.040	mg/kg dry wt	
		Lab Fort Blk. Found	0.041	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.800	%	70-130
		Dup Lab Fort Bl Amt.	0.040	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.042	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.200	%	70-130
		Lab Fort Blank Range	2.400	units	
		Lab Fort Bl. Av. Rec	104.000	%	
		LFB Duplicate RPD	2.307	%	0-25
	1,2-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.600	%	70-130
		Lab Fort Blank Range	0.599	units	
		Lab Fort Bl. Av. Rec	104.300	%	
		LFB Duplicate RPD	0.575	%	0-25
	1,3-Dichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.000	%	70-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	104.200	%	
		LFB Duplicate RPD	0.383	%	0-25
	1,1-Dichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	

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Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/VOL-21373

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90903					
	1,1-Dichloroethane	Lab Fort Blk. % Rec.	93.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.300	%	70-130
		Lab Fort Blank Range	0.300	units	
		Lab Fort Bl. Av. Rec	93.150	%	
		LFB Duplicate RPD	0.322	%	0-25
	1,1-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.100	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	98.800	%	70-130
		Lab Fort Blank Range	5.699	units	
		Lab Fort Bl. Av. Rec	95.950	%	
		LFB Duplicate RPD	5.940	%	0-25
	1,4-Dioxane	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.187	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.540	%	40-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.170	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	85.420	%	40-160
		Lab Fort Blank Range	8.119	units	
		Lab Fort Bl. Av. Rec	89.480	%	
		LFB Duplicate RPD	9.074	%	0-50
	MTBE	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.500	%	70-130
		Lab Fort Blank Range	7.300	units	
		Lab Fort Bl. Av. Rec	101.150	%	
		LFB Duplicate RPD	7.217	%	0-25
	trans-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.300	%	70-130
		Lab Fort Blank Range	4.499	units	
		Lab Fort Bl. Av. Rec	94.050	%	
		LFB Duplicate RPD	4.784	%	0-25

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90903					
	Vinyl Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.500	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.900	%	40-130
		Lab Fort Blank Range	6.400	units	
		Lab Fort Bl. Av. Rec	91.700	%	
		LFB Duplicate RPD	6.979	%	0-25
	Methylene Chloride	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.000	%	40-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.700	%	40-160
		Lab Fort Blank Range	0.300	units	
		Lab Fort Bl. Av. Rec	93.850	%	
		LFB Duplicate RPD	0.319	%	0-25
	Chlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.400	%	70-130
		Lab Fort Blank Range	1.099	units	
		Lab Fort Bl. Av. Rec	102.850	%	
		LFB Duplicate RPD	1.069	%	0-25
	Chloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	81.500	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.700	%	40-130
		Lab Fort Blank Range	6.199	units	
		Lab Fort Bl. Av. Rec	84.600	%	
		LFB Duplicate RPD	7.328	%	0-25
	Bromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.300	%	40-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.500	%	40-130
		Lab Fort Blank Range	15.200	units	

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LFBLANK-90903					
	Bromomethane	Lab Fort Bl. Av. Rec	95.900	%	
		LFB Duplicate RPD	15.849	%	0-25
	Chloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.800	%	70-130
		Lab Fort Blank Range	11.300	units	
		Lab Fort Bl. Av. Rec	98.150	%	
		LFB Duplicate RPD	11.512	%	0-25
	cis-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.200	%	70-130
		Lab Fort Blank Range	1.600	units	
		Lab Fort Bl. Av. Rec	97.000	%	
		LFB Duplicate RPD	1.649	%	0-25
	trans-1,3-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.800	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.800	%	70-130
		Lab Fort Blank Range	5.000	units	
		Lab Fort Bl. Av. Rec	102.300	%	
		LFB Duplicate RPD	4.887	%	0-25
	Chlorodibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.100	%	70-130
		Lab Fort Blank Range	3.900	units	
		Lab Fort Bl. Av. Rec	111.050	%	
		LFB Duplicate RPD	3.511	%	0-25
	1,1,2-Trichloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	94.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/VOL-21373

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90903					
	1,1,2-Trichloroethane	Dup Lab Fort Bl %Rec	90.700	%	70-130
		Lab Fort Blank Range	3.499	units	
		Lab Fort Bl. Av. Rec	92.450	%	
		LFB Duplicate RPD	3.785	%	0-25
	Bromoform	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.026	mg/kg dry wt	
		Lab Fort Blk. % Rec.	130.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.023	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	119.200	%	70-130
		Lab Fort Blank Range	11.300	units	
		Lab Fort Bl. Av. Rec	124.850	%	
		LFB Duplicate RPD	9.050	%	0-25
	1,1,2,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.800	%	70-130
		Lab Fort Blank Range	8.499	units	
		Lab Fort Bl. Av. Rec	99.050	%	
		LFB Duplicate RPD	8.581	%	0-25
	2-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.900	%	70-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	106.700	%	
		LFB Duplicate RPD	0.374	%	0-25
	Hexachlorobutadiene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	112.600	%	70-130
		Lab Fort Blank Range	1.699	units	
		Lab Fort Bl. Av. Rec	111.750	%	
		LFB Duplicate RPD	1.521	%	0-25
	Isopropylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.024	mg/kg dry wt	
		Lab Fort Blk. % Rec.	120.300	%	70-130

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QC Batch Number: GCMS/VOL-21373

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90903					
	Isopropylbenzene	Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.024	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	121.900	%	70-130
		Lab Fort Blank Range	1.600	units	
		Lab Fort Bl. Av. Rec	121.100	%	
		LFB Duplicate RPD	1.321	%	0-25
	p-Isopropyltoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	113.800	%	70-130
		Lab Fort Blank Range	3.499	units	
		Lab Fort Bl. Av. Rec	112.050	%	
		LFB Duplicate RPD	3.123	%	0-25
	n-Propylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.400	%	70-130
		Lab Fort Blank Range	0.499	units	
		Lab Fort Bl. Av. Rec	108.150	%	
		LFB Duplicate RPD	0.462	%	0-25
	sec-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.800	%	70-130
		Lab Fort Blank Range	4.800	units	
		Lab Fort Bl. Av. Rec	108.400	%	
		LFB Duplicate RPD	4.428	%	0-25
	tert-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.400	%	70-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.900	%	70-160
		Lab Fort Blank Range	4.499	units	
		Lab Fort Bl. Av. Rec	107.650	%	
		LFB Duplicate RPD	4.180	%	0-25
	1,2,3-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/VOL-21373

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90903					
	1,2,3-Trichlorobenzene	Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.400	%	70-130
		Lab Fort Blank Range	6.199	units	
		Lab Fort Bl. Av. Rec	100.500	%	
		LFB Duplicate RPD	6.169	%	0-25
	1,2,4-Trichlorobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.600	%	70-130
		Lab Fort Blank Range	6.300	units	
		Lab Fort Bl. Av. Rec	99.750	%	
		LFB Duplicate RPD	6.315	%	0-25
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.900	%	70-130
		Lab Fort Blank Range	2.600	units	
		Lab Fort Bl. Av. Rec	108.600	%	
		LFB Duplicate RPD	2.394	%	0-25
	1,3,5-Trimethylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	114.100	%	70-130
		Lab Fort Blank Range	0.500	units	
		Lab Fort Bl. Av. Rec	113.850	%	
		LFB Duplicate RPD	0.439	%	0-25
	4-Chlorotoluene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.900	%	70-130
		Lab Fort Blank Range	0.299	units	
		Lab Fort Bl. Av. Rec	110.050	%	

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QC Batch Number: GCMS/VOL-21373

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90903					
	4-Chlorotoluene	LFB Duplicate RPD	0.272	%	0-25
	Dibromomethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.600	%	70-130
		Lab Fort Blank Range	4.300	units	
		Lab Fort Bl. Av. Rec	99.750	%	
		LFB Duplicate RPD	4.310	%	0-25
	cis-1,2-Dichloroethylene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	95.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.400	%	70-130
		Lab Fort Blank Range	0.299	units	
		Lab Fort Bl. Av. Rec	95.550	%	
		LFB Duplicate RPD	0.313	%	0-25
	1,1-Dichloropropene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.500	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.100	%	70-130
		Lab Fort Blank Range	0.599	units	
		Lab Fort Bl. Av. Rec	101.800	%	
		LFB Duplicate RPD	0.589	%	0-25
	1,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.100	%	70-130
		Lab Fort Blank Range	1.699	units	
		Lab Fort Bl. Av. Rec	86.250	%	
		LFB Duplicate RPD	1.971	%	0-25
	1,3-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.000	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.700	%	70-130

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QC SUMMARY REPORT

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Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/VOL-21373

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90903					
	1,3-Dichloropropane	Lab Fort Blank Range	4.300	units	
		Lab Fort Bl. Av. Rec	96.850	%	
		LFB Duplicate RPD	4.439	%	0-25
	2,2-Dichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	88.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.400	%	70-130
		Lab Fort Blank Range	3.200	units	
		Lab Fort Bl. Av. Rec	89.800	%	
		LFB Duplicate RPD	3.563	%	0-25
	1,1,1,2-Tetrachloroethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.800	%	70-130
		Lab Fort Blank Range	0.400	units	
		Lab Fort Bl. Av. Rec	106.000	%	
		LFB Duplicate RPD	0.377	%	0-25
	1,2,3-Trichloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.016	mg/kg dry wt	
		Lab Fort Blk. % Rec.	82.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.014	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	73.800	%	70-130
		Lab Fort Blank Range	9.100	units	
		Lab Fort Bl. Av. Rec	78.350	%	
		LFB Duplicate RPD	11.614	%	0-25
	n-Butylbenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.022	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.400	%	70-130
		Lab Fort Blank Range	4.100	units	
		Lab Fort Bl. Av. Rec	108.350	%	
		LFB Duplicate RPD	3.784	%	0-25
	Dichlorodifluoromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.017	mg/kg dry wt	
		Lab Fort Blk. % Rec.	87.800	%	40-160
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	

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LFBLANK-90903					
	Dichlorodifluoromethane	Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	90.300	%	40-160
		Lab Fort Blank Range	2.500	units	
		Lab Fort Bl. Av. Rec	89.050	%	
		LFB Duplicate RPD	2.807	%	0-25
	Bromochloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.022	mg/kg dry wt	
		Lab Fort Blk. % Rec.	112.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.500	%	70-130
		Lab Fort Blank Range	4.700	units	
		Lab Fort Bl. Av. Rec	109.850	%	
		LFB Duplicate RPD	4.278	%	0-25
	Bromobenzene	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	105.400	%	70-130
		Lab Fort Blank Range	1.299	units	
		Lab Fort Bl. Av. Rec	106.050	%	
		LFB Duplicate RPD	1.225	%	0-25
	Carbon Disulfide	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	102.900	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.021	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.800	%	70-130
		Lab Fort Blank Range	6.899	units	
		Lab Fort Bl. Av. Rec	106.350	%	
		LFB Duplicate RPD	6.488	%	0-25
	2-Hexanone	Lab Fort Blank Amt.	0.200	mg/kg dry wt	
		Lab Fort Blk. Found	0.209	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.870	%	70-160
		Dup Lab Fort Bl Amt.	0.200	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.174	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	87.040	%	70-160
		Lab Fort Blank Range	17.830	units	
		Lab Fort Bl. Av. Rec	95.955	%	
		LFB Duplicate RPD	18.581	%	0-25
	Diethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	

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QC Batch Number: GCMS/VOL-21373

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90903					
	Diethyl Ether	Lab Fort Blk. % Rec.	95.700	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	94.200	%	70-130
		Lab Fort Blank Range	1.500	units	
		Lab Fort Bl. Av. Rec	94.950	%	
		LFB Duplicate RPD	1.579	%	0-25
	Bromodichloromethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.400	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.020	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.200	%	70-130
		Lab Fort Blank Range	1.200	units	
		Lab Fort Bl. Av. Rec	102.800	%	
		LFB Duplicate RPD	1.167	%	0-25
	1,2-Dibromo-3-Chloropropane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.020	mg/kg dry wt	
		Lab Fort Blk. % Rec.	104.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.017	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	89.700	%	70-130
		Lab Fort Blank Range	14.500	units	
		Lab Fort Bl. Av. Rec	96.950	%	
		LFB Duplicate RPD	14.956	%	0-25
	1,2-Dibromoethane	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.021	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.300	%	70-130
		Lab Fort Blank Range	7.299	units	
		Lab Fort Bl. Av. Rec	102.950	%	
		LFB Duplicate RPD	7.090	%	0-25
	Tetrahydrofuran	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.300	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.016	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	82.500	%	70-130
		Lab Fort Blank Range	16.800	units	
		Lab Fort Bl. Av. Rec	90.900	%	
		LFB Duplicate RPD	18.481	%	0-25

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: GCMS/VOL-21373

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90903					
	Diisopropyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.018	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.200	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	91.000	%	70-130
		Lab Fort Blank Range	2.200	units	
		Lab Fort Bl. Av. Rec	92.100	%	
		LFB Duplicate RPD	2.388	%	0-25
	tert-Butylethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	98.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.019	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	95.100	%	70-130
		Lab Fort Blank Range	3.499	units	
		Lab Fort Bl. Av. Rec	96.850	%	
		LFB Duplicate RPD	3.613	%	0-25
	tert-Amylmethyl Ether	Lab Fort Blank Amt.	0.020	mg/kg dry wt	
		Lab Fort Blk. Found	0.019	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.600	%	70-130
		Dup Lab Fort Bl Amt.	0.020	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.018	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.200	%	70-130
		Lab Fort Blank Range	6.400	units	
		Lab Fort Bl. Av. Rec	96.400	%	
		LFB Duplicate RPD	6.639	%	0-25

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: HG-9807

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01907					
	Mercury	Sample Amount	1.523	mg/kg dry wt	
		Duplicate Value	4.683	mg/kg dry wt	
		Duplicate RPD	101.825	%	0-35
		Sample Amount	1.523	mg/kg dry wt	
		Matrix Spk Amt Added	0.376	mg/kg dry wt	
		MS Amt Measured	2.994	mg/kg dry wt	
		Matrix Spike % Rec.	390.331	%	75-125
BLANK-128881					
	Mercury	Blank	<0.025	mg/kg dry wt	
LFBLANK-90950					
	Mercury	Lab Fort Blank Amt.	1.250	mg/kg dry wt	
		Lab Fort Blk. Found	1.062	mg/kg dry wt	
		Lab Fort Blk. % Rec.	85.017	%	65.9-133
		Dup Lab Fort Bl Amt.	1.250	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.407	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	112.596	%	65.9-133
		Lab Fort Blank Range	27.578	units	
		Lab Fort Bl. Av. Rec	98.806	%	
		LFB Duplicate RPD	27.911	%	

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Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: HG/TCLP-3435

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01924					
	Mercury	Sample Amount	<0.00010	mg/l leachate	
		Matrix Spk Amt Added	0.00200	mg/l leachate	
		MS Amt Measured	0.00184	mg/l leachate	
		Matrix Spike % Rec.	92.40000	%	75-125
BLANK-128896					
	Mercury	Blank	<0.00010	mg/l leachate	
LFBLANK-90967					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l leachate	
		Lab Fort Blk. Found	0.00180	mg/l leachate	
		Lab Fort Blk. % Rec.	90.25000	%	80-120
		Dup Lab Fort Bl Amt.	0.00200	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.00183	mg/l leachate	
		Dup Lab Fort Bl %Rec	91.90000	%	
		Lab Fort Blank Range	1.64999	units	
		Lab Fort Bl. Av. Rec	91.07500	%	
		LFB Duplicate RPD	1.81169	%	

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QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: ICP-21038

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01907					
	Silver	Sample Amount	<0.61	mg/kg dry wt	
		Matrix Spk Amt Added	30.22	mg/kg dry wt	
		MS Amt Measured	30.14	mg/kg dry wt	
		Matrix Spike % Rec.	99.72	%	75-125
	Arsenic	Sample Amount	13.46	mg/kg dry wt	
		Duplicate Value	15.18	mg/kg dry wt	
		Duplicate RPD	12.01	%	0-35
		Sample Amount	13.46	mg/kg dry wt	
		Matrix Spk Amt Added	30.22	mg/kg dry wt	
		MS Amt Measured	42.35	mg/kg dry wt	
		Matrix Spike % Rec.	95.55	%	75-125
	Barium	Sample Amount	461.64	mg/kg dry wt	
		Duplicate Value	699.50	mg/kg dry wt	
		Duplicate RPD	40.96	%	0-35
		Sample Amount	461.64	mg/kg dry wt	
		Matrix Spk Amt Added	30.22	mg/kg dry wt	
		MS Amt Measured	441.60	mg/kg dry wt	
		Matrix Spike % Rec.	-66.31	%	75-125
	Beryllium	Sample Amount	4.03	mg/kg dry wt	
		Duplicate Value	1.07	mg/kg dry wt	
		Duplicate RPD	115.83	%	0-35
		Sample Amount	4.03	mg/kg dry wt	
		Matrix Spk Amt Added	30.22	mg/kg dry wt	
		MS Amt Measured	30.31	mg/kg dry wt	
		Matrix Spike % Rec.	86.92	%	75-125
	Cadmium	Sample Amount	3.59	mg/kg dry wt	
		Duplicate Value	2.28	mg/kg dry wt	
		Duplicate RPD	44.46	%	0-35
		Sample Amount	3.59	mg/kg dry wt	
		Matrix Spk Amt Added	30.22	mg/kg dry wt	
		MS Amt Measured	35.73	mg/kg dry wt	
		Matrix Spike % Rec.	106.31	%	75-125
	Chromium	Sample Amount	16.23	mg/kg dry wt	
		Duplicate Value	17.67	mg/kg dry wt	
		Duplicate RPD	8.46	%	0-35
		Sample Amount	16.23	mg/kg dry wt	
		Matrix Spk Amt Added	30.22	mg/kg dry wt	
		MS Amt Measured	49.29	mg/kg dry wt	
		Matrix Spike % Rec.	109.34	%	75-125
	Nickel	Sample Amount	15.39	mg/kg dry wt	
		Duplicate Value	16.62	mg/kg dry wt	
		Duplicate RPD	7.67	%	0-35
		Sample Amount	15.39	mg/kg dry wt	

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QC SUMMARY REPORT

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: ICP-21038

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B01907					
	Nickel	Matrix Spk Amt Added	30.22	mg/kg dry wt	
		MS Amt Measured	42.50	mg/kg dry wt	
		Matrix Spike % Rec.	89.68	%	75-125
	Lead	Sample Amount	2002.80	mg/kg dry wt	
		Duplicate Value	3908.70	mg/kg dry wt	
		Duplicate RPD	64.48	%	0-35
		Sample Amount	2002.80	mg/kg dry wt	
		Matrix Spk Amt Added	30.22	mg/kg dry wt	
		MS Amt Measured	2443.21	mg/kg dry wt	
		Matrix Spike % Rec.	1456.87	%	75-125
	Antimony	Sample Amount	<4.84	mg/kg dry wt	
		Matrix Spk Amt Added	30.22	mg/kg dry wt	
		MS Amt Measured	30.44	mg/kg dry wt	
		Matrix Spike % Rec.	100.70	%	75-125
	Selenium	Sample Amount	<6.05	mg/kg dry wt	
		Matrix Spk Amt Added	30.22	mg/kg dry wt	
		MS Amt Measured	24.58	mg/kg dry wt	
		Matrix Spike % Rec.	81.34	%	75-125
	Thallium	Sample Amount	<3.63	mg/kg dry wt	
		Matrix Spk Amt Added	30.22	mg/kg dry wt	
		MS Amt Measured	11.80	mg/kg dry wt	
		Matrix Spike % Rec.	39.06	%	75-125
	Vanadium	Sample Amount	22.72	mg/kg dry wt	
		Duplicate Value	25.06	mg/kg dry wt	
		Duplicate RPD	9.78	%	0-35
		Sample Amount	22.72	mg/kg dry wt	
		Matrix Spk Amt Added	30.22	mg/kg dry wt	
		MS Amt Measured	56.95	mg/kg dry wt	
		Matrix Spike % Rec.	113.25	%	75-125
	Zinc	Sample Amount	617.07	mg/kg dry wt	
		Duplicate Value	555.96	mg/kg dry wt	
		Duplicate RPD	10.41	%	0-35
		Sample Amount	617.07	mg/kg dry wt	
		Matrix Spk Amt Added	30.22	mg/kg dry wt	
		MS Amt Measured	1070.17	mg/kg dry wt	
		Matrix Spike % Rec.	1498.85	%	75-125
BLANK-128874					
	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Barium	Blank	<5.00	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: ICP-21038

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128874					
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Vanadium	Blank	<5.00	mg/kg dry wt	
	Zinc	Blank	2.23	mg/kg dry wt	
LFBLANK-90943					
	Silver	Lab Fort Blank Amt.	81.20	mg/kg dry wt	
		Lab Fort Blk. Found	90.74	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.74	%	66-133
		Dup Lab Fort Bl Amt.	81.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	83.66	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.02	%	66-133
		Lab Fort Blank Range	8.71	units	
		Lab Fort Bl. Av. Rec	107.38	%	
		LFB Duplicate RPD	8.11	%	0-30
	Arsenic	Lab Fort Blank Amt.	133.00	mg/kg dry wt	
		Lab Fort Blk. Found	150.69	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.30	%	80-120
		Dup Lab Fort Bl Amt.	133.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	143.91	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.21	%	80-120
		Lab Fort Blank Range	5.09	units	
		Lab Fort Bl. Av. Rec	110.75	%	
		LFB Duplicate RPD	4.60	%	0-30
	Barium	Lab Fort Blank Amt.	226.00	mg/kg dry wt	
		Lab Fort Blk. Found	252.81	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.86	%	81-119
		Dup Lab Fort Bl Amt.	226.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	236.59	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	104.68	%	81-119
		Lab Fort Blank Range	7.17	units	
		Lab Fort Bl. Av. Rec	108.27	%	
		LFB Duplicate RPD	6.62	%	0-30
	Beryllium	Lab Fort Blank Amt.	117.00	mg/kg dry wt	
		Lab Fort Blk. Found	126.13	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.80	%	84-116
		Dup Lab Fort Bl Amt.	117.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	121.40	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.76	%	84-116
		Lab Fort Blank Range	4.04	units	
		Lab Fort Bl. Av. Rec	105.78	%	

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Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: ICP-21038

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90943					
	Beryllium	LFB Duplicate RPD	3.82	%	0-30
	Cadmium	Lab Fort Blank Amt.	103.00	mg/kg dry wt	
		Lab Fort Blk. Found	117.47	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.04	%	83-117
		Dup Lab Fort Bl Amt.	103.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	111.83	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.57	%	83-117
		Lab Fort Blank Range	5.47	units	
		Lab Fort Bl. Av. Rec	111.31	%	
		LFB Duplicate RPD	4.91	%	0-30
	Chromium	Lab Fort Blank Amt.	219.00	mg/kg dry wt	
		Lab Fort Blk. Found	251.38	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.78	%	82-118
		Dup Lab Fort Bl Amt.	219.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	243.76	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.30	%	82-118
		Lab Fort Blank Range	3.47	units	
		Lab Fort Bl. Av. Rec	113.04	%	
		LFB Duplicate RPD	3.07	%	0-30
	Nickel	Lab Fort Blank Amt.	119.00	mg/kg dry wt	
		Lab Fort Blk. Found	131.96	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.89	%	80-120
		Dup Lab Fort Bl Amt.	119.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	126.91	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.64	%	80-120
		Lab Fort Blank Range	4.24	units	
		Lab Fort Bl. Av. Rec	108.76	%	
		LFB Duplicate RPD	3.90	%	0-30
	Lead	Lab Fort Blank Amt.	168.00	mg/kg dry wt	
		Lab Fort Blk. Found	177.33	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.55	%	82-118
		Dup Lab Fort Bl Amt.	168.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	162.88	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	96.95	%	82-118
		Lab Fort Blank Range	8.59	units	
		Lab Fort Bl. Av. Rec	101.25	%	
		LFB Duplicate RPD	8.48	%	0-30
	Antimony	Lab Fort Blank Amt.	79.20	mg/kg dry wt	
		Lab Fort Blk. Found	97.50	mg/kg dry wt	
		Lab Fort Blk. % Rec.	123.10	%	30-207
		Dup Lab Fort Bl Amt.	79.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	92.58	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	116.89	%	30-207

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Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: ICP-21038

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90943					
	Antimony	Lab Fort Blank Range	6.21	units	
		Lab Fort Bl. Av. Rec	120.00	%	
		LFB Duplicate RPD	5.17	%	0-30
	Selenium	Lab Fort Blank Amt.	94.10	mg/kg dry wt	
		Lab Fort Blk. Found	106.35	mg/kg dry wt	
		Lab Fort Blk. % Rec.	113.01	%	77-123
		Dup Lab Fort Bl Amt.	94.10	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	101.74	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.11	%	77-123
		Lab Fort Blank Range	4.89	units	
		Lab Fort Bl. Av. Rec	110.56	%	
		LFB Duplicate RPD	4.43	%	0-30
	Thallium	Lab Fort Blank Amt.	152.00	mg/kg dry wt	
		Lab Fort Blk. Found	178.24	mg/kg dry wt	
		Lab Fort Blk. % Rec.	117.26	%	82-120
		Dup Lab Fort Bl Amt.	152.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	168.75	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.01	%	82-120
		Lab Fort Blank Range	6.24	units	
		Lab Fort Bl. Av. Rec	114.14	%	
		LFB Duplicate RPD	5.46	%	0-30
	Vanadium	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	141.13	mg/kg dry wt	
		Lab Fort Blk. % Rec.	114.74	%	80-120
		Dup Lab Fort Bl Amt.	123.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	134.41	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	109.27	%	80-120
		Lab Fort Blank Range	5.47	units	
		Lab Fort Bl. Av. Rec	112.01	%	
		LFB Duplicate RPD	4.88	%	0-30
	Zinc	Lab Fort Blank Amt.	280.00	mg/kg dry wt	
		Lab Fort Blk. Found	308.01	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.00	%	81-119
		Dup Lab Fort Bl Amt.	280.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	297.41	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.21	%	81-119
		Lab Fort Blank Range	3.78	units	
		Lab Fort Bl. Av. Rec	108.11	%	
		LFB Duplicate RPD	3.50	%	0-30

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Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: ICP/TCLP-4660

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128880					
	Silver	Blank	<0.005	mg/l leachate	
	Arsenic	Blank	<0.010	mg/l leachate	
	Barium	Blank	<0.10	mg/l leachate	
	Cadmium	Blank	<0.005	mg/l leachate	
	Chromium	Blank	<0.01	mg/l leachate	
	Lead	Blank	<0.015	mg/l leachate	
	Selenium	Blank	<0.05	mg/l leachate	
LFBLANK-90949					
	Silver	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.459	mg/l leachate	
		Lab Fort Blk. % Rec.	91.900	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.483	mg/l leachate	
		Dup Lab Fort Bl %Rec	96.700	%	
		Lab Fort Blank Range	4.799	units	
		Lab Fort Bl. Av. Rec	94.300	%	
		LFB Duplicate RPD	5.090	%	
	Arsenic	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.550	mg/l leachate	
		Lab Fort Blk. % Rec.	110.140	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.572	mg/l leachate	
		Dup Lab Fort Bl %Rec	114.420	%	
		Lab Fort Blank Range	4.279	units	
		Lab Fort Bl. Av. Rec	112.280	%	
		LFB Duplicate RPD	3.811	%	
	Barium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.50	mg/l leachate	
		Lab Fort Blk. % Rec.	101.34	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.51	mg/l leachate	
		Dup Lab Fort Bl %Rec	103.38	%	
		Lab Fort Blank Range	2.03	units	
		Lab Fort Bl. Av. Rec	102.36	%	
		LFB Duplicate RPD	1.99	%	
	Cadmium	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.495	mg/l leachate	
		Lab Fort Blk. % Rec.	99.100	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.505	mg/l leachate	
		Dup Lab Fort Bl %Rec	101.180	%	
		Lab Fort Blank Range	2.079	units	
		Lab Fort Bl. Av. Rec	100.140	%	

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 1/28/2009 Lims Bat # : LIMT-22810

QC Batch Number: ICP/TCLP-4660

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-90949					
	Cadmium	LFB Duplicate RPD	2.077	%	
	Chromium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.49	mg/l leachate	
		Lab Fort Blk. % Rec.	99.36	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.50	mg/l leachate	
		Dup Lab Fort Bl %Rec	101.06	%	
		Lab Fort Blank Range	1.69	units	
		Lab Fort Bl. Av. Rec	100.21	%	
		LFB Duplicate RPD	1.69	%	
	Lead	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.462	mg/l leachate	
		Lab Fort Blk. % Rec.	92.480	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.481	mg/l leachate	
		Dup Lab Fort Bl %Rec	96.380	%	
		Lab Fort Blank Range	3.900	units	
		Lab Fort Bl. Av. Rec	94.430	%	
		LFB Duplicate RPD	4.130	%	
	Selenium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.53	mg/l leachate	
		Lab Fort Blk. % Rec.	106.02	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.55	mg/l leachate	
		Dup Lab Fort Bl %Rec	110.88	%	
		Lab Fort Blank Range	4.86	units	
		Lab Fort Bl. Av. Rec	108.45	%	
		LFB Duplicate RPD	4.48	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

NOTES:

QC Batch No. : GC/FID-22985
Sample ID : 09B01907
Analysis : Terphenyl

SURROGATE CONCENTRATION BELOW DETECTION LIMIT DUE TO DILUTION REQUIRED FOR SAMPLE ANALYSIS.

con-test ANALYTICAL LABORATORY

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: LIMT- 22810
Project Location: City of New Bedford	MADEP RTN[1]:

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

09B01906- 09B01927

Sample Matrices: ☐ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other: _____

MCP SW-846 Methods Used	8260B (X)	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☒ Yes ☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☒ Yes ☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No[1]
D	***VPH and EPH Methods only***: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☐ Yes ☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☒ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☒ No[1]

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

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

Signature: MM Erick	**Position: Assistant Laboratory Director**
Printed Name: Michael Erickson	**Date:** 1/28/09

15-8
2V

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Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

Limit - 22810

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

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

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

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 Unknown proposal date

State Form Required? ☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 09B	Date Sampled Start Date/~~Time~~	Date Sampled Stop ~~Date~~/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP metals + Hg	TCLP 11 Mets	VOCs*	SVOCs (includes PAHs)	PCBs	TPH 8100					# of containers	**Preservation	~Cont.Code
									1	1	3	1	1	1							
									I	I	M/B	I	I	I							
									G	G	✓	G	G	G							
	TRC-41(1)	01906	1/20/09	0905		G	S	L	X				X								
	TRC-41(5)	01907/20		0910					X	X	X	X		X							
	TRC-41(9)	01908		0915					X				X								
	TRC-41(13) (HOLD)			0920					X				X					(HOLD)			
	TRC-28D (4.5)	01909/21		1000					X	X											
	TRC-28(1)	01910/22		1005					X	X											
	TRC-28(4.5)	01911/23		1010					X	X											
	TRC-28 (7.5)	01912/24	1/20/09	1015		G	S	L	X	X											

* Not particularly sure location and time written on vial cap

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

Client Comments:
N.B.: Rush turnaround (24-hr) on all samples (except holds)

Laboratory Comments:
CH

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: 1/20/09 1540	
Received by: (signature)	Date/Time: 1-20-9 1640	
Relinquished by: (signature)	Date/Time: 1-20-9 1810	
Received by: (signature) 3.0°	Date/Time: 1/20/09 1810	

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other

RUSH *
☒ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
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

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

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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

Limit-22810

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

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

Telephone: (978) 656-3565
Project # 115658
Client PO #

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 Unknown proposal date

State Form Required? ☒ yes ☐ no

Field ID	Sample Description	Lab # 09B	Date Sampled: ~~Start~~ Date/~~Time~~	~~Stop~~ Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP metals w/Hg	TCLP metals	PAHs								# of containers	**Preservation	~Cont.Code
																			1	I	G
	TRC-28 (12) (HOLD)		1/26/09	1020		G	S	L	X	X								(1 HOLD)	1	I	G
	TRC-29 (1)	01913/25		1045					X	X									1	I	G
	TRC-29 (5)	01914/26		1050					X	X									1	I	G
	TRC-29 (8)	01915/27		1055					X	X									1	I	G
	TRC-29 (12) (HOLD)			1100					X	X								(1 HOLD)	1	I	G
	TRC-43D (4)	01916		1300					X		X								1	I	G
	TRC-43 (1)	01917		1315					X		X								1	I	G
	TRC-43 (4)	01918	1/26/09	1320		G	S	L	X		X								1	I	G

ANALYSIS REQUESTED

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

Client Comments:
Push 24-hr turnaround on all samples (except holds)

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: 1/26/09 1540	
Received by: (signature)	Date/Time: 1-26-9 1540	
Relinquished by: (signature)	Date/Time: 1/26-9 1810	
Received by: (signature)	Date/Time: 1/28/09 1810	

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

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's: See Note

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

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

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

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CHAIN OF CUSTODY RECORD

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

Limit-22810

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

Telephone: (978) 656-3565
Project # 115055
Client PO #

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 Unknown proposal date

State Form Required? ☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 09B	Date Sampled: Start Date/~~Time~~	Stop ~~Date~~/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP metals + Hg	PAHs									# of containers	**Preservation	~Cont.Code
									1	1									1	I	G
	TRC-43 (8)	01919	1/26/09	1325		G	S	L	X	X											
	TRC-43 (10) (Hold)		1/26/09	1350		G	S	L	X	X								(Hold)			

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

Client Comments: Rush 24-hr turnaround on all samples (except metals)

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: 1/26/09 1540	
Received by: (signature)	Date/Time: 1-26-9 1540	
Relinquished by: (signature)	Date/Time: 1-26-9 1810	
Received by: (signature)	Date/Time: 1/26/09 1810	

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other ____

RUSH *
☒ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
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

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

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

Sample Receipt Checklist

CLIENT NAME: TRC RECEIVED BY: OEC DATE: 11/28/09

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank 3.0 Temperature °C by Temp gun _____

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

Who was notified _____ Date _____ Time _____

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

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	2
500 mL Amber		4 oz clear jar	17
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below	3	Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol 1

Bisulfate 2 # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

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

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REPORT DATE 2/3/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22895
JOB NUMBER: 115058

PROJECT LOCATION: CITY OF NEW BEDFORD (KJH)

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
TRC-47 (1)	09B02316	SOIL	Not Specified	6010 drywt mcp	
TRC-47 (1)	09B02316	SOIL	Not Specified	hg (mg/kg) dw	
TRC-47 (1)	09B02316	SOIL	Not Specified	pah - sludge	
TRC-47 (1)	09B02316	SOIL	Not Specified	solids (percent)	
TRC-47 (1)	09B02335	SOIL	Not Specified	tclp - metals	
TRC-47 (5)	09B02317	SOIL	Not Specified	6010 drywt mcp	
TRC-47 (5)	09B02317	SOIL	Not Specified	hg (mg/kg) dw	
TRC-47 (5)	09B02317	SOIL	Not Specified	pah - sludge	
TRC-47 (5)	09B02317	SOIL	Not Specified	solids (percent)	
TRC-47 (5)	09B02336	SOIL	Not Specified	tclp - metals	
TRC-47 (8)	09B02318	SOIL	Not Specified	6010 drywt mcp	
TRC-47 (8)	09B02318	SOIL	Not Specified	hg (mg/kg) dw	
TRC-47 (8)	09B02318	SOIL	Not Specified	pah - sludge	
TRC-47 (8)	09B02318	SOIL	Not Specified	solids (percent)	
TRC-47 (8)	09B02337	SOIL	Not Specified	tclp - metals	
TRC-48 (1)	09B02323	SOIL	Not Specified	6010 drywt mcp	
TRC-48 (1)	09B02323	SOIL	Not Specified	hg (mg/kg) dw	
TRC-48 (1)	09B02323	SOIL	Not Specified	pah - sludge	
TRC-48 (1)	09B02323	SOIL	Not Specified	solids (percent)	
TRC-48 (1)	09B02342	SOIL	Not Specified	tclp - metals	
TRC-48 (4)	09B02324	SOIL	Not Specified	6010 drywt mcp	
TRC-48 (4)	09B02324	SOIL	Not Specified	hg (mg/kg) dw	
TRC-48 (4)	09B02324	SOIL	Not Specified	pah - sludge	
TRC-48 (4)	09B02324	SOIL	Not Specified	solids (percent)	
TRC-48 (4)	09B02343	SOIL	Not Specified	tclp - metals	
TRC-48 (8)	09B02325	SOIL	Not Specified	6010 drywt mcp	
TRC-48 (8)	09B02325	SOIL	Not Specified	hg (mg/kg) dw	
TRC-48 (8)	09B02325	SOIL	Not Specified	pah - sludge	
TRC-48 (8)	09B02325	SOIL	Not Specified	solids (percent)	
TRC-48 (8)	09B02344	SOIL	Not Specified	tclp - metals	
TRC-48D	09B02322	SOIL	Not Specified	6010 drywt mcp	
TRC-48D	09B02322	SOIL	Not Specified	hg (mg/kg) dw	
TRC-48D	09B02322	SOIL	Not Specified	pah - sludge	
TRC-48D	09B02322	SOIL	Not Specified	solids (percent)	
TRC-48D	09B02341	SOIL	Not Specified	tclp - metals	
TRC-49 (1)	09B02319	SOIL	Not Specified	6010 drywt mcp	
TRC-49 (1)	09B02319	SOIL	Not Specified	hg (mg/kg) dw	
TRC-49 (1)	09B02319	SOIL	Not Specified	pah - sludge	
TRC-49 (1)	09B02319	SOIL	Not Specified	solids (percent)	

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REPORT DATE 2/3/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22895
JOB NUMBER: 115058

TRC-49 (1)	09B02338	SOIL	Not Specified	tclp - metals
TRC-49 (5)	09B02320	SOIL	Not Specified	6010 drywt mcp
TRC-49 (5)	09B02320	SOIL	Not Specified	hg (mg/kg) dw
TRC-49 (5)	09B02320	SOIL	Not Specified	pah - sludge
TRC-49 (5)	09B02320	SOIL	Not Specified	solids (percent)
TRC-49 (5)	09B02339	SOIL	Not Specified	tclp - metals
TRC-49 (8)QC	09B02321	SOIL	Not Specified	6010 drywt mcp
TRC-49 (8)QC	09B02321	SOIL	Not Specified	hg (mg/kg) dw
TRC-49 (8)QC	09B02321	SOIL	Not Specified	pah - sludge
TRC-49 (8)QC	09B02321	SOIL	Not Specified	solids (percent)
TRC-49 (8)QC	09B02340	SOIL	Not Specified	tclp - metals
TRC-50 (1)	09B02326	SOIL	Not Specified	6010 drywt mcp
TRC-50 (1)	09B02326	SOIL	Not Specified	hg (mg/kg) dw
TRC-50 (1)	09B02326	SOIL	Not Specified	solids (percent)
TRC-50 (1)	09B02345	SOIL	Not Specified	tclp - metals
TRC-50 (4)QC	09B02327	SOIL	Not Specified	6010 drywt mcp
TRC-50 (4)QC	09B02327	SOIL	Not Specified	hg (mg/kg) dw
TRC-50 (4)QC	09B02327	SOIL	Not Specified	solids (percent)
TRC-50 (4)QC	09B02346	SOIL	Not Specified	tclp - metals
TRC-50 (7)	09B02328	SOIL	Not Specified	6010 drywt mcp
TRC-50 (7)	09B02328	SOIL	Not Specified	hg (mg/kg) dw
TRC-50 (7)	09B02328	SOIL	Not Specified	solids (percent)
TRC-50 (7)	09B02347	SOIL	Not Specified	tclp - metals
TRC-51 (1)	09B02332	SOIL	Not Specified	6010 drywt mcp
TRC-51 (1)	09B02332	SOIL	Not Specified	hg (mg/kg) dw
TRC-51 (1)	09B02332	SOIL	Not Specified	solids (percent)
TRC-51 (1)	09B02351	SOIL	Not Specified	tclp - metals
TRC-51 (4)	09B02333	SOIL	Not Specified	6010 drywt mcp
TRC-51 (4)	09B02333	SOIL	Not Specified	hg (mg/kg) dw
TRC-51 (4)	09B02333	SOIL	Not Specified	solids (percent)
TRC-51 (4)	09B02352	SOIL	Not Specified	tclp - metals
TRC-51 (7)	09B02334	SOIL	Not Specified	6010 drywt mcp
TRC-51 (7)	09B02334	SOIL	Not Specified	hg (mg/kg) dw
TRC-51 (7)	09B02334	SOIL	Not Specified	solids (percent)
TRC-51 (7)	09B02353	SOIL	Not Specified	tclp - metals
TRC-52 (1)	09B02329	SOIL	Not Specified	6010 drywt mcp
TRC-52 (1)	09B02329	SOIL	Not Specified	hg (mg/kg) dw
TRC-52 (1)	09B02329	SOIL	Not Specified	solids (percent)
TRC-52 (1)	09B02348	SOIL	Not Specified	tclp - metals
TRC-52 (4)	09B02330	SOIL	Not Specified	6010 drywt mcp
TRC-52 (4)	09B02330	SOIL	Not Specified	hg (mg/kg) dw
TRC-52 (4)	09B02330	SOIL	Not Specified	solids (percent)
TRC-52 (4)	09B02349	SOIL	Not Specified	tclp - metals
TRC-52 (7)	09B02331	SOIL	Not Specified	6010 drywt mcp

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LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22895
JOB NUMBER: 115058

TRC-52 (7)	09B02331	SOIL	Not Specified	hg (mg/kg) dw
TRC-52 (7)	09B02331	SOIL	Not Specified	solids (percent)
TRC-52 (7)	09B02350	SOIL	Not Specified	tclp - metals

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CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22895
JOB NUMBER: 115058

Comments :

LIMS BATCH NO. : LIMT-22895

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples analyzed by method(s) listed unless listed below: None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4 degrees C +/- 2 degrees as specified on the chain-of-custody form unless listed below: All properly preserved

In method TCLP, for all samples, due to limited sample volume the suggested 100 g could not be used, 50 g was used for extraction.

In method 7470, the duplicate RPD, ms and msd recoveries are outside control limits for sample 09B02327. Reduced precision anticipated for reported result. Possibility of sample matrix effects that may lead to a high bias for reported result cannot be eliminated. Analysis in control based on the LFB recovery.

In method 6010 SOIL, the low level calibration check is outside control limits for Zn. Reported results for this element at or near the detection limit may be bias on the high side. Soil method blank contamination noted above the reporting limit for Zn. Reported results for this element may be bias on the high side. The duplicate RPD's are outside control limits for Ba, Cd and Zn on sample 09B02327. Reduced precision anticipated for reported results. The ms and msd recoveries are outside control limits for Sb on sample 09B02321 and As and Sb for sample 09B02327. For sample 09B02321, the msd recovery is <30% and the ms recovery is >30%, post spike recovery = 106%. For sample 09B02327, As and Sb recoveries are >30%, no corrective action is needed. Analysis in control based on LFB recovery. Possibility of sample matrix effects that may lead to a low bias for reported results cannot be eliminated.

In method 8270, initial calibration did not meet method specifications. For sample(s) 09B02316-09B02318, and 09B02321-09B02325, Benzo(g,h,i)perylene was calibrated by linear regression with a correlation coefficient < 0.99. Reduced accuracy and precision are anticipated for any reported result for this compound(s).

In method 8270, any reported result for Benzo(g,h,i)perylene, and Fluoranthene in all sample(s) is likely to be biased on the low side based on laboratory fortified blank (laboratory control sample) and duplicate recovery bias.

In method 8270, for sample 09B02321, either matrix spike or matrix spike duplicate recovery for Fluorene, and Benzo(g,h,i)perylene is outside of control limits, but the other is within limits. Outlier should be viewed as a one-time anomaly.

In method 8270, for sample 09B02321, matrix spike duplicate RPD for Benzo(g,h,i)perylene, Fluoranthene, Indeno(1,2,3)pyrene and Pyrene is outside of control limits. Reduced precision is anticipated for any reported results for these compounds in this sample.

There are no other issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846 7470/7471A - ADDITIONAL COMMENTS

Sample duplicate, matrix spike, and matrix spike duplicate were performed on SOIL samples

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PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22895
JOB NUMBER: 115058

09B02321 and 09B02327, and TCLP sample 09B02340 and 09B02346. Sample duplicates are not reported for sample 09B02321, 02340, and 02346 due to non-detect sample and duplicate results.

METHOD SW846 6010 - ADDITIONAL COMMENTS

SOIL:
Sample duplicate, matrix spike, and matrix spike duplicate were performed on SOIL samples 09B02321 and 09B02327. Duplicate results are not reported for Ag, Be, Cd, Sb, Se, and Tl for sample 09B02321, and Ag, Be, Sb, Se, and Tl for sample 09B02327.
Either the LFB or the LFB duplicate recovery is outside control limits for As, Be, Cd, Cr, Ni, Pb, Se, Tl, V, and Zn, but the other is within the limits. Analysis in control.
The ms and msd recoveries are outside control limits for Ba, Pb and Zn on sample 09B02327. Sample to spike ratio >4:1, therefore a representative recovery may not be obtainable.

TCLP:
Sample duplicate, matrix spike, and matrix spike duplicate were performed on TCLP samples 09B02340 and 09B02346. Duplicate results are not reported for Ag, As, Cd, Pb, Se for sample 09B02340, and Ag, Cr and Se for sample 09B02346.
Either the LFB or the LFB duplicate recovery is outside control limits for Se, but the other is within the limits. Analysis in control.
The laboratory fortified blank and duplicate recoveries are outside of control limits for As. Data validation is not affected since all results are "not detected" and the bias is on the high side.
The matrix spike and matrix spike duplicate recoveries are outside control limits for As and Se on sample 09B02340 and As for sample 09B02346. Analysis is in control based on laboratory fortified blank recovery. Data validation is not affected since sample results are non detect and the bias is on the high side. The msd recovery is outside control limits for Pb on sample 09B02346 but ms is with limits. Sample to spike ratio >4:1, therefore a representative recovery may not be obtainable.

METHOD SW846 8270 - ADDITIONAL DETAILS

Solid samples, if any, in the batch were extracted by the following method:
Microwave: SW-846 3546

All 8270 samples were analyzed undiluted unless specified below:

Sample	Dilution(s)
09B02317	25x
09B02320	5x
09B02322	2x
09B02324	10x

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative.
Difficult analytes for soil LCS - limits between 10 and 180% depending on the compound (see QC summary report for limits): 3,3'-dichlorobenzidine, aniline, 2,4-dinitrophenol, and 4-chloroaniline.
Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for "difficult analytes" where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative.
Difficult analytes for soil RPDs: 3,3'-dichlorobenzidine, 4-nitrophenol, and aniline.

Compounds outside of control limits:

In method 8270, laboratory fortified blank (laboratory control sample) duplicate recovery is outside control limits

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CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22895
JOB NUMBER: 115058

for Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Dibenz(a,h)anthracene, Fluorene, Indeno(1,2,3)pyrene, Phenanthene, and Pyrene, but the other is within limits. Analysis is in control.

All 8270 surrogate standard recoveries were within control limits specified by the method unless listed below: None outside of control limits

8270 QC SURROGATE RECOVERIES

BLANK-129015

NITROBENZENE-D5:	72%
2-FLUOROBIPHENYL:	66%
TERPHENYL-D14:	76%

LFBLANK-91096	LFB	LFB DUPLICATE
NITROBENZENE-D5:	56%	50%
2-FLUOROBIPHENYL:	51%	46%
TERPHENYL-D14:	54%	47%

MATRIX SPIKE SAMPLE 09B02321	MS	MS DUPLICATE
NITROBENZENE-D5:	55%	56%
2-FLUOROBIPHENYL:	76%	60%
TERPHENYL-D14:	103%	53%

All 8270 matrix spike and matrix spike duplicate recoveries, sample duplicate RPDs and MSDRPDs, if requested in this batch were within control limits specified by the method unless listed below:

In method 8270, matrix spike and matrix spike duplicate was requested and performed on sample 09B02321.

All analyte list compounds were reported for method 8270 unless listed below:

In method 8270, only PAH compounds were requested and reported.

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

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 individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

2/3/09

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

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CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22895
JOB NUMBER: 115058

SIGNATURE	DATE		
		Edward Denson Technical Director	Daren Damboragian Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-47 (1)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02316 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.48			
Arsenic	mg/kg dry wt	4.59	01/30/09	OP	3.42			
Barium	mg/kg dry wt	44.6	01/30/09	OP	6.84			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.35			
Cadmium	mg/kg dry wt	ND	01/30/09	OP	0.35			
Chromium	mg/kg dry wt	13.8	01/30/09	OP	0.69			
Lead	mg/kg dry wt	73.2	01/30/09	OP	1.03			
Nickel	mg/kg dry wt	7.77	01/30/09	OP	0.69			
Selenium	mg/kg dry wt	ND	01/30/09	OP	6.84			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.69			
Thallium	mg/kg dry wt	ND	01/30/09	OP	4.11			
Vanadium	mg/kg dry wt	22.0	01/30/09	OP	6.84			
Zinc	mg/kg dry wt	63.5	01/30/09	OP	1.37			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-47 (5)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02317 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	6.75			
Arsenic	mg/kg dry wt	13.3	01/30/09	OP	4.22			
Barium	mg/kg dry wt	1680	01/30/09	OP	8.44			
Beryllium	mg/kg dry wt	1.53	01/30/09	OP	0.43			
Cadmium	mg/kg dry wt	6.49	01/30/09	OP	0.43			
Chromium	mg/kg dry wt	40.8	01/30/09	OP	0.85			
Lead	mg/kg dry wt	1030	01/30/09	OP	1.27			
Nickel	mg/kg dry wt	25.9	01/30/09	OP	0.85			
Selenium	mg/kg dry wt	ND	01/30/09	OP	8.44			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.85			
Thallium	mg/kg dry wt	ND	01/30/09	OP	5.06			
Vanadium	mg/kg dry wt	36.7	01/30/09	OP	8.44			
Zinc	mg/kg dry wt	1830	01/30/09	OP	1.69			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-47 (8)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02318 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	4.68			
Arsenic	mg/kg dry wt	ND	01/30/09	OP	2.93			
Barium	mg/kg dry wt	13.8	01/30/09	OP	5.85			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.30			
Cadmium	mg/kg dry wt	ND	01/30/09	OP	0.30			
Chromium	mg/kg dry wt	4.99	01/30/09	OP	0.59			
Lead	mg/kg dry wt	2.53	01/30/09	OP	0.88			
Nickel	mg/kg dry wt	2.44	01/30/09	OP	0.59			
Selenium	mg/kg dry wt	ND	01/30/09	OP	5.85			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.59			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.51			
Vanadium	mg/kg dry wt	ND	01/30/09	OP	5.85			
Zinc	mg/kg dry wt	13.0	01/30/09	OP	1.17			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-48 (1)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02323 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.50			
Arsenic	mg/kg dry wt	5.94	01/30/09	OP	3.44			
Barium	mg/kg dry wt	40.4	01/30/09	OP	6.87			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.35			
Cadmium	mg/kg dry wt	ND	01/30/09	OP	0.35			
Chromium	mg/kg dry wt	15.2	01/30/09	OP	0.69			
Lead	mg/kg dry wt	92.2	01/30/09	OP	1.04			
Nickel	mg/kg dry wt	6.18	01/30/09	OP	0.69			
Selenium	mg/kg dry wt	ND	01/30/09	OP	6.87			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.69			
Thallium	mg/kg dry wt	ND	01/30/09	OP	4.13			
Vanadium	mg/kg dry wt	24.7	01/30/09	OP	6.87			
Zinc	mg/kg dry wt	58.3	01/30/09	OP	1.38			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-48 (4)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02324 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.37			
Arsenic	mg/kg dry wt	8.44	01/30/09	OP	3.36			
Barium	mg/kg dry wt	371	01/30/09	OP	6.72			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.34			
Cadmium	mg/kg dry wt	1.32	01/30/09	OP	0.34			
Chromium	mg/kg dry wt	18.3	01/30/09	OP	0.68			
Lead	mg/kg dry wt	820	01/30/09	OP	1.01			
Nickel	mg/kg dry wt	10.9	01/30/09	OP	0.68			
Selenium	mg/kg dry wt	ND	01/30/09	OP	6.72			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.68			
Thallium	mg/kg dry wt	ND	01/30/09	OP	4.03			
Vanadium	mg/kg dry wt	17.5	01/30/09	OP	6.72			
Zinc	mg/kg dry wt	527	01/30/09	OP	1.35			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-48 (8)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02325 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	4.37			
Arsenic	mg/kg dry wt	ND	01/30/09	OP	2.73			
Barium	mg/kg dry wt	22.3	01/30/09	OP	5.46			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.28			
Cadmium	mg/kg dry wt	ND	01/30/09	OP	0.28			
Chromium	mg/kg dry wt	11.1	01/30/09	OP	0.55			
Lead	mg/kg dry wt	3.96	01/30/09	OP	0.82			
Nickel	mg/kg dry wt	5.35	01/30/09	OP	0.55			
Selenium	mg/kg dry wt	ND	01/30/09	OP	5.46			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.55			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.28			
Vanadium	mg/kg dry wt	13.1	01/30/09	OP	5.46			
Zinc	mg/kg dry wt	31.7	01/30/09	OP	1.10			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-48D

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02322 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.79			
Arsenic	mg/kg dry wt	14.1	01/30/09	OP	3.62			
Barium	mg/kg dry wt	423	01/30/09	OP	7.23			
Beryllium	mg/kg dry wt	0.85	01/30/09	OP	0.37			
Cadmium	mg/kg dry wt	2.59	01/30/09	OP	0.37			
Chromium	mg/kg dry wt	28.2	01/30/09	OP	0.73			
Lead	mg/kg dry wt	1330	01/30/09	OP	1.09			
Nickel	mg/kg dry wt	20.2	01/30/09	OP	0.73			
Selenium	mg/kg dry wt	ND	01/30/09	OP	7.23			
Silver	mg/kg dry wt	1.56	01/30/09	OP	0.73			
Thallium	mg/kg dry wt	ND	01/30/09	OP	4.34			
Vanadium	mg/kg dry wt	26.2	01/30/09	OP	7.23			
Zinc	mg/kg dry wt	848	01/30/09	OP	1.45			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-49 (1)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02319 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	4.80			
Arsenic	mg/kg dry wt	4.03	01/30/09	OP	3.00			
Barium	mg/kg dry wt	28.3	01/30/09	OP	5.99			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.30			
Cadmium	mg/kg dry wt	ND	01/30/09	OP	0.30			
Chromium	mg/kg dry wt	13.4	01/30/09	OP	0.60			
Lead	mg/kg dry wt	43.0	01/30/09	OP	0.90			
Nickel	mg/kg dry wt	4.68	01/30/09	OP	0.60			
Selenium	mg/kg dry wt	ND	01/30/09	OP	5.99			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.60			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.60			
Vanadium	mg/kg dry wt	19.1	01/30/09	OP	5.99			
Zinc	mg/kg dry wt	31.3	01/30/09	OP	1.20			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-49 (5)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02320 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.26			
Arsenic	mg/kg dry wt	4.48	01/30/09	OP	3.29			
Barium	mg/kg dry wt	292	01/30/09	OP	6.58			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.33			
Cadmium	mg/kg dry wt	1.44	01/30/09	OP	0.33			
Chromium	mg/kg dry wt	17.6	01/30/09	OP	0.66			
Lead	mg/kg dry wt	840	01/30/09	OP	0.99			
Nickel	mg/kg dry wt	7.94	01/30/09	OP	0.66			
Selenium	mg/kg dry wt	ND	01/30/09	OP	6.58			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.66			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.95			
Vanadium	mg/kg dry wt	15.7	01/30/09	OP	6.58			
Zinc	mg/kg dry wt	294	01/30/09	OP	1.32			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-49 (8)QC

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02321 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	4.39			
Arsenic	mg/kg dry wt	3.42	01/30/09	OP	2.75			
Barium	mg/kg dry wt	27.0	01/30/09	OP	5.49			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.28			
Cadmium	mg/kg dry wt	ND	01/30/09	OP	0.28			
Chromium	mg/kg dry wt	17.8	01/30/09	OP	0.55			
Lead	mg/kg dry wt	4.02	01/30/09	OP	0.83			
Nickel	mg/kg dry wt	7.83	01/30/09	OP	0.55			
Selenium	mg/kg dry wt	ND	01/30/09	OP	5.49			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.55			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.29			
Vanadium	mg/kg dry wt	19.5	01/30/09	OP	5.49			
Zinc	mg/kg dry wt	29.2	01/30/09	OP	1.10			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-50 (1)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02326 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.22			
Arsenic	mg/kg dry wt	4.95	01/30/09	OP	3.26			
Barium	mg/kg dry wt	28.9	01/30/09	OP	6.52			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.33			
Cadmium	mg/kg dry wt	ND	01/30/09	OP	0.33			
Chromium	mg/kg dry wt	15.3	01/30/09	OP	0.66			
Lead	mg/kg dry wt	48.5	01/30/09	OP	0.98			
Nickel	mg/kg dry wt	5.34	01/30/09	OP	0.66			
Selenium	mg/kg dry wt	ND	01/30/09	OP	6.52			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.66			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.92			
Vanadium	mg/kg dry wt	21.5	01/30/09	OP	6.52			
Zinc	mg/kg dry wt	36.0	01/30/09	OP	1.31			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-50 (4)QC

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02327 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	4.67			
Arsenic	mg/kg dry wt	31.7	01/30/09	OP	2.92			
Barium	mg/kg dry wt	5090	01/30/09	OP	5.84			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.30			
Cadmium	mg/kg dry wt	5.25	01/30/09	OP	0.30			
Chromium	mg/kg dry wt	24.7	01/30/09	OP	0.59			
Lead	mg/kg dry wt	1360	01/30/09	OP	0.88			
Nickel	mg/kg dry wt	14.0	01/30/09	OP	0.59			
Selenium	mg/kg dry wt	ND	01/30/09	OP	5.84			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.59			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.51			
Vanadium	mg/kg dry wt	23.1	01/30/09	OP	5.84			
Zinc	mg/kg dry wt	14100	01/30/09	OP	1.17			

Analytical Method:
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650 SUFFOLK STREET
LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-50 (7)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02328 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	4.39			
Arsenic	mg/kg dry wt	7.54	01/30/09	OP	2.75			
Barium	mg/kg dry wt	114	01/30/09	OP	5.49			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.28			
Cadmium	mg/kg dry wt	0.38	01/30/09	OP	0.28			
Chromium	mg/kg dry wt	103	01/30/09	OP	0.55			
Lead	mg/kg dry wt	6.39	01/30/09	OP	0.83			
Nickel	mg/kg dry wt	33.2	01/30/09	OP	0.55			
Selenium	mg/kg dry wt	ND	01/30/09	OP	5.49			
Silver	mg/kg dry wt	0.56	01/30/09	OP	0.55			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.29			
Vanadium	mg/kg dry wt	31.0	01/30/09	OP	5.49			
Zinc	mg/kg dry wt	114	01/30/09	OP	1.10			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-51 (1)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02332 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.46			
Arsenic	mg/kg dry wt	4.64	01/30/09	OP	3.42			
Barium	mg/kg dry wt	62.2	01/30/09	OP	6.83			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.35			
Cadmium	mg/kg dry wt	0.62	01/30/09	OP	0.35			
Chromium	mg/kg dry wt	23.7	01/30/09	OP	0.69			
Lead	mg/kg dry wt	158	01/30/09	OP	1.03			
Nickel	mg/kg dry wt	13.7	01/30/09	OP	0.69			
Selenium	mg/kg dry wt	ND	01/30/09	OP	6.83			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.69			
Thallium	mg/kg dry wt	ND	01/30/09	OP	4.10			
Vanadium	mg/kg dry wt	32.7	01/30/09	OP	6.83			
Zinc	mg/kg dry wt	97.5	01/30/09	OP	1.37			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-51 (4)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02333 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	94.2	01/30/09	OP	6.15			
Arsenic	mg/kg dry wt	16.1	01/30/09	OP	3.85			
Barium	mg/kg dry wt	302	01/30/09	OP	7.69			
Beryllium	mg/kg dry wt	1.07	01/30/09	OP	0.39			
Cadmium	mg/kg dry wt	1.38	01/30/09	OP	0.39			
Chromium	mg/kg dry wt	28.0	01/30/09	OP	0.77			
Lead	mg/kg dry wt	668	01/30/09	OP	1.16			
Nickel	mg/kg dry wt	78.5	01/30/09	OP	0.77			
Selenium	mg/kg dry wt	ND	01/30/09	OP	7.69			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.77			
Thallium	mg/kg dry wt	ND	01/30/09	OP	4.61			
Vanadium	mg/kg dry wt	39.7	01/30/09	OP	7.69			
Zinc	mg/kg dry wt	695	01/30/09	OP	1.54			

Analytical Method:
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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-51 (7)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02334 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	4.31			
Arsenic	mg/kg dry wt	ND	01/30/09	OP	2.70			
Barium	mg/kg dry wt	15.3	01/30/09	OP	5.39			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.27			
Cadmium	mg/kg dry wt	ND	01/30/09	OP	0.27			
Chromium	mg/kg dry wt	8.52	01/30/09	OP	0.54			
Lead	mg/kg dry wt	4.86	01/30/09	OP	0.81			
Nickel	mg/kg dry wt	3.18	01/30/09	OP	0.54			
Selenium	mg/kg dry wt	ND	01/30/09	OP	5.39			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.54			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.23			
Vanadium	mg/kg dry wt	5.95	01/30/09	OP	5.39			
Zinc	mg/kg dry wt	47.0	01/30/09	OP	1.08			

Analytical Method:
SW846 6010
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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-52 (1)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02329 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.62			
Arsenic	mg/kg dry wt	5.34	01/30/09	OP	3.51			
Barium	mg/kg dry wt	51.4	01/30/09	OP	7.02			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.36			
Cadmium	mg/kg dry wt	0.39	01/30/09	OP	0.36			
Chromium	mg/kg dry wt	16.7	01/30/09	OP	0.71			
Lead	mg/kg dry wt	78.9	01/30/09	OP	1.06			
Nickel	mg/kg dry wt	6.20	01/30/09	OP	0.71			
Selenium	mg/kg dry wt	ND	01/30/09	OP	7.02			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.71			
Thallium	mg/kg dry wt	ND	01/30/09	OP	4.21			
Vanadium	mg/kg dry wt	23.9	01/30/09	OP	7.02			
Zinc	mg/kg dry wt	60.2	01/30/09	OP	1.41			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-52 (4)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02330 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.01			
Arsenic	mg/kg dry wt	21.7	01/30/09	OP	3.13			
Barium	mg/kg dry wt	708	01/30/09	OP	6.26			
Beryllium	mg/kg dry wt	1.24	01/30/09	OP	0.32			
Cadmium	mg/kg dry wt	1.21	01/30/09	OP	0.32			
Chromium	mg/kg dry wt	24.6	01/30/09	OP	0.63			
Lead	mg/kg dry wt	1110	01/30/09	OP	0.94			
Nickel	mg/kg dry wt	17.6	01/30/09	OP	0.63			
Selenium	mg/kg dry wt	6.60	01/30/09	OP	6.26			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.63			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.76			
Vanadium	mg/kg dry wt	30.5	01/30/09	OP	6.26			
Zinc	mg/kg dry wt	653	01/30/09	OP	1.26			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-52 (7)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02331 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	4.73			
Arsenic	mg/kg dry wt	ND	01/30/09	OP	2.96			
Barium	mg/kg dry wt	38.7	01/30/09	OP	5.91			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.30			
Cadmium	mg/kg dry wt	ND	01/30/09	OP	0.30			
Chromium	mg/kg dry wt	16.0	01/30/09	OP	0.60			
Lead	mg/kg dry wt	7.27	01/30/09	OP	0.89			
Nickel	mg/kg dry wt	8.15	01/30/09	OP	0.60			
Selenium	mg/kg dry wt	ND	01/30/09	OP	5.91			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.60			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.55			
Vanadium	mg/kg dry wt	16.9	01/30/09	OP	5.91			
Zinc	mg/kg dry wt	29.1	01/30/09	OP	1.19			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-47 (1)

Sample ID : 09B02316 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.109	01/30/09	KM	0.017			

Field Sample # : TRC-47 (5)

Sample ID : 09B02317 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.497	01/30/09	KM	0.016			

Field Sample # : TRC-47 (8)

Sample ID : 09B02318 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/30/09	KM	0.010			

Field Sample # : TRC-48 (1)

Sample ID : 09B02323 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.120	01/30/09	KM	0.013			

Field Sample # : TRC-48 (4)

Sample ID : 09B02324 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.237	01/30/09	KM	0.018			

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-48 (8)

Sample ID : 09B02325 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/30/09	KM	0.014			

Field Sample # : TRC-48D

Sample ID : 09B02322 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.340	01/30/09	KM	0.018			

Field Sample # : TRC-49 (1)

Sample ID : 09B02319 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.085	01/30/09	KM	0.016			

Field Sample # : TRC-49 (5)

Sample ID : 09B02320 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.363	01/30/09	KM	0.017			

Field Sample # : TRC-49 (8)QC

Sample ID : 09B02321 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/30/09	KM	0.013			

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NM = Not Measured

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LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-50 (1)

Sample ID : 09B02326 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.085	01/30/09	KM	0.012			

Field Sample # : TRC-50 (4)QC

Sample ID : 09B02327 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.131	01/30/09	KM	0.025			

Field Sample # : TRC-50 (7)

Sample ID : 09B02328 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/30/09	KM	0.013			

Field Sample # : TRC-51 (1)

Sample ID : 09B02332 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.128	01/30/09	KM	0.024			

Field Sample # : TRC-51 (4)

Sample ID : 09B02333 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.070	01/30/09	KM	0.019			

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LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-51 (7)

Sample ID : 09B02334 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.024	01/30/09	KM	0.015			

Field Sample # : TRC-52 (1)

Sample ID : 09B02329 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.126	01/30/09	KM	0.015			

Field Sample # : TRC-52 (4)

Sample ID : 09B02330 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.077	01/30/09	KM	0.014			

Field Sample # : TRC-52 (7)

Sample ID : 09B02331 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/30/09	KM	0.010			

Analytical Method:
SW846 3050/7471
SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

RL = Reporting Limit

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-47 (1)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02316 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Acenaphthylene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Benzo(a)anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Benzo(a)pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Chrysene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Fluoranthene	mg/kg dry wt	0.287	01/31/09	BGL	0.228			
Fluorene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
2-Methylnaphthalene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Naphthalene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Phenanthrene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.228			
Extraction Date 8270		1/30/2009	01/31/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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650 SUFFOLK STREET
LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-47 (5)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02317 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Acenaphthylene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Anthracene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Benzo(a)anthracene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Benzo(a)pyrene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Chrysene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Fluorene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
2-Methylnaphthalene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Naphthalene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Phenanthrene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Pyrene	mg/kg dry wt	ND	01/31/09	BGL	7.03			
Extraction Date 8270		1/30/2009	01/31/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-47 (8)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02318 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Acenaphthylene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Benzo(a)anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Benzo(a)pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Chrysene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Fluorene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
2-Methylnaphthalene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Naphthalene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Phenanthrene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.195			
Extraction Date 8270		1/30/2009	01/31/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

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TRC SOLUTIONS - LOWELL
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LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-48 (1)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02323

‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Acenaphthylene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Benzo(a)anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Benzo(a)pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Chrysene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Fluorene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
2-Methylnaphthalene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Naphthalene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Phenanthrene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.229			
Extraction Date 8270		1/30/2009	01/31/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-48 (4)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02324 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Acenaphthylene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Anthracene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Benzo(a)anthracene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Benzo(a)pyrene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Chrysene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Fluorene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
2-Methylnaphthalene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Naphthalene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Phenanthrene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Pyrene	mg/kg dry wt	ND	01/31/09	BGL	2.24			
Extraction Date 8270		1/30/2009	01/31/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

RL = Reporting Limit

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‡ = See attached chain-of-custody record for time sampled

con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-48 (8)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02325

‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Acenaphthylene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Benzo(a)anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Benzo(a)pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Chrysene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Fluorene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
2-Methylnaphthalene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Naphthalene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Phenanthrene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.182			
Extraction Date 8270		1/30/2009	01/31/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-48D

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02322 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/31/09	BGL	0.482			
Acenaphthylene	mg/kg dry wt	ND	01/31/09	BGL	0.482			
Anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.482			
Benzo(a)anthracene	mg/kg dry wt	2.10	01/31/09	BGL	0.482			
Benzo(a)pyrene	mg/kg dry wt	1.93	01/31/09	BGL	0.482			
Benzo(b)fluoranthene	mg/kg dry wt	2.48	01/31/09	BGL	0.482			
Benzo(g,h,i)perylene	mg/kg dry wt	1.22	01/31/09	BGL	0.482			
Benzo(k)fluoranthene	mg/kg dry wt	1.01	01/31/09	BGL	0.482			
Chrysene	mg/kg dry wt	2.29	01/31/09	BGL	0.482			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.482			
Fluoranthene	mg/kg dry wt	5.24	01/31/09	BGL	0.482			
Fluorene	mg/kg dry wt	ND	01/31/09	BGL	0.482			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	1.74	01/31/09	BGL	0.482			
2-Methylnaphthalene	mg/kg dry wt	ND	01/31/09	BGL	0.482			
Naphthalene	mg/kg dry wt	ND	01/31/09	BGL	0.482			
Phenanthrene	mg/kg dry wt	2.19	01/31/09	BGL	0.482			
Pyrene	mg/kg dry wt	5.54	01/31/09	BGL	0.482			
Extraction Date 8270		1/30/2009	01/31/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-49 (1)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02319 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Acenaphthylene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Anthracene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Benzo(a)anthracene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Benzo(a)pyrene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Benzo(b)fluoranthene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Chrysene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Fluoranthene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Fluorene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
2-Methylnaphthalene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Naphthalene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Phenanthrene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Pyrene	mg/kg dry wt	ND	02/02/09	BGL	0.200			
Extraction Date 8270		1/30/2009	02/02/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-49 (5)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02320

‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	02/02/09	BGL	1.10			
Acenaphthylene	mg/kg dry wt	ND	02/02/09	BGL	1.10			
Anthracene	mg/kg dry wt	ND	02/02/09	BGL	1.10			
Benzo(a)anthracene	mg/kg dry wt	ND	02/02/09	BGL	1.10			
Benzo(a)pyrene	mg/kg dry wt	ND	02/02/09	BGL	1.10			
Benzo(b)fluoranthene	mg/kg dry wt	1.11	02/02/09	BGL	1.10			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	02/02/09	BGL	1.10			
Benzo(k)fluoranthene	mg/kg dry wt	ND	02/02/09	BGL	1.10			
Chrysene	mg/kg dry wt	1.18	02/02/09	BGL	1.10			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	02/02/09	BGL	1.10			
Fluoranthene	mg/kg dry wt	2.00	02/02/09	BGL	1.10			
Fluorene	mg/kg dry wt	ND	02/02/09	BGL	1.10			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	02/02/09	BGL	1.10			
2-Methylnaphthalene	mg/kg dry wt	ND	02/02/09	BGL	1.10			
Naphthalene	mg/kg dry wt	ND	02/02/09	BGL	1.10			
Phenanthrene	mg/kg dry wt	1.99	02/02/09	BGL	1.10			
Pyrene	mg/kg dry wt	2.61	02/02/09	BGL	1.10			
Extraction Date 8270		1/30/2009	02/02/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-49 (8)QC

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02321 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Acenaphthene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Acenaphthylene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Benzo(a)anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Benzo(a)pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Benzo(b)fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Benzo(g,h,i)perylene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Benzo(k)fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Chrysene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Dibenz(a,h)anthracene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Fluoranthene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Fluorene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Indeno(1,2,3-cd)pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
2-Methylnaphthalene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Naphthalene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Phenanthrene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Pyrene	mg/kg dry wt	ND	01/31/09	BGL	0.183			
Extraction Date 8270		1/30/2009	01/31/09	BGL				

Analytical Method:
SW846 8270
SAMPLES ARE EXTRACTED IN METHYLENE CHLORIDE/ACETONE AND FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-47 (1)

Sample ID : 09B02316 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	73.1	02/02/09	FD				

Field Sample # : TRC-47 (5)

Sample ID : 09B02317 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	59.3	02/02/09	FD				

Field Sample # : TRC-47 (8)

Sample ID : 09B02318 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	85.6	02/02/09	FD				

Field Sample # : TRC-48 (1)

Sample ID : 09B02323 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	72.8	02/02/09	FD				

Field Sample # : TRC-48 (4)

Sample ID : 09B02324 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	74.5	02/02/09	FD				

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-48 (8)

Sample ID : 09B02325 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	91.7	02/02/09	FD				

Field Sample # : TRC-48D

Sample ID : 09B02322 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	69.2	02/02/09	FD				

Field Sample # : TRC-49 (1)

Sample ID : 09B02319 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	83.5	02/02/09	FD				

Field Sample # : TRC-49 (5)

Sample ID : 09B02320 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	76.1	02/02/09	FD				

Field Sample # : TRC-49 (8)QC

Sample ID : 09B02321 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	91.2	02/02/09	FD				

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-50 (1)

Sample ID : 09B02326 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	76.7	02/02/09	FD				

Field Sample # : TRC-50 (4)QC

Sample ID : 09B02327 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	85.7	02/02/09	FD				

Field Sample # : TRC-50 (7)

Sample ID : 09B02328 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	91.2	02/02/09	FD				

Field Sample # : TRC-51 (1)

Sample ID : 09B02332 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	73.3	02/02/09	FD				

Field Sample # : TRC-51 (4)

Sample ID : 09B02333 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	65.1	02/02/09	FD				

RL = Reporting Limit

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NM = Not Measured

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SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-51 (7)

Sample ID : 09B02334 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	92.9	02/02/09	FD				

Field Sample # : TRC-52 (1)

Sample ID : 09B02329 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	71.3	02/02/09	FD				

Field Sample # : TRC-52 (4)

Sample ID : 09B02330 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	79.9	02/02/09	FD				

Field Sample # : TRC-52 (7)

Sample ID : 09B02331 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	84.7	02/02/09	FD				

Analytical Method:
SM 2540G
PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

RL = Reporting Limit

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con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-47 (1)

Sample ID : 09B02335 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	0.26	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	0.036	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

Field Sample # : TRC-47 (5)

Sample ID : 09B02336 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	1.05	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	0.031	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	0.518	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

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Purchase Order No.:

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Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-47 (8)

Sample ID : 09B02337 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	0.30	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	0.01	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	ND	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

Field Sample # : TRC-48 (1)

Sample ID : 09B02342 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	1.15	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	0.010	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	2.31	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

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Purchase Order No.:

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Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-48 (4)

Sample ID : 09B02343 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	0.95	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	0.021	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	1.55	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

Field Sample # : TRC-48 (8)

Sample ID : 09B02344 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	0.24	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	ND	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

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Purchase Order No.:

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LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-48D

Sample ID : 09B02341 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	1.11	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	0.039	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	2.78	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	0.018	02/02/09	OP	0.005		5	P

Field Sample # : TRC-49 (1)

Sample ID : 09B02338 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	0.25	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	0.02	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	0.044	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

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LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-49 (5)

Sample ID : 09B02339 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	0.96	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	0.008	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	0.351	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

Field Sample # : TRC-49 (8)QC

Sample ID : 09B02340 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	0.36	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	0.01	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	ND	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

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Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-50 (1)

Sample ID : 09B02345 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	0.19	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	0.050	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

Field Sample # : TRC-50 (4)QC

Sample ID : 09B02346 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	2.14	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	0.045	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	6.36	02/02/09	OP	0.015		5	F
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

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Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-50 (7)

Sample ID : 09B02347 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	0.31	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	ND	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	0.030	02/02/09	OP	0.005		5	P

Field Sample # : TRC-51 (1)

Sample ID : 09B02351 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	0.44	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	0.006	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	0.179	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

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Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-51 (4)

Sample ID : 09B02352 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	0.27	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	0.083	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

Field Sample # : TRC-51 (7)

Sample ID : 09B02353 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	0.24	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	ND	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

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LIMS-BAT #: LIMT-22895
Job Number: 115058

Field Sample # : TRC-52 (1)

Sample ID : 09B02348 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	0.34	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	0.075	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	0.006	02/02/09	OP	0.005		5	P

Field Sample # : TRC-52 (4)

Sample ID : 09B02349 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	1.88	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	0.017	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	1.23	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

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Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-52 (7)

LIMS-BAT #: LIMT-22895
Job Number: 115058

Sample ID : 09B02350 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	OP	0.010		5	P
Barium	mg/l leachate	0.24	02/02/09	OP	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	OP	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	OP	0.01		5	P
Lead	mg/l leachate	ND	02/02/09	OP	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	OP	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	OP	0.005		5	P

Analytical Method:

SW846 1311/6010 1311/7470

SW846 1311 TCLP EXTRACTION. SAMPLES ARE EXTRACTED FOR 18-24 HOURS INTO A pH 5.0 BUFFER SOLUTION TO PRODUCE A LEACHATE. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

SW846 6010 ARSENIC, BARIUM, CADMIUM, CHROMIUM, LEAD, SELENIUM AND SILVER LEACHATES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY.

SW846 7470 MERCURY LEACHATE IS ANALYZED BY COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22895
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** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: GCMS/SEMI-11874

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02316					
	Nitrobenzene-d5	Surrogate Recovery	52.6	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	63.7	%	30-130
	Terphenyl-d14	Surrogate Recovery	60.5	%	30-130
09B02317					
	Nitrobenzene-d5	Surrogate Recovery	62.2	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	66.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	78.7	%	30-130
09B02318					
	Nitrobenzene-d5	Surrogate Recovery	46.7	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	56.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	52.1	%	30-130
09B02319					
	Nitrobenzene-d5	Surrogate Recovery	51.6	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	52.3	%	30-130
	Terphenyl-d14	Surrogate Recovery	64.2	%	30-130
09B02320					
	Nitrobenzene-d5	Surrogate Recovery	47.3	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	48.6	%	30-130
	Terphenyl-d14	Surrogate Recovery	56.9	%	30-130
09B02321					
	Naphthalene	Sample Amount	<0.183	mg/kg dry wt	
		Duplicate Value	N.M.	mg/kg dry wt	
		Duplicate RPD	>0.000	%	0-50
		Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	0.836	mg/kg dry wt	
		Matrix Spike % Rec.	45.800	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	0.926	mg/kg dry wt	
		MSD % Recovery	50.700	%	
		MSD Range	4.900	units	
		MS Duplicate RPD	10.155	%	0-30
	Acenaphthene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	0.855	mg/kg dry wt	
		Matrix Spike % Rec.	46.799	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	0.932	mg/kg dry wt	
		MSD % Recovery	51.020	%	
		MSD Range	4.220	units	
		MS Duplicate RPD	8.628	%	0-30
	Acenaphthylene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	

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QC Batch Number: GCMS/SEMI-11874

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02321					
	Acenaphthylene	MS Amt Measured	0.877	mg/kg dry wt	
		Matrix Spike % Rec.	48.000	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	0.931	mg/kg dry wt	
		MSD % Recovery	50.980	%	
		MSD Range	2.980	units	
		MS Duplicate RPD	6.021	%	0-30
	Anthracene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	0.884	mg/kg dry wt	
		Matrix Spike % Rec.	48.400	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	0.932	mg/kg dry wt	
		MSD % Recovery	51.020	%	
		MSD Range	2.620	units	
		MS Duplicate RPD	5.270	%	0-30
	Benzo(a)anthracene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	0.961	mg/kg dry wt	
		Matrix Spike % Rec.	52.600	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	0.975	mg/kg dry wt	
		MSD % Recovery	53.359	%	
		MSD Range	0.759	units	
		MS Duplicate RPD	1.434	%	0-30
	Benzo(a)pyrene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	0.935	mg/kg dry wt	
		Matrix Spike % Rec.	51.200	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	1.001	mg/kg dry wt	
		MSD % Recovery	54.779	%	
		MSD Range	3.579	units	
		MS Duplicate RPD	6.755	%	0-30
	Benzo(b)fluoranthene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	0.972	mg/kg dry wt	
		Matrix Spike % Rec.	53.200	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	1.032	mg/kg dry wt	
		MSD % Recovery	56.520	%	
		MSD Range	3.320	units	
		MS Duplicate RPD	6.051	%	0-30

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02321					
	Benzo(g,h,i)perylene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	1.016	mg/kg dry wt	
		Matrix Spike % Rec.	55.600	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	0.584	mg/kg dry wt	
		MSD % Recovery	31.960	%	
		MSD Range	23.640	units	
		MS Duplicate RPD	53.997	%	0-30
	Chrysene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	0.921	mg/kg dry wt	
		Matrix Spike % Rec.	50.400	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	0.985	mg/kg dry wt	
		MSD % Recovery	53.920	%	
		MSD Range	3.520	units	
		MS Duplicate RPD	6.748	%	0-30
	Dibenz(a,h)anthracene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	0.986	mg/kg dry wt	
		Matrix Spike % Rec.	54.000	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	0.730	mg/kg dry wt	
		MSD % Recovery	40.000	%	
		MSD Range	14.000	units	
		MS Duplicate RPD	29.787	%	0-30
	Fluoranthene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	1.242	mg/kg dry wt	
		Matrix Spike % Rec.	67.999	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	0.832	mg/kg dry wt	
		MSD % Recovery	45.560	%	
		MSD Range	22.439	units	
		MS Duplicate RPD	39.520	%	0-30
	Fluorene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	0.716	mg/kg dry wt	
		Matrix Spike % Rec.	39.200	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	0.908	mg/kg dry wt	
		MSD % Recovery	49.700	%	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02321					
	Fluorene	MSD Range	10.500	units	
		MS Duplicate RPD	23.622	%	0-30
	Indeno(1,2,3-cd)pyrene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	1.030	mg/kg dry wt	
		Matrix Spike % Rec.	56.400	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	0.745	mg/kg dry wt	
		MSD % Recovery	40.780	%	
		MSD Range	15.620	units	
		MS Duplicate RPD	32.146	%	0-30
	2-Methylnaphthalene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	0.814	mg/kg dry wt	
		Matrix Spike % Rec.	44.560	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	1.003	mg/kg dry wt	
		MSD % Recovery	54.899	%	
		MSD Range	10.340	units	
		MS Duplicate RPD	20.792	%	0-30
	Phenanthrene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	0.907	mg/kg dry wt	
		Matrix Spike % Rec.	49.680	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	0.943	mg/kg dry wt	
		MSD % Recovery	51.640	%	
		MSD Range	1.959	units	
		MS Duplicate RPD	3.868	%	0-30
	Pyrene	Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	
		MS Amt Measured	1.476	mg/kg dry wt	
		Matrix Spike % Rec.	80.799	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	0.814	mg/kg dry wt	
		MSD % Recovery	44.560	%	
		MSD Range	36.239	units	
		MS Duplicate RPD	57.817	%	0-30
	Benzo(k)fluoranthene	Sample Amount	<0.183	mg/kg dry wt	
		Duplicate Value	N.M.	mg/kg dry wt	
		Duplicate RPD	>0.000	%	0-50
		Sample Amount	<0.183	mg/kg dry wt	
		Matrix Spk Amt Added	1.827	mg/kg dry wt	

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QC Batch Number: GCMS/SEMI-11874

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02321					
	Benzo(k)fluoranthene	MS Amt Measured	1.055	mg/kg dry wt	
		Matrix Spike % Rec.	57.739	%	40-140
		MSD Amount Added	1.827	mg/kg dry wt	
		MSD Amt Measured	1.120	mg/kg dry wt	
		MSD % Recovery	61.300	%	
		MSD Range	3.560	units	
		MS Duplicate RPD	5.981	%	0-30
	Nitrobenzene-d5	Surrogate Recovery	48.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	44.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	53.7	%	30-130
09B02322					
	Nitrobenzene-d5	Surrogate Recovery	33.3	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	44.0	%	30-130
	Terphenyl-d14	Surrogate Recovery	59.6	%	30-130
09B02323					
	Nitrobenzene-d5	Surrogate Recovery	41.1	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	45.1	%	30-130
	Terphenyl-d14	Surrogate Recovery	42.8	%	30-130
09B02324					
	Nitrobenzene-d5	Surrogate Recovery	47.6	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	59.8	%	30-130
	Terphenyl-d14	Surrogate Recovery	56.6	%	30-130
09B02325					
	Nitrobenzene-d5	Surrogate Recovery	64.4	%	30-130
	2-Fluorobiphenyl	Surrogate Recovery	65.3	%	30-130
	Terphenyl-d14	Surrogate Recovery	65.3	%	30-130
BLANK-129015					
	Naphthalene	Blank	<0.167	mg/kg dry wt	
	Acenaphthene	Blank	<0.167	mg/kg dry wt	
	Acenaphthylene	Blank	<0.167	mg/kg dry wt	
	Anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)anthracene	Blank	<0.167	mg/kg dry wt	
	Benzo(a)pyrene	Blank	<0.167	mg/kg dry wt	
	Benzo(b)fluoranthene	Blank	<0.167	mg/kg dry wt	
	Benzo(g,h,i)perylene	Blank	<0.167	mg/kg dry wt	
	Chrysene	Blank	<0.167	mg/kg dry wt	
	Dibenz(a,h)anthracene	Blank	<0.167	mg/kg dry wt	
	Fluoranthene	Blank	<0.167	mg/kg dry wt	
	Fluorene	Blank	<0.167	mg/kg dry wt	
	Indeno(1,2,3-cd)pyrene	Blank	<0.167	mg/kg dry wt	
	2-Methylnaphthalene	Blank	<0.167	mg/kg dry wt	
	Phenanthrene	Blank	<0.167	mg/kg dry wt	
	Pyrene	Blank	<0.167	mg/kg dry wt	

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Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-129015					
	Benzo(k)fluoranthene	Blank	<0.167	mg/kg dry wt	
LFBLANK-91096					
	Naphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.794	mg/kg dry wt	
		Lab Fort Blk. % Rec.	47.660	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.686	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	41.159	%	
		Lab Fort Blank Range	6.500	units	
		Lab Fort Bl. Av. Rec	44.409	%	
		LFB Duplicate RPD	14.636	%	0-30
	Acenaphthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.744	mg/kg dry wt	
		Lab Fort Blk. % Rec.	44.660	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.640	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	38.399	%	
		Lab Fort Blank Range	6.260	units	
		Lab Fort Bl. Av. Rec	41.529	%	
		LFB Duplicate RPD	15.073	%	0-30
	Acenaphthylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.751	mg/kg dry wt	
		Lab Fort Blk. % Rec.	45.079	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.640	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	38.439	%	
		Lab Fort Blank Range	6.639	units	
		Lab Fort Bl. Av. Rec	41.759	%	
		LFB Duplicate RPD	15.900	%	0-30
	Anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.733	mg/kg dry wt	
		Lab Fort Blk. % Rec.	43.999	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.624	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	37.479	%	
		Lab Fort Blank Range	6.519	units	
		Lab Fort Bl. Av. Rec	40.739	%	
		LFB Duplicate RPD	16.003	%	0-30
	Benzo(a)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.779	mg/kg dry wt	
		Lab Fort Blk. % Rec.	46.779	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.656	mg/kg dry wt	

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LFBLANK-91096					
	Benzo(a)anthracene	Dup Lab Fort Bl %Rec	39.380	%	
		Lab Fort Blank Range	7.399	units	
		Lab Fort Bl. Av. Rec	43.079	%	
		LFB Duplicate RPD	17.177	%	0-30
	Benzo(a)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.784	mg/kg dry wt	
		Lab Fort Blk. % Rec.	47.039	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.649	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	38.960	%	
		Lab Fort Blank Range	8.079	units	
		Lab Fort Bl. Av. Rec	43.000	%	
		LFB Duplicate RPD	18.790	%	0-30
	Benzo(b)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.800	mg/kg dry wt	
		Lab Fort Blk. % Rec.	47.999	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.652	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	39.159	%	
		Lab Fort Blank Range	8.839	units	
		Lab Fort Bl. Av. Rec	43.579	%	
		LFB Duplicate RPD	20.284	%	0-30
	Benzo(g,h,i)perylene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.601	mg/kg dry wt	
		Lab Fort Blk. % Rec.	36.059	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.522	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	31.339	%	
		Lab Fort Blank Range	4.720	units	
		Lab Fort Bl. Av. Rec	33.699	%	
		LFB Duplicate RPD	14.005	%	0-30
	Chrysene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.775	mg/kg dry wt	
		Lab Fort Blk. % Rec.	46.539	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.647	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	38.819	%	
		Lab Fort Blank Range	7.720	units	
		Lab Fort Bl. Av. Rec	42.679	%	
		LFB Duplicate RPD	18.088	%	0-30
	Dibenz(a,h)anthracene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.675	mg/kg dry wt	
		Lab Fort Blk. % Rec.	40.540	%	40-140

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: GCMS/SEMI-11874

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91096					
	Dibenz(a,h)anthracene	Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.604	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	36.279	%	
		Lab Fort Blank Range	4.260	units	
		Lab Fort Bl. Av. Rec	38.409	%	
		LFB Duplicate RPD	11.090	%	0-30
	Fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.539	mg/kg dry wt	
		Lab Fort Blk. % Rec.	32.380	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.492	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	29.519	%	
		Lab Fort Blank Range	2.860	units	
		Lab Fort Bl. Av. Rec	30.950	%	
		LFB Duplicate RPD	9.240	%	0-30
	Fluorene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.729	mg/kg dry wt	
		Lab Fort Blk. % Rec.	43.760	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.613	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	36.819	%	
		Lab Fort Blank Range	6.940	units	
		Lab Fort Bl. Av. Rec	40.290	%	
		LFB Duplicate RPD	17.225	%	0-30
	Indeno(1,2,3-cd)pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.687	mg/kg dry wt	
		Lab Fort Blk. % Rec.	41.219	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.633	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	37.999	%	
		Lab Fort Blank Range	3.220	units	
		Lab Fort Bl. Av. Rec	39.609	%	
		LFB Duplicate RPD	8.129	%	0-30
	2-Methylnaphthalene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.900	mg/kg dry wt	
		Lab Fort Blk. % Rec.	54.039	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.759	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	45.560	%	
		Lab Fort Blank Range	8.479	units	
		Lab Fort Bl. Av. Rec	49.799	%	
		LFB Duplicate RPD	17.028	%	0-30
	Phenanthrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	

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QC Batch Number: GCMS/SEMI-11874

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91096					
	Phenanthrene	Lab Fort Blk. Found	0.736	mg/kg dry wt	
		Lab Fort Blk. % Rec.	44.159	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.626	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	37.559	%	
		Lab Fort Blank Range	6.599	units	
		Lab Fort Bl. Av. Rec	40.859	%	
		LFB Duplicate RPD	16.152	%	0-30
	Pyrene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.748	mg/kg dry wt	
		Lab Fort Blk. % Rec.	44.919	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.613	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	36.799	%	
		Lab Fort Blank Range	8.120	units	
		Lab Fort Bl. Av. Rec	40.859	%	
		LFB Duplicate RPD	19.872	%	0-30
	Benzo(k)fluoranthene	Lab Fort Blank Amt.	1.666	mg/kg dry wt	
		Lab Fort Blk. Found	0.893	mg/kg dry wt	
		Lab Fort Blk. % Rec.	53.599	%	40-140
		Dup Lab Fort Bl Amt.	1.666	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	0.724	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	43.479	%	
		Lab Fort Blank Range	10.120	units	
		Lab Fort Bl. Av. Rec	48.539	%	
		LFB Duplicate RPD	20.848	%	0-30

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Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: HG-9822

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02321					
	Mercury	Sample Amount	<0.013	mg/kg dry wt	
		Matrix Spk Amt Added	0.337	mg/kg dry wt	
		MS Amt Measured	0.382	mg/kg dry wt	
		Matrix Spike % Rec.	113.450	%	75-125
		MSD Amount Added	0.301	mg/kg dry wt	
		MSD Amt Measured	0.340	mg/kg dry wt	
		MSD % Recovery	112.800	%	75-125
		MSD Range	0.650	units	
		MS Duplicate RPD	11.783	%	0-35
09B02327					
	Mercury	Sample Amount	0.131	mg/kg dry wt	
		Duplicate Value	0.752	mg/kg dry wt	
		Duplicate RPD	140.640	%	0-35
		Sample Amount	0.131	mg/kg dry wt	
		Matrix Spk Amt Added	0.205	mg/kg dry wt	
		MS Amt Measured	0.590	mg/kg dry wt	
		Matrix Spike % Rec.	223.240	%	75-125
		MSD Amount Added	0.245	mg/kg dry wt	
		MSD Amt Measured	0.458	mg/kg dry wt	
		MSD % Recovery	133.478	%	75-125
		MSD Range	89.761	units	
		MS Duplicate RPD	25.067	%	0-35
BLANK-128988					
	Mercury	Blank	<0.025	mg/kg dry wt	
LFBLANK-91061					
	Mercury	Lab Fort Blank Amt.	1.250	mg/kg dry wt	
		Lab Fort Blk. Found	1.163	mg/kg dry wt	
		Lab Fort Blk. % Rec.	93.068	%	65.9-133
		Dup Lab Fort Bl Amt.	1.250	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.289	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.154	%	65.9-133
		Lab Fort Blank Range	10.085	units	
		Lab Fort Bl. Av. Rec	98.111	%	
		LFB Duplicate RPD	10.279	%	

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Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: HG/TCLP-3438

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02340					
	Mercury	Sample Amount	<0.00010	mg/l leachate	
		Matrix Spk Amt Added	0.00200	mg/l leachate	
		MS Amt Measured	0.00170	mg/l leachate	
		Matrix Spike % Rec.	85.20000	%	75-125
		MSD Amount Added	0.00200	mg/l leachate	
		MSD Amt Measured	0.00170	mg/l leachate	
		MSD % Recovery	85.15000	%	
		MSD Range	0.04999	units	
		MS Duplicate RPD	0.05870	%	0-35
09B02346					
	Mercury	Sample Amount	<0.00010	mg/l leachate	
		Matrix Spk Amt Added	0.00200	mg/l leachate	
		MS Amt Measured	0.00170	mg/l leachate	
		Matrix Spike % Rec.	85.35000	%	75-125
		MSD Amount Added	0.00200	mg/l leachate	
		MSD Amt Measured	0.00173	mg/l leachate	
		MSD % Recovery	86.95000	%	
		MSD Range	1.59999	units	
		MS Duplicate RPD	1.85722	%	0-35
BLANK-129040					
	Mercury	Blank	<0.00010	mg/l leachate	
LFBLANK-91122					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l leachate	
		Lab Fort Blk. Found	0.00170	mg/l leachate	
		Lab Fort Blk. % Rec.	85.25000	%	80-120
		Dup Lab Fort Bl Amt.	0.00200	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.00173	mg/l leachate	
		Dup Lab Fort Bl %Rec	86.80000	%	
		Lab Fort Blank Range	1.54999	units	
		Lab Fort Bl. Av. Rec	86.02500	%	
		LFB Duplicate RPD	1.80180	%	

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Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: ICP-21066

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02321					
	Silver	Sample Amount	<0.55	mg/kg dry wt	
		Matrix Spk Amt Added	27.41	mg/kg dry wt	
		MS Amt Measured	22.95	mg/kg dry wt	
		Matrix Spike % Rec.	83.73	%	75-125
		MSD Amount Added	27.41	mg/kg dry wt	
		MSD Amt Measured	23.20	mg/kg dry wt	
		MSD % Recovery	84.63	%	75-125
		MSD Range	0.90	units	
		MS Duplicate RPD	1.06	%	0-35
	Arsenic	Sample Amount	3.42	mg/kg dry wt	
		Duplicate Value	3.26	mg/kg dry wt	
		Duplicate RPD	4.74	%	0-35
		Sample Amount	3.42	mg/kg dry wt	
		Matrix Spk Amt Added	27.41	mg/kg dry wt	
		MS Amt Measured	30.42	mg/kg dry wt	
		Matrix Spike % Rec.	98.52	%	75-125
		MSD Amount Added	27.41	mg/kg dry wt	
		MSD Amt Measured	29.83	mg/kg dry wt	
		MSD % Recovery	96.36	%	75-125
		MSD Range	2.16	units	
		MS Duplicate RPD	1.96	%	0-35
	Barium	Sample Amount	27.04	mg/kg dry wt	
		Duplicate Value	27.59	mg/kg dry wt	
		Duplicate RPD	2.01	%	0-35
		Sample Amount	27.04	mg/kg dry wt	
		Matrix Spk Amt Added	27.41	mg/kg dry wt	
		MS Amt Measured	55.64	mg/kg dry wt	
		Matrix Spike % Rec.	104.32	%	75-125
		MSD Amount Added	27.41	mg/kg dry wt	
		MSD Amt Measured	57.24	mg/kg dry wt	
		MSD % Recovery	110.16	%	75-125
		MSD Range	5.84	units	
		MS Duplicate RPD	2.83	%	0-35
	Beryllium	Sample Amount	<0.28	mg/kg dry wt	
		Matrix Spk Amt Added	27.41	mg/kg dry wt	
		MS Amt Measured	26.55	mg/kg dry wt	
		Matrix Spike % Rec.	96.86	%	75-125
		MSD Amount Added	27.41	mg/kg dry wt	
		MSD Amt Measured	26.86	mg/kg dry wt	
		MSD % Recovery	98.00	%	75-125
		MSD Range	1.13	units	
		MS Duplicate RPD	1.17	%	0-35
	Cadmium	Sample Amount	<0.28	mg/kg dry wt	

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QC SUMMARY REPORT

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Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: ICP-21066

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02321					
	Cadmium	Matrix Spk Amt Added	27.41	mg/kg dry wt	
		MS Amt Measured	25.73	mg/kg dry wt	
		Matrix Spike % Rec.	93.87	%	75-125
		MSD Amount Added	27.41	mg/kg dry wt	
		MSD Amt Measured	26.03	mg/kg dry wt	
		MSD % Recovery	94.96	%	75-125
		MSD Range	1.08	units	
		MS Duplicate RPD	1.14	%	0-35
	Chromium	Sample Amount	17.80	mg/kg dry wt	
		Duplicate Value	20.28	mg/kg dry wt	
		Duplicate RPD	13.04	%	0-35
		Sample Amount	17.80	mg/kg dry wt	
		Matrix Spk Amt Added	27.41	mg/kg dry wt	
		MS Amt Measured	46.19	mg/kg dry wt	
		Matrix Spike % Rec.	103.58	%	75-125
		MSD Amount Added	27.41	mg/kg dry wt	
		MSD Amt Measured	49.00	mg/kg dry wt	
		MSD % Recovery	113.82	%	75-125
		MSD Range	10.23	units	
		MS Duplicate RPD	5.89	%	0-35
	Nickel	Sample Amount	7.83	mg/kg dry wt	
		Duplicate Value	9.25	mg/kg dry wt	
		Duplicate RPD	16.61	%	0-35
		Sample Amount	7.83	mg/kg dry wt	
		Matrix Spk Amt Added	27.41	mg/kg dry wt	
		MS Amt Measured	33.74	mg/kg dry wt	
		Matrix Spike % Rec.	94.51	%	75-125
		MSD Amount Added	27.41	mg/kg dry wt	
		MSD Amt Measured	34.53	mg/kg dry wt	
		MSD % Recovery	97.41	%	75-125
		MSD Range	2.89	units	
		MS Duplicate RPD	2.32	%	0-35
	Lead	Sample Amount	4.02	mg/kg dry wt	
		Duplicate Value	3.71	mg/kg dry wt	
		Duplicate RPD	7.83	%	0-35
		Sample Amount	4.02	mg/kg dry wt	
		Matrix Spk Amt Added	27.41	mg/kg dry wt	
		MS Amt Measured	29.33	mg/kg dry wt	
		Matrix Spike % Rec.	92.35	%	75-125
		MSD Amount Added	27.41	mg/kg dry wt	
		MSD Amt Measured	29.61	mg/kg dry wt	
		MSD % Recovery	93.35	%	75-125
		MSD Range	0.99	units	

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QC Batch Number: ICP-21066

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02321					
	Lead	MS Duplicate RPD	0.93	%	0-35
	Antimony	Sample Amount	<4.39	mg/kg dry wt	
		Matrix Spk Amt Added	27.41	mg/kg dry wt	
		MS Amt Measured	8.67	mg/kg dry wt	
		Matrix Spike % Rec.	31.66	%	75-125
		MSD Amount Added	27.41	mg/kg dry wt	
		MSD Amt Measured	8.04	mg/kg dry wt	
		MSD % Recovery	29.34	%	75-125
		MSD Range	2.32	units	
		MS Duplicate RPD	7.60	%	0-35
	Selenium	Sample Amount	<5.49	mg/kg dry wt	
		Matrix Spk Amt Added	27.41	mg/kg dry wt	
		MS Amt Measured	25.14	mg/kg dry wt	
		Matrix Spike % Rec.	91.71	%	75-125
		MSD Amount Added	27.41	mg/kg dry wt	
		MSD Amt Measured	25.12	mg/kg dry wt	
		MSD % Recovery	91.66	%	75-125
		MSD Range	0.05	units	
		MS Duplicate RPD	0.06	%	0-35
	Thallium	Sample Amount	<3.29	mg/kg dry wt	
		Matrix Spk Amt Added	27.41	mg/kg dry wt	
		MS Amt Measured	29.36	mg/kg dry wt	
		Matrix Spike % Rec.	107.14	%	75-125
		MSD Amount Added	27.41	mg/kg dry wt	
		MSD Amt Measured	30.08	mg/kg dry wt	
		MSD % Recovery	109.76	%	75-125
		MSD Range	2.61	units	
		MS Duplicate RPD	2.41	%	0-35
	Vanadium	Sample Amount	19.51	mg/kg dry wt	
		Duplicate Value	19.98	mg/kg dry wt	
		Duplicate RPD	2.37	%	0-35
		Sample Amount	19.51	mg/kg dry wt	
		Matrix Spk Amt Added	27.41	mg/kg dry wt	
		MS Amt Measured	47.59	mg/kg dry wt	
		Matrix Spike % Rec.	102.42	%	75-125
		MSD Amount Added	27.41	mg/kg dry wt	
		MSD Amt Measured	50.07	mg/kg dry wt	
		MSD % Recovery	111.48	%	75-125
		MSD Range	9.05	units	
		MS Duplicate RPD	5.08	%	0-35
	Zinc	Sample Amount	29.20	mg/kg dry wt	
		Duplicate Value	31.35	mg/kg dry wt	
		Duplicate RPD	7.10	%	0-35

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QC Batch Number: ICP-21066

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02321					
	Zinc	Sample Amount	29.20	mg/kg dry wt	
		Matrix Spk Amt Added	27.41	mg/kg dry wt	
		MS Amt Measured	55.97	mg/kg dry wt	
		Matrix Spike % Rec.	97.65	%	75-125
		MSD Amount Added	27.41	mg/kg dry wt	
		MSD Amt Measured	58.71	mg/kg dry wt	
		MSD % Recovery	107.67	%	75-125
		MSD Range	10.02	units	
		MS Duplicate RPD	4.78	%	0-35
09B02327					
	Silver	Sample Amount	<0.59	mg/kg dry wt	
		Matrix Spk Amt Added	29.17	mg/kg dry wt	
		MS Amt Measured	25.75	mg/kg dry wt	
		Matrix Spike % Rec.	88.28	%	75-125
		MSD Amount Added	29.17	mg/kg dry wt	
		MSD Amt Measured	25.63	mg/kg dry wt	
		MSD % Recovery	87.87	%	75-125
		MSD Range	0.40	units	
		MS Duplicate RPD	0.45	%	0-35
	Arsenic	Sample Amount	31.71	mg/kg dry wt	
		Duplicate Value	30.70	mg/kg dry wt	
		Duplicate RPD	3.22	%	0-35
		Sample Amount	31.71	mg/kg dry wt	
		Matrix Spk Amt Added	29.17	mg/kg dry wt	
		MS Amt Measured	46.79	mg/kg dry wt	
		Matrix Spike % Rec.	51.70	%	75-125
		MSD Amount Added	29.17	mg/kg dry wt	
		MSD Amt Measured	48.94	mg/kg dry wt	
		MSD % Recovery	59.08	%	75-125
		MSD Range	7.38	units	
		MS Duplicate RPD	4.49	%	0-35
	Barium	Sample Amount	5094.34	mg/kg dry wt	
		Duplicate Value	2898.59	mg/kg dry wt	
		Duplicate RPD	54.94	%	0-35
		Sample Amount	5094.34	mg/kg dry wt	
		Matrix Spk Amt Added	29.17	mg/kg dry wt	
		MS Amt Measured	1672.98	mg/kg dry wt	
		Matrix Spike % Rec.	-11728.40	%	75-125
		MSD Amount Added	29.17	mg/kg dry wt	
		MSD Amt Measured	3745.56	mg/kg dry wt	
		MSD % Recovery	-4623.60	%	75-125
		MSD Range	7104.80	units	
		MS Duplicate RPD	76.49	%	0-35

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QC Batch Number: ICP-21066

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02327					
	Beryllium	Sample Amount	<0.30	mg/kg dry wt	
		Matrix Spk Amt Added	29.17	mg/kg dry wt	
		MS Amt Measured	28.37	mg/kg dry wt	
		Matrix Spike % Rec.	97.28	%	75-125
		MSD Amount Added	29.17	mg/kg dry wt	
		MSD Amt Measured	26.26	mg/kg dry wt	
		MSD % Recovery	90.01	%	75-125
		MSD Range	7.26	units	
		MS Duplicate RPD	7.75	%	0-35
	Cadmium	Sample Amount	5.24	mg/kg dry wt	
		Duplicate Value	2.50	mg/kg dry wt	
		Duplicate RPD	70.82	%	0-35
		Sample Amount	5.24	mg/kg dry wt	
		Matrix Spk Amt Added	29.17	mg/kg dry wt	
		MS Amt Measured	30.60	mg/kg dry wt	
		Matrix Spike % Rec.	86.91	%	75-125
		MSD Amount Added	29.17	mg/kg dry wt	
		MSD Amt Measured	28.11	mg/kg dry wt	
		MSD % Recovery	78.39	%	75-125
		MSD Range	8.51	units	
		MS Duplicate RPD	8.46	%	0-35
	Chromium	Sample Amount	24.68	mg/kg dry wt	
		Duplicate Value	22.70	mg/kg dry wt	
		Duplicate RPD	8.37	%	0-35
		Sample Amount	24.68	mg/kg dry wt	
		Matrix Spk Amt Added	29.17	mg/kg dry wt	
		MS Amt Measured	48.33	mg/kg dry wt	
		Matrix Spike % Rec.	81.06	%	75-125
		MSD Amount Added	29.17	mg/kg dry wt	
		MSD Amt Measured	48.01	mg/kg dry wt	
		MSD % Recovery	79.96	%	75-125
		MSD Range	1.10	units	
		MS Duplicate RPD	0.66	%	0-35
	Nickel	Sample Amount	13.96	mg/kg dry wt	
		Duplicate Value	14.73	mg/kg dry wt	
		Duplicate RPD	5.31	%	0-35
		Sample Amount	13.96	mg/kg dry wt	
		Matrix Spk Amt Added	29.17	mg/kg dry wt	
		MS Amt Measured	41.05	mg/kg dry wt	
		Matrix Spike % Rec.	92.85	%	75-125
		MSD Amount Added	29.17	mg/kg dry wt	
		MSD Amt Measured	38.93	mg/kg dry wt	
		MSD % Recovery	85.57	%	75-125

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: ICP-21066

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02327					
	Nickel	MSD Range	7.28	units	
		MS Duplicate RPD	5.30	%	0-35
	Lead	Sample Amount	1363.68	mg/kg dry wt	
		Duplicate Value	1334.48	mg/kg dry wt	
		Duplicate RPD	2.16	%	0-35
		Sample Amount	1363.68	mg/kg dry wt	
		Matrix Spk Amt Added	29.17	mg/kg dry wt	
		MS Amt Measured	1918.62	mg/kg dry wt	
		Matrix Spike % Rec.	1902.34	%	75-125
		MSD Amount Added	29.17	mg/kg dry wt	
		MSD Amt Measured	1112.58	mg/kg dry wt	
		MSD % Recovery	-860.75	%	75-125
		MSD Range	2763.09	units	
		MS Duplicate RPD	53.18	%	0-35
	Antimony	Sample Amount	<4.67	mg/kg dry wt	
		Matrix Spk Amt Added	29.17	mg/kg dry wt	
		MS Amt Measured	13.53	mg/kg dry wt	
		Matrix Spike % Rec.	46.40	%	75-125
		MSD Amount Added	29.17	mg/kg dry wt	
		MSD Amt Measured	10.81	mg/kg dry wt	
		MSD % Recovery	37.07	%	75-125
		MSD Range	9.32	units	
		MS Duplicate RPD	22.32	%	0-35
	Selenium	Sample Amount	<5.84	mg/kg dry wt	
		Matrix Spk Amt Added	29.17	mg/kg dry wt	
		MS Amt Measured	28.10	mg/kg dry wt	
		Matrix Spike % Rec.	96.35	%	75-125
		MSD Amount Added	29.17	mg/kg dry wt	
		MSD Amt Measured	26.73	mg/kg dry wt	
		MSD % Recovery	91.64	%	75-125
		MSD Range	4.71	units	
		MS Duplicate RPD	5.02	%	0-35
	Thallium	Sample Amount	<3.51	mg/kg dry wt	
		Matrix Spk Amt Added	29.17	mg/kg dry wt	
		MS Amt Measured	26.87	mg/kg dry wt	
		Matrix Spike % Rec.	92.14	%	75-125
		MSD Amount Added	29.17	mg/kg dry wt	
		MSD Amt Measured	22.66	mg/kg dry wt	
		MSD % Recovery	77.67	%	75-125
		MSD Range	14.46	units	
		MS Duplicate RPD	17.02	%	0-35
	Vanadium	Sample Amount	23.12	mg/kg dry wt	
		Duplicate Value	24.80	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: ICP-21066

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02327					
	Vanadium	Duplicate RPD	6.98	%	0-35
		Sample Amount	23.12	mg/kg dry wt	
		Matrix Spk Amt Added	29.17	mg/kg dry wt	
		MS Amt Measured	49.98	mg/kg dry wt	
		Matrix Spike % Rec.	92.05	%	75-125
		MSD Amount Added	29.17	mg/kg dry wt	
		MSD Amt Measured	52.11	mg/kg dry wt	
		MSD % Recovery	99.35	%	75-125
		MSD Range	7.30	units	
		MS Duplicate RPD	4.17	%	0-35
	Zinc	Sample Amount	14118.08	mg/kg dry wt	
		Duplicate Value	3683.25	mg/kg dry wt	
		Duplicate RPD	117.23	%	0-35
		Sample Amount	14118.08	mg/kg dry wt	
		Matrix Spk Amt Added	29.17	mg/kg dry wt	
		MS Amt Measured	6205.95	mg/kg dry wt	
		Matrix Spike % Rec.	-27122.79	%	75-125
		MSD Amount Added	29.17	mg/kg dry wt	
		MSD Amt Measured	2136.75	mg/kg dry wt	
		MSD % Recovery	-41072.00	%	75-125
		MSD Range	13949.20	units	
		MS Duplicate RPD	97.55	%	0-35
BLANK-128991					
	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Barium	Blank	<5.00	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Vanadium	Blank	<5.00	mg/kg dry wt	
	Zinc	Blank	1.80	mg/kg dry wt	
BLANK-129037					
	Barium	Blank		mg/kg dry wt	
	Zinc	Blank		mg/kg dry wt	
LFBLANK-91063					
	Silver	Lab Fort Blank Amt.	81.20	mg/kg dry wt	
		Lab Fort Blk. Found	61.70	mg/kg dry wt	
		Lab Fort Blk. % Rec.	75.98	%	66-133

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: ICP-21066

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91063					
	Silver	Dup Lab Fort Bl Amt.	81.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	79.11	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.42	%	66-133
		Lab Fort Blank Range	21.44	units	
		Lab Fort Bl. Av. Rec	86.70	%	
		LFB Duplicate RPD	24.72	%	0-30
	Arsenic	Lab Fort Blank Amt.	133.00	mg/kg dry wt	
		Lab Fort Blk. Found	147.01	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.53	%	80-120
		Dup Lab Fort Bl Amt.	133.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	171.79	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	129.16	%	80-120
		Lab Fort Blank Range	18.63	units	
		Lab Fort Bl. Av. Rec	119.84	%	
		LFB Duplicate RPD	15.54	%	0-30
	Barium	Lab Fort Blank Amt.	226.00	mg/kg dry wt	
		Lab Fort Blk. Found	243.25	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.63	%	81-119
		Dup Lab Fort Bl Amt.	226.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	280.94	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	124.30	%	81-119
		Lab Fort Blank Range	16.67	units	
		Lab Fort Bl. Av. Rec	115.97	%	
		LFB Duplicate RPD	14.38	%	0-30
	Beryllium	Lab Fort Blank Amt.	117.00	mg/kg dry wt	
		Lab Fort Blk. Found	126.27	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.92	%	84-116
		Dup Lab Fort Bl Amt.	117.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	120.14	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	102.68	%	84-116
		Lab Fort Blank Range	5.23	units	
		Lab Fort Bl. Av. Rec	105.30	%	
		LFB Duplicate RPD	4.97	%	0-30
	Cadmium	Lab Fort Blank Amt.	103.00	mg/kg dry wt	
		Lab Fort Blk. Found	112.62	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.33	%	83-117
		Dup Lab Fort Bl Amt.	103.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	126.83	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	123.13	%	83-117
		Lab Fort Blank Range	13.79	units	
		Lab Fort Bl. Av. Rec	116.23	%	
		LFB Duplicate RPD	11.86	%	0-30
	Chromium	Lab Fort Blank Amt.	219.00	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: ICP-21066

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91063					
	Chromium	Lab Fort Blk. Found	256.87	mg/kg dry wt	
		Lab Fort Blk. % Rec.	117.29	%	82-118
		Dup Lab Fort Bl Amt.	219.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	291.74	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	133.21	%	82-118
		Lab Fort Blank Range	15.92	units	
		Lab Fort Bl. Av. Rec	125.25	%	
		LFB Duplicate RPD	12.71	%	0-30
	Nickel	Lab Fort Blank Amt.	119.00	mg/kg dry wt	
		Lab Fort Blk. Found	131.25	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.29	%	80-120
		Dup Lab Fort Bl Amt.	119.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	149.74	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	125.83	%	80-120
		Lab Fort Blank Range	15.53	units	
		Lab Fort Bl. Av. Rec	118.06	%	
		LFB Duplicate RPD	13.16	%	0-30
	Lead	Lab Fort Blank Amt.	168.00	mg/kg dry wt	
		Lab Fort Blk. Found	169.72	mg/kg dry wt	
		Lab Fort Blk. % Rec.	101.02	%	82-118
		Dup Lab Fort Bl Amt.	168.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	206.97	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	123.19	%	82-118
		Lab Fort Blank Range	22.17	units	
		Lab Fort Bl. Av. Rec	112.11	%	
		LFB Duplicate RPD	19.77	%	0-30
	Antimony	Lab Fort Blank Amt.	79.20	mg/kg dry wt	
		Lab Fort Blk. Found	82.31	mg/kg dry wt	
		Lab Fort Blk. % Rec.	103.92	%	30-207
		Dup Lab Fort Bl Amt.	79.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	90.14	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	113.81	%	30-207
		Lab Fort Blank Range	9.88	units	
		Lab Fort Bl. Av. Rec	108.86	%	
		LFB Duplicate RPD	9.08	%	0-30
	Selenium	Lab Fort Blank Amt.	94.10	mg/kg dry wt	
		Lab Fort Blk. Found	104.66	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.22	%	77-123
		Dup Lab Fort Bl Amt.	94.10	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	122.37	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	130.04	%	77-123
		Lab Fort Blank Range	18.82	units	
		Lab Fort Bl. Av. Rec	120.63	%	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: ICP-21066

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91063					
	Selenium	LFB Duplicate RPD	15.60	%	0-30
	Thallium	Lab Fort Blank Amt.	152.00	mg/kg dry wt	
		Lab Fort Blk. Found	168.21	mg/kg dry wt	
		Lab Fort Blk. % Rec.	110.66	%	82-120
		Dup Lab Fort Bl Amt.	152.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	201.03	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	132.25	%	82-120
		Lab Fort Blank Range	21.59	units	
		Lab Fort Bl. Av. Rec	121.46	%	
		LFB Duplicate RPD	17.77	%	0-30
	Vanadium	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	136.94	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.34	%	80-120
		Dup Lab Fort Bl Amt.	123.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	158.38	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	128.77	%	80-120
		Lab Fort Blank Range	17.43	units	
		Lab Fort Bl. Av. Rec	120.05	%	
		LFB Duplicate RPD	14.51	%	0-30
	Zinc	Lab Fort Blank Amt.	280.00	mg/kg dry wt	
		Lab Fort Blk. Found	302.08	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.88	%	81-119
		Dup Lab Fort Bl Amt.	280.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	345.63	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	123.43	%	81-119
		Lab Fort Blank Range	15.55	units	
		Lab Fort Bl. Av. Rec	115.66	%	
		LFB Duplicate RPD	13.44	%	0-30

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: ICP/TCLP-4664

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02340					
	Silver	Sample Amount	<0.005	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.504	mg/l leachate	
		Matrix Spike % Rec.	100.940	%	
		MSD Amount Added	0.500	mg/l leachate	
		MSD Amt Measured	0.501	mg/l leachate	
		MSD % Recovery	100.280	%	
		MSD Range	0.659	units	
		MS Duplicate RPD	0.655	%	0-35
	Arsenic	Sample Amount	<0.010	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.666	mg/l leachate	
		Matrix Spike % Rec.	133.220	%	70-130
		MSD Amount Added	0.500	mg/l leachate	
		MSD Amt Measured	0.671	mg/l leachate	
		MSD % Recovery	134.280	%	
		MSD Range	1.060	units	
		MS Duplicate RPD	0.792	%	0-35
	Barium	Sample Amount	0.35	mg/l leachate	
		Duplicate Value	0.35	mg/l leachate	
		Duplicate RPD	0.49	%	0-35
		Sample Amount	0.35	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.90	mg/l leachate	
		Matrix Spike % Rec.	109.21	%	70-130
		MSD Amount Added	0.50	mg/l leachate	
		MSD Amt Measured	0.90	mg/l leachate	
		MSD % Recovery	110.09	%	
		MSD Range	0.88	units	
		MS Duplicate RPD	0.48	%	0-35
	Cadmium	Sample Amount	<0.005	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.589	mg/l leachate	
		Matrix Spike % Rec.	117.840	%	70-130
		MSD Amount Added	0.500	mg/l leachate	
		MSD Amt Measured	0.585	mg/l leachate	
		MSD % Recovery	117.080	%	
		MSD Range	0.760	units	
		MS Duplicate RPD	0.647	%	0-35
	Chromium	Sample Amount	0.01	mg/l leachate	
		Duplicate Value	0.01	mg/l leachate	
		Duplicate RPD	3.35	%	0-35
		Sample Amount	0.01	mg/l leachate	

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QC SUMMARY REPORT

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Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: ICP/TCLP-4664

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02340					
	Chromium	Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.56	mg/l leachate	
		Matrix Spike % Rec.	109.79	%	70-130
		MSD Amount Added	0.50	mg/l leachate	
		MSD Amt Measured	0.56	mg/l leachate	
		MSD % Recovery	109.29	%	
		MSD Range	0.49	units	
		MS Duplicate RPD	0.44	%	0-35
	Lead	Sample Amount	<0.015	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.543	mg/l leachate	
		Matrix Spike % Rec.	108.680	%	70-130
		MSD Amount Added	0.500	mg/l leachate	
		MSD Amt Measured	0.550	mg/l leachate	
		MSD % Recovery	110.020	%	
		MSD Range	1.340	units	
		MS Duplicate RPD	1.225	%	0-35
	Selenium	Sample Amount	<0.05	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.63	mg/l leachate	
		Matrix Spike % Rec.	127.84	%	70-130
		MSD Amount Added	0.50	mg/l leachate	
		MSD Amt Measured	0.63	mg/l leachate	
		MSD % Recovery	127.66	%	
		MSD Range	0.18	units	
		MS Duplicate RPD	0.14	%	0-35
09B02346					
	Silver	Sample Amount	<0.005	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.499	mg/l leachate	
		Matrix Spike % Rec.	99.980	%	
		MSD Amount Added	0.500	mg/l leachate	
		MSD Amt Measured	0.478	mg/l leachate	
		MSD % Recovery	95.780	%	
		MSD Range	4.199	units	
		MS Duplicate RPD	4.290	%	0-35
	Arsenic	Sample Amount	<0.010	mg/l leachate	
		Duplicate Value	0.011	mg/l leachate	
		Duplicate RPD	>13.9	%	0-35
		Sample Amount	<0.010	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.630	mg/l leachate	
		Matrix Spike % Rec.	126.180	%	70-130

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QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates
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Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: ICP/TCLP-4664

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02346					
	Arsenic	MSD Amount Added	0.500	mg/l leachate	
		MSD Amt Measured	0.626	mg/l leachate	
		MSD % Recovery	125.300	%	
		MSD Range	0.879	units	
		MS Duplicate RPD	0.699	%	0-35
	Barium	Sample Amount	2.14	mg/l leachate	
		Duplicate Value	2.23	mg/l leachate	
		Duplicate RPD	4.18	%	0-35
		Sample Amount	2.14	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	2.68	mg/l leachate	
		Matrix Spike % Rec.	108.79	%	70-130
		MSD Amount Added	0.50	mg/l leachate	
		MSD Amt Measured	2.62	mg/l leachate	
		MSD % Recovery	95.63	%	
		MSD Range	13.16	units	
		MS Duplicate RPD	2.47	%	0-35
	Cadmium	Sample Amount	0.044	mg/l leachate	
		Duplicate Value	0.047	mg/l leachate	
		Duplicate RPD	4.987	%	0-35
		Sample Amount	0.044	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.610	mg/l leachate	
		Matrix Spike % Rec.	113.139	%	70-130
		MSD Amount Added	0.500	mg/l leachate	
		MSD Amt Measured	0.599	mg/l leachate	
		MSD % Recovery	110.939	%	
		MSD Range	2.200	units	
		MS Duplicate RPD	1.817	%	0-35
	Chromium	Sample Amount	<0.01	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.54	mg/l leachate	
		Matrix Spike % Rec.	108.36	%	70-130
		MSD Amount Added	0.50	mg/l leachate	
		MSD Amt Measured	0.53	mg/l leachate	
		MSD % Recovery	106.36	%	
		MSD Range	2.00	units	
		MS Duplicate RPD	1.86	%	0-35
	Lead	Sample Amount	6.358	mg/l leachate	
		Duplicate Value	6.732	mg/l leachate	
		Duplicate RPD	5.719	%	0-35
		Sample Amount	6.358	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	

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QC SUMMARY REPORT

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Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: ICP/TCLP-4664

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02346					
	Lead	MS Amt Measured	6.946	mg/l leachate	
		Matrix Spike % Rec.	117.707	%	70-130
		MSD Amount Added	0.500	mg/l leachate	
		MSD Amt Measured	6.680	mg/l leachate	
		MSD % Recovery	64.347	%	
		MSD Range	53.360	units	
		MS Duplicate RPD	3.915	%	0-35
	Selenium	Sample Amount	<0.05	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.61	mg/l leachate	
		Matrix Spike % Rec.	123.76	%	70-130
		MSD Amount Added	0.50	mg/l leachate	
		MSD Amt Measured	0.61	mg/l leachate	
		MSD % Recovery	122.08	%	
		MSD Range	1.67	units	
		MS Duplicate RPD	1.36	%	0-35
BLANK-129019					
	Silver	Blank	<0.005	mg/l leachate	
	Arsenic	Blank	<0.010	mg/l leachate	
	Barium	Blank	<0.10	mg/l leachate	
	Cadmium	Blank	<0.005	mg/l leachate	
	Chromium	Blank	<0.01	mg/l leachate	
	Lead	Blank	<0.015	mg/l leachate	
	Selenium	Blank	<0.05	mg/l leachate	
LFBLANK-91101					
	Silver	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.485	mg/l leachate	
		Lab Fort Blk. % Rec.	97.000	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.462	mg/l leachate	
		Dup Lab Fort Bl %Rec	92.540	%	
		Lab Fort Blank Range	4.460	units	
		Lab Fort Bl. Av. Rec	94.770	%	
		LFB Duplicate RPD	4.706	%	
	Arsenic	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.649	mg/l leachate	
		Lab Fort Blk. % Rec.	129.800	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.617	mg/l leachate	
		Dup Lab Fort Bl %Rec	123.520	%	
		Lab Fort Blank Range	6.280	units	
		Lab Fort Bl. Av. Rec	126.660	%	
		LFB Duplicate RPD	4.958	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: ICP/TCLP-4664

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91101					
	Barium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.55	mg/l leachate	
		Lab Fort Blk. % Rec.	111.26	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.54	mg/l leachate	
		Dup Lab Fort Bl %Rec	108.38	%	
		Lab Fort Blank Range	2.88	units	
		Lab Fort Bl. Av. Rec	109.82	%	
		LFB Duplicate RPD	2.62	%	
	Cadmium	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.577	mg/l leachate	
		Lab Fort Blk. % Rec.	115.420	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.558	mg/l leachate	
		Dup Lab Fort Bl %Rec	111.620	%	
		Lab Fort Blank Range	3.799	units	
		Lab Fort Bl. Av. Rec	113.520	%	
		LFB Duplicate RPD	3.347	%	
	Chromium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.53	mg/l leachate	
		Lab Fort Blk. % Rec.	106.38	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.51	mg/l leachate	
		Dup Lab Fort Bl %Rec	103.94	%	
		Lab Fort Blank Range	2.44	units	
		Lab Fort Bl. Av. Rec	105.16	%	
		LFB Duplicate RPD	2.32	%	
	Lead	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.527	mg/l leachate	
		Lab Fort Blk. % Rec.	105.420	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.518	mg/l leachate	
		Dup Lab Fort Bl %Rec	103.680	%	
		Lab Fort Blank Range	1.740	units	
		Lab Fort Bl. Av. Rec	104.550	%	
		LFB Duplicate RPD	1.664	%	
	Selenium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.62	mg/l leachate	
		Lab Fort Blk. % Rec.	124.70	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.58	mg/l leachate	
		Dup Lab Fort Bl %Rec	117.38	%	
		Lab Fort Blank Range	7.32	units	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22895

QC Batch Number: ICP/TCLP-4664

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91101					
	Selenium	Lab Fort Bl. Av. Rec	121.04	%	
		LFB Duplicate RPD	6.04	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: L1WCT-22895
Project Location: City of New Bedford (KJH)	MADEP RTN[1]:

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

09B02316- 09B02353

Sample Matrices: ☐ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other: _____

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☒ Yes ☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☒ Yes ☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No[1]
D	***VPH and EPH Methods only***: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☐ Yes ☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☒ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☒ No[1]

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

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

Signature: [signature]	**Position: Assistant Laboratory Director**
Printed Name: Michael Erickson	**Date:** 2/3/09

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CHAIN OF CUSTODY RECORD

Limi-22895

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

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

Telephone: (978) 656-3565
Project # 115658
Client PO #

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 Unknown proposal date

State Form Required? ☒ yes ☐ no

Field ID	Sample Description	Lab # 09B	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP Metals +Hg	TCLP Metals	PAHs (8270C)							# of containers	**Preservation	~Cont.Code
									1	1	1							1	I	G
	TRC-47 (1)	02316/35	1/29/09	1000		G	S	L-H	X	X	X									
	TRC-47 (5)	02317/36		1005					X	X	X									
	TRC-47 (8)	02318/37		1010					X	X	X									
	TRC-47 (11) (HOLD)			1015					X	X	X						(HOLD)			
	TRC-49 (1)	02319/38		1030					X	X	X									
	TRC-49 (5)	02320/39		1035					X	X	X									
	TRC-49 (8) (MS/MSD/Dup)	02321/40		1040					X	X	X			(Triple Vol. for MS/MSD/Dup)						
	TRC-49 (11) (HOLD)		1/29/09	1045		G	S	L-H	X	X	X						(HOLD)			

ANALYSIS REQUESTED

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

Client Comments:
* Rush 24-hr turnaround on all samples (except metals)

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: 1/29/09 1625
Received by: (signature)	Date/Time: 1/29/09 1625
Relinquished by: (signature)	Date/Time: 1-29-09 1800
Received by: (signature)	Date/Time: 1/30/09 1100

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

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
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
X = Na hydroxide
H = HCL
T = Na thiosulfate
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
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.

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CHAIN OF CUSTODY RECORD

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

Limit-22895

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

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

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 Unknown proposal date

State Form Required?
☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 09B	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	Total MCP Metals + Hg	TCLP Metals	PAHs (8270C)	# of containers	**Preservation	~Cont.Code
	TRC-48D	02322/41	1/29/09	1050		G	S	L-H	X	X	X	1	I	G
	TRC-48(1)	02323/42		1055					X	X	X	1	I	G
	TRC-48(4)	02324/43		1100					X	X	X	1	I	G
	TRC-48(8)	02325/44		1105					X	X	X	1	I	G
	TRC-48(12) (HOLD)	~~02326~~		1110					X	X	X			(HOLD)
	TRC-50(1)	02326/45		1130					X	X				
	TRC-50(4) (MS/MSD/Dup.)	02327/46		1135					X	X			(Triple Volume for MS/Dupl.)	
	TRC-50(7)	02328/47	1/29/09	1140		G	S	L-H	X	X				

Client Comments:
* Rush 24-hr turnaround on all samples (except holds)

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

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

Relinquished by: (signature)	Date/Time: 1/29/09 1625
Received by: (signature)	Date/Time: 1/29/09 1625
Relinquished by: (signature)	Date/Time: 1-29-09 1900
Received by: (signature)	Date/Time: 1/29/09 1900

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

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
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
X = Na hydroxide
H = HCL
T = Na thiosulfate
M = Methanol
N = Nitric Acid
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B = Sodium bisulfate
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CHAIN OF CUSTODY RECORD

Lim1-22895

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

Company Name: TRC
Address: 650 Suffolk St. Lowell MA 01851
Attention: David Sullivan
Project Location: City of New Bedford
Sampled By: Jeff Saunders

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

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Email: dsullivan@trcsolutions.com
Format: ☒ EXCEL ☐ PDF ☒ GIS KEY
☐ OTHER

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

State Form Required? ☒ yes ☐ no

Field ID	Sample Description	Lab # 09B	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	Total MCP Metals (HG)	TCLP Metals	PAHs (8270) (X)								# of containers	**Preservation	~Cont.Code
									1	1	1								1	I	G
	TRC-50(10) (HOLD)		1/29/09	1145		G	S	L-H	X	X								(HOLD)			
	TRC-52 (1)	02329/48		1200					X	X											
	TRC-52 (4)	02330/49		1205					X	X											
	TRC-52 (7)	02331/50		1215					X	X											
	TRC-52 (11) (HOLD)			1220					X	X								(HOLD)			
	TRC-51 (1)	02332/51		1245					X	X											
	TRC-51 (4)	02333/52		1250					X	X											
	TRC-51 (7)	02334/53	1/29/09	1255		G	S	L-H	X	X											

ANALYSIS REQUESTED

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

Client Comments:
* Rush 24hr turnaround on all Samples (except holds)

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: 1/29/09 1625
Received by: (signature)	Date/Time: 1/29/09 1625
Relinquished by: (signature)	Date/Time: 1-29-09 1900
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☐ Other ____
RUSH *
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Data Enhancement Project/RCP? ☒ Y ☐ N
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B = Sodium bisulfate
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Attention: David Sullivan
Project Location: City of New Bedford (KJH)
Sampled By: Jeff Saunders

Telephone: (978) 656-3565
Project # 115055
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
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Format: ☒ EXCEL ☐ PDF ☒ GIS KEY
☐ OTHER

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

State Form Required? ☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP Metals w/Hg	TCLP Metals									# of containers	**Preservation	~Cont.Code
									1	1									1	I	G
	TRC-51(8) (HOLD)		1/29/09	1305		G	S	L-H	X	X								(HOLD)			
	TRC-53(1)			1320					X	X											
	TRC-53(4)			1325					X	X											
	TRC-53(6)			1330					X	X											
	TRC-53(11) (HOLD)			1335					X	X								(HOLD)			
	TRC-54D			1340					X	X											
	TRC-54(1)			1345					X	X											
	TRC-54(4)		1/29/09	1350		G	S	L-H	X	X											

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

Client Comments: * Rush 24 turnaround on all samples (except hold

Laboratory Comments:

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H - High; **M** - Medium; **L** - Low; **C** - Clean; **U** - Unknown

Relinquished by: (signature)	1/29/09	Date/Time: 1625
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Relinquished by: (signature)	1-29-09	Date/Time: 1900
Received by: (signature)	1/29/09	Date/Time: 1900

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

Detection Limit Requirements
Regulations? MCP 4-1/5.2/5-3
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's: See Sub 6

***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

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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

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

Telephone: (978) 656-3525
Project # 115055
Client PO #

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 Unknown 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	Total MCP Metals	TCLP Metals									# of containers	**Preservation	~Cont.Code
									1	1									1	I	G
	TRC-54 (7)		1/29/09	1355		G	S	L-H	X	X											
	TRC-54 (10) (HOLD)		↓	1400		↓	↓	↓	X	X								(HOLD)			
	TRC-55 (1)			1410					X	X											
	TRC-55 (3.5)			1415					X	X											
	TRC-55 (8)			1420					X	X											
	TRC-55 (10) (HOLD)		1/29/09	1425		G	S	L-H	X	X								(HOLD)			

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

Client Comments:
* Rush 24 hr turnaround on all samples (except holds)

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: 1/29/09 1625
Received by: (signature)	Date/Time: 1/29/09 1625
Relinquished by: (signature)	Date/Time: 1-29-09 1900
Received by: (signature)	Date/Time: 1/29/09 1900

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

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
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

** 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 ...

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

Sample Receipt Checklist

CLIENT NAME: TRC Low RECEIVED BY: CFC DATE: 1/29/09

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank 3.0°C Temperature °C by Temp gun _____

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

Who was notified _____ Date _____ Time _____

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

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	55
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

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

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REPORT DATE 2/3/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22896
JOB NUMBER: 115058

PROJECT LOCATION: CITY OF NEW BEDFORD (KJH)

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
TRC-53 (1)	09B02354	SOIL	Not Specified	6010 drywt mcp	
TRC-53 (1)	09B02354	SOIL	Not Specified	hg (mg/kg) dw	
TRC-53 (1)	09B02354	SOIL	Not Specified	solids (percent)	
TRC-53 (1)	09B02364	SOIL	Not Specified	tclp - metals	
TRC-53 (4)	09B02355	SOIL	Not Specified	6010 drywt mcp	
TRC-53 (4)	09B02355	SOIL	Not Specified	hg (mg/kg) dw	
TRC-53 (4)	09B02355	SOIL	Not Specified	solids (percent)	
TRC-53 (4)	09B02365	SOIL	Not Specified	tclp - metals	
TRC-53 (6)	09B02356	SOIL	Not Specified	6010 drywt mcp	
TRC-53 (6)	09B02356	SOIL	Not Specified	hg (mg/kg) dw	
TRC-53 (6)	09B02356	SOIL	Not Specified	solids (percent)	
TRC-53 (6)	09B02366	SOIL	Not Specified	tclp - metals	
TRC-54 (1)	09B02358	SOIL	Not Specified	6010 drywt mcp	
TRC-54 (1)	09B02358	SOIL	Not Specified	hg (mg/kg) dw	
TRC-54 (1)	09B02358	SOIL	Not Specified	solids (percent)	
TRC-54 (1)	09B02368	SOIL	Not Specified	tclp - metals	
TRC-54 (4)	09B02359	SOIL	Not Specified	6010 drywt mcp	
TRC-54 (4)	09B02359	SOIL	Not Specified	hg (mg/kg) dw	
TRC-54 (4)	09B02359	SOIL	Not Specified	solids (percent)	
TRC-54 (4)	09B02369	SOIL	Not Specified	tclp - metals	
TRC-54 (7)	09B02360	SOIL	Not Specified	6010 drywt mcp	
TRC-54 (7)	09B02360	SOIL	Not Specified	hg (mg/kg) dw	
TRC-54 (7)	09B02360	SOIL	Not Specified	solids (percent)	
TRC-54 (7)	09B02370	SOIL	Not Specified	tclp - metals	
TRC-54D	09B02357	SOIL	Not Specified	6010 drywt mcp	
TRC-54D	09B02357	SOIL	Not Specified	hg (mg/kg) dw	
TRC-54D	09B02357	SOIL	Not Specified	solids (percent)	
TRC-54D	09B02367	SOIL	Not Specified	tclp - metals	
TRC-55 (1)	09B02361	SOIL	Not Specified	6010 drywt mcp	
TRC-55 (1)	09B02361	SOIL	Not Specified	hg (mg/kg) dw	
TRC-55 (1)	09B02361	SOIL	Not Specified	solids (percent)	
TRC-55 (1)	09B02371	SOIL	Not Specified	tclp - metals	
TRC-55 (3.5)	09B02362	SOIL	Not Specified	6010 drywt mcp	
TRC-55 (3.5)	09B02362	SOIL	Not Specified	hg (mg/kg) dw	
TRC-55 (3.5)	09B02362	SOIL	Not Specified	solids (percent)	
TRC-55 (3.5)	09B02372	SOIL	Not Specified	tclp - metals	
TRC-55 (8)	09B02363	SOIL	Not Specified	6010 drywt mcp	
TRC-55 (8)	09B02363	SOIL	Not Specified	hg (mg/kg) dw	
TRC-55 (8)	09B02363	SOIL	Not Specified	solids (percent)	

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REPORT DATE 2/3/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22896
JOB NUMBER: 115058

TRC-55 (8)	09B02373	SOIL	Not Specified	tclp - metals

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REPORT DATE 2/3/2009

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CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22896
JOB NUMBER: 115058

Comments :

LIMS BATCH NO. : LIMT-22896

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 6010 SOIL, the low level calibration check is outside control limits for Zn. Reported results for this element at or near the detection limit may be bias on the high side. The ms recovery is outside control limits for Sb. Recovery >30%, no corrective action is needed. Possibility of sample matrix effects that may lead to a low bias for reported result cannot be eliminated. Analysis in control based on the LFB recovery.

In method 1311, for all samples, due to limited sample volume, the suggested 100 g could not be used, 50 g was extracted.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846-6010 - ADDITIONAL DETAILS

SOIL:
A duplicate and matrix spike were performed on soil sample 09B02355.
The sample duplicate results are not reported for Ag, Sb, Se, and Tl due to non detect sample and duplicate results.
The ms recoveries are outside control limits for Ba, Pb, and Zn. Sample to spike ratio >4:1, therefore a representative recovery may not be obtainable.
Method blank contamination noted above the reporting limit for Zn. Data is not affected since the sample results are >10x the level of contamination.

TCLP:
Matrix spike performed on TCLP sample 09B02373.
Only RCRA 8 metals were requested and reported.

METHOD SW846 7470/7471A - ADDITIONAL DETAILS

Sample duplicate and matrix spike were performed on SOIL sample 09B02355. Matrix spike performed on TCLP sample 09B02373.

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033 | AIHA ELLAP (LEAD) 100033 | NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100 | NEW HAMPSHIRE NELAP 2516 | NEW JERSEY NELAP NJ MA007 (AIR)

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REPORT DATE 2/3/2009

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ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
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ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22896
JOB NUMBER: 115058

CONNECTICUT PH-0567
NEW YORK ELAP/NELAP 10899
VERMONT DOH (LEAD) No. LL015036
RHODE ISLAND (LIC. No. 112)
FLORIDA DOH E871027 (AIR)

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 individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

2/3/09

SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-53 (1)

LIMS-BAT #: LIMT-22896
Job Number: 115058

Sample ID : 09B02354 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.43			
Arsenic	mg/kg dry wt	5.40	01/30/09	OP	3.40			
Barium	mg/kg dry wt	41.1	01/30/09	OP	6.79			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.34			
Cadmium	mg/kg dry wt	ND	01/30/09	OP	0.34			
Chromium	mg/kg dry wt	13.8	01/30/09	OP	0.68			
Lead	mg/kg dry wt	66.6	01/30/09	OP	1.02			
Nickel	mg/kg dry wt	6.59	01/30/09	OP	0.68			
Selenium	mg/kg dry wt	ND	01/30/09	OP	6.79			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.68			
Thallium	mg/kg dry wt	ND	01/30/09	OP	4.08			
Vanadium	mg/kg dry wt	25.2	01/30/09	OP	6.79			
Zinc	mg/kg dry wt	47.5	01/30/09	OP	1.36			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-53 (4)

LIMS-BAT #: LIMT-22896
Job Number: 115058

Sample ID : 09B02355 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	4.83			
Arsenic	mg/kg dry wt	9.99	01/30/09	OP	3.02			
Barium	mg/kg dry wt	606	01/30/09	OP	6.04			
Beryllium	mg/kg dry wt	0.79	01/30/09	OP	0.31			
Cadmium	mg/kg dry wt	2.01	01/30/09	OP	0.31			
Chromium	mg/kg dry wt	39.6	01/30/09	OP	0.61			
Lead	mg/kg dry wt	703	01/30/09	OP	0.91			
Nickel	mg/kg dry wt	12.6	01/30/09	OP	0.61			
Selenium	mg/kg dry wt	ND	01/30/09	OP	6.04			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.61			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.62			
Vanadium	mg/kg dry wt	23.4	01/30/09	OP	6.04			
Zinc	mg/kg dry wt	1240	01/30/09	OP	1.21			

Analytical Method:
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LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-53 (6)

LIMS-BAT #: LIMT-22896
Job Number: 115058

Sample ID : 09B02356 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	4.62			
Arsenic	mg/kg dry wt	3.25	01/30/09	OP	2.89			
Barium	mg/kg dry wt	18.0	01/30/09	OP	5.78			
Beryllium	mg/kg dry wt	0.49	01/30/09	OP	0.29			
Cadmium	mg/kg dry wt	ND	01/30/09	OP	0.29			
Chromium	mg/kg dry wt	8.24	01/30/09	OP	0.58			
Lead	mg/kg dry wt	4.56	01/30/09	OP	0.87			
Nickel	mg/kg dry wt	5.18	01/30/09	OP	0.58			
Selenium	mg/kg dry wt	ND	01/30/09	OP	5.78			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.58			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.47			
Vanadium	mg/kg dry wt	11.2	01/30/09	OP	5.78			
Zinc	mg/kg dry wt	20.2	01/30/09	OP	1.16			

Analytical Method:
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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-54 (1)

LIMS-BAT #: LIMT-22896
Job Number: 115058

Sample ID : 09B02358 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.02			
Arsenic	mg/kg dry wt	4.39	01/30/09	OP	3.14			
Barium	mg/kg dry wt	47.0	01/30/09	OP	6.27			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.32			
Cadmium	mg/kg dry wt	0.39	01/30/09	OP	0.32			
Chromium	mg/kg dry wt	25.6	01/30/09	OP	0.63			
Lead	mg/kg dry wt	116	01/30/09	OP	0.94			
Nickel	mg/kg dry wt	12.3	01/30/09	OP	0.63			
Selenium	mg/kg dry wt	ND	01/30/09	OP	6.27			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.63			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.76			
Vanadium	mg/kg dry wt	24.7	01/30/09	OP	6.27			
Zinc	mg/kg dry wt	96.8	01/30/09	OP	1.26			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-54 (4)

LIMS-BAT #: LIMT-22896
Job Number: 115058

Sample ID : 09B02359 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.54			
Arsenic	mg/kg dry wt	27.2	01/30/09	OP	3.46			
Barium	mg/kg dry wt	749	01/30/09	OP	6.92			
Beryllium	mg/kg dry wt	1.29	01/30/09	OP	0.35			
Cadmium	mg/kg dry wt	1.29	01/30/09	OP	0.35			
Chromium	mg/kg dry wt	23.6	01/30/09	OP	0.70			
Lead	mg/kg dry wt	1380	01/30/09	OP	1.04			
Nickel	mg/kg dry wt	44.3	01/30/09	OP	0.70			
Selenium	mg/kg dry wt	ND	01/30/09	OP	6.92			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.70			
Thallium	mg/kg dry wt	ND	01/30/09	OP	4.15			
Vanadium	mg/kg dry wt	48.9	01/30/09	OP	6.92			
Zinc	mg/kg dry wt	664	01/30/09	OP	1.39			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-54 (7)

LIMS-BAT #: LIMT-22896
Job Number: 115058

Sample ID : 09B02360 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	7.86			
Arsenic	mg/kg dry wt	ND	01/30/09	OP	4.92			
Barium	mg/kg dry wt	34.4	01/30/09	OP	9.83			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.50			
Cadmium	mg/kg dry wt	ND	01/30/09	OP	0.50			
Chromium	mg/kg dry wt	13.9	01/30/09	OP	0.99			
Lead	mg/kg dry wt	9.27	01/30/09	OP	1.48			
Nickel	mg/kg dry wt	9.44	01/30/09	OP	0.99			
Selenium	mg/kg dry wt	ND	01/30/09	OP	9.83			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.99			
Thallium	mg/kg dry wt	ND	01/30/09	OP	5.90			
Vanadium	mg/kg dry wt	13.4	01/30/09	OP	9.83			
Zinc	mg/kg dry wt	249	01/30/09	OP	1.97			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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con-test ANALYTICAL LABORATORY

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DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-54D

LIMS-BAT #: LIMT-22896
Job Number: 115058

Sample ID : 09B02357 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.32			
Arsenic	mg/kg dry wt	27.4	01/30/09	OP	3.33			
Barium	mg/kg dry wt	589	01/30/09	OP	6.65			
Beryllium	mg/kg dry wt	1.46	01/30/09	OP	0.34			
Cadmium	mg/kg dry wt	2.65	01/30/09	OP	0.34			
Chromium	mg/kg dry wt	27.8	01/30/09	OP	0.67			
Lead	mg/kg dry wt	989	01/30/09	OP	1.00			
Nickel	mg/kg dry wt	44.1	01/30/09	OP	0.67			
Selenium	mg/kg dry wt	ND	01/30/09	OP	6.65			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.67			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.99			
Vanadium	mg/kg dry wt	55.2	01/30/09	OP	6.65			
Zinc	mg/kg dry wt	1000	01/30/09	OP	1.33			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-55 (1)

LIMS-BAT #: LIMT-22896
Job Number: 115058

Sample ID : 09B02361 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.14			
Arsenic	mg/kg dry wt	5.68	01/30/09	OP	3.21			
Barium	mg/kg dry wt	36.6	01/30/09	OP	6.42			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.33			
Cadmium	mg/kg dry wt	ND	01/30/09	OP	0.33			
Chromium	mg/kg dry wt	14.2	01/30/09	OP	0.65			
Lead	mg/kg dry wt	74.5	01/30/09	OP	0.97			
Nickel	mg/kg dry wt	6.28	01/30/09	OP	0.65			
Selenium	mg/kg dry wt	ND	01/30/09	OP	6.42			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.65			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.86			
Vanadium	mg/kg dry wt	25.3	01/30/09	OP	6.42			
Zinc	mg/kg dry wt	50.9	01/30/09	OP	1.29			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-55 (3.5)

LIMS-BAT #: LIMT-22896
Job Number: 115058

Sample ID : 09B02362 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	5.55			
Arsenic	mg/kg dry wt	38.4	01/30/09	OP	3.47			
Barium	mg/kg dry wt	555	01/30/09	OP	6.94			
Beryllium	mg/kg dry wt	1.50	01/30/09	OP	0.35			
Cadmium	mg/kg dry wt	2.26	01/30/09	OP	0.35			
Chromium	mg/kg dry wt	32.2	01/30/09	OP	0.70			
Lead	mg/kg dry wt	3140	01/30/09	OP	1.05			
Nickel	mg/kg dry wt	32.4	01/30/09	OP	0.70			
Selenium	mg/kg dry wt	7.09	01/30/09	OP	6.94			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.70			
Thallium	mg/kg dry wt	ND	01/30/09	OP	4.17			
Vanadium	mg/kg dry wt	53.6	01/30/09	OP	6.94			
Zinc	mg/kg dry wt	915	01/30/09	OP	1.39			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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NM = Not Measured

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LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009
Field Sample # : TRC-55 (8)

LIMS-BAT #: LIMT-22896
Job Number: 115058

Sample ID : 09B02363 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/kg dry wt	ND	01/30/09	OP	4.94			
Arsenic	mg/kg dry wt	4.16	01/30/09	OP	3.09			
Barium	mg/kg dry wt	32.5	01/30/09	OP	6.17			
Beryllium	mg/kg dry wt	ND	01/30/09	OP	0.31			
Cadmium	mg/kg dry wt	ND	01/30/09	OP	0.31			
Chromium	mg/kg dry wt	11.8	01/30/09	OP	0.62			
Lead	mg/kg dry wt	7.61	01/30/09	OP	0.93			
Nickel	mg/kg dry wt	8.46	01/30/09	OP	0.62			
Selenium	mg/kg dry wt	ND	01/30/09	OP	6.17			
Silver	mg/kg dry wt	ND	01/30/09	OP	0.62			
Thallium	mg/kg dry wt	ND	01/30/09	OP	3.70			
Vanadium	mg/kg dry wt	16.4	01/30/09	OP	6.17			
Zinc	mg/kg dry wt	32.0	01/30/09	OP	1.24			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22896
Job Number: 115058

Field Sample # : TRC-53 (1)

Sample ID : 09B02354 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.089	01/30/09	KM	0.031			

Field Sample # : TRC-53 (4)

Sample ID : 09B02355 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.286	01/30/09	KM	0.013			

Field Sample # : TRC-53 (6)

Sample ID : 09B02356 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/30/09	KM	0.017			

Field Sample # : TRC-54 (1)

Sample ID : 09B02358 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.061	01/30/09	KM	0.017			

Field Sample # : TRC-54 (4)

Sample ID : 09B02359 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.198	01/30/09	KM	0.035			

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650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22896
Job Number: 115058

Field Sample # : TRC-54 (7)

Sample ID : 09B02360 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/30/09	KM	0.040			

Field Sample # : TRC-54D

Sample ID : 09B02357 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.237	01/30/09	KM	0.017			

Field Sample # : TRC-55 (1)

Sample ID : 09B02361 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.108	01/30/09	KM	0.024			

Field Sample # : TRC-55 (3.5)

Sample ID : 09B02362 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	0.387	01/30/09	KM	0.017			

Field Sample # : TRC-55 (8)

Sample ID : 09B02363 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/kg dry wt	ND	01/30/09	KM	0.020			

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LOWELL, MA 01852

2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22896
Job Number: 115058

Analytical Method:
SW846 3050/7471
SAMPLES ARE DIGESTED WITH ACIDS AND THEN ANALYZED BY
COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY

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Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22896
Job Number: 115058

Field Sample # : TRC-53 (1)

Sample ID : 09B02354 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	73.7	02/02/09	FD				

Field Sample # : TRC-53 (4)

Sample ID : 09B02355 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	82.9	02/02/09	FD				

Field Sample # : TRC-53 (6)

Sample ID : 09B02356 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	86.6	02/02/09	FD				

Field Sample # : TRC-54 (1)

Sample ID : 09B02358 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	79.8	02/02/09	FD				

Field Sample # : TRC-54 (4)

Sample ID : 09B02359 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	72.3	02/02/09	FD				

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Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22896
Job Number: 115058

Field Sample # : TRC-54 (7)

Sample ID : 09B02360 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	50.9	02/02/09	FD				

Field Sample # : TRC-54D

Sample ID : 09B02357 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	75.2	02/02/09	FD				

Field Sample # : TRC-55 (1)

Sample ID : 09B02361 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	77.9	02/02/09	FD				

Field Sample # : TRC-55 (3.5)

Sample ID : 09B02362 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	72.1	02/02/09	FD				

Field Sample # : TRC-55 (8)

Sample ID : 09B02363 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Solids, total	%	81.1	02/02/09	FD				

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22896
Job Number: 115058

Analytical Method:
SM 2540G
PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

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Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22896
Job Number: 115058

Field Sample # : TRC-53 (1)

Sample ID : 09B02364 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	KSH	0.010		5	P
Barium	mg/l leachate	0.27	02/02/09	KSH	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	KSH	0.01		5	P
Lead	mg/l leachate	0.073	02/02/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	KSH	0.005		5	P

Field Sample # : TRC-53 (4)

Sample ID : 09B02365 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	KSH	0.010		5	P
Barium	mg/l leachate	1.56	02/02/09	KSH	0.10		100	P
Cadmium	mg/l leachate	0.011	02/02/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	KSH	0.01		5	P
Lead	mg/l leachate	0.580	02/02/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	KSH	0.005		5	P

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LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22896
Job Number: 115058

Field Sample # : TRC-53 (6)

Sample ID : 09B02366 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	KSH	0.010		5	P
Barium	mg/l leachate	0.20	02/02/09	KSH	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	KSH	0.005		1	P
Chromium	mg/l leachate	0.02	02/02/09	KSH	0.01		5	P
Lead	mg/l leachate	0.032	02/02/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	KSH	0.005		5	P

Field Sample # : TRC-54 (1)

Sample ID : 09B02368 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	KSH	0.010		5	P
Barium	mg/l leachate	0.33	02/02/09	KSH	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	KSH	0.01		5	P
Lead	mg/l leachate	0.112	02/02/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	KSH	0.005		5	P

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con-test ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22896
Job Number: 115058

Field Sample # : TRC-54 (4)

Sample ID : 09B02369 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	KSH	0.010		5	P
Barium	mg/l leachate	0.97	02/02/09	KSH	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	KSH	0.01		5	P
Lead	mg/l leachate	0.657	02/02/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	KSH	0.005		5	P

Field Sample # : TRC-54 (7)

Sample ID : 09B02370 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	KSH	0.010		5	P
Barium	mg/l leachate	0.16	02/02/09	KSH	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	KSH	0.01		5	P
Lead	mg/l leachate	ND	02/02/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	KSH	0.005		5	P

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DAVID SULLIVAN
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650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22896
Job Number: 115058

Field Sample # : TRC-54D

Sample ID : 09B02367 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	KSH	0.010		5	P
Barium	mg/l leachate	0.96	02/02/09	KSH	0.10		100	P
Cadmium	mg/l leachate	0.007	02/02/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	KSH	0.01		5	P
Lead	mg/l leachate	0.703	02/02/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	KSH	0.005		5	P

Field Sample # : TRC-55 (1)

Sample ID : 09B02371 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	KSH	0.010		5	P
Barium	mg/l leachate	0.23	02/02/09	KSH	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	KSH	0.01		5	P
Lead	mg/l leachate	0.040	02/02/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	KSH	0.005		5	P

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650 SUFFOLK STREET
LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
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LIMS-BAT #: LIMT-22896
Job Number: 115058

Field Sample # : TRC-55 (3.5)

Sample ID : 09B02372 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	KSH	0.010		5	P
Barium	mg/l leachate	1.23	02/02/09	KSH	0.10		100	P
Cadmium	mg/l leachate	0.009	02/02/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	KSH	0.01		5	P
Lead	mg/l leachate	4.95	02/02/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	KSH	0.005		5	P

Field Sample # : TRC-55 (8)

Sample ID : 09B02373 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Arsenic	mg/l leachate	ND	02/02/09	KSH	0.010		5	P
Barium	mg/l leachate	0.28	02/02/09	KSH	0.10		100	P
Cadmium	mg/l leachate	ND	02/02/09	KSH	0.005		1	P
Chromium	mg/l leachate	ND	02/02/09	KSH	0.01		5	P
Lead	mg/l leachate	0.016	02/02/09	KSH	0.015		5	P
Mercury	mg/l leachate	ND	02/02/09	KM	0.00010		0.2	P
Selenium	mg/l leachate	ND	02/02/09	KSH	0.05		1	P
Silver	mg/l leachate	ND	02/02/09	KSH	0.005		5	P

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2/3/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD (KJH)
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22896
Job Number: 115058

Analytical Method:

SW846 1311/6010 1311/7470

SW846 1311 TCLP EXTRACTION. SAMPLES ARE EXTRACTED FOR 18-24 HOURS INTO A pH 5.0 BUFFER SOLUTION TO PRODUCE A LEACHATE. WATER SAMPLES ARE FILTERED, NOT EXTRACTED.

SW846 6010 ARSENIC, BARIUM, CADMIUM, CHROMIUM, LEAD, SELENIUM AND SILVER LEACHATES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY.

SW846 7470 MERCURY LEACHATE IS ANALYZED BY COLD VAPOR (FLAMELESS) ATOMIC ABSORPTION SPECTROPHOTOMETRY.

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LOWELL, MA 01852

Purchase Order No.:

2/3/2009

Project Location: CITY OF NEW BEDFORD (KJH)
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LIMS-BAT #: LIMT-22896
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** END OF REPORT **

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22896

QC Batch Number: HG-9823

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02355					
	Mercury	Sample Amount	0.286	mg/kg dry wt	
		Duplicate Value	0.223	mg/kg dry wt	
		Duplicate RPD	24.559	%	0-35
		Sample Amount	0.286	mg/kg dry wt	
		Matrix Spk Amt Added	0.237	mg/kg dry wt	
		MS Amt Measured	0.484	mg/kg dry wt	
		Matrix Spike % Rec.	83.571	%	75-125
BLANK-128998					
	Mercury	Blank	<0.025	mg/kg dry wt	
LFBLANK-91074					
	Mercury	Lab Fort Blank Amt.	1.250	mg/kg dry wt	
		Lab Fort Blk. Found	1.158	mg/kg dry wt	
		Lab Fort Blk. % Rec.	92.682	%	65.9-133
		Dup Lab Fort Bl Amt.	1.250	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	1.170	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	93.601	%	65.9-133
		Lab Fort Blank Range	0.919	units	
		Lab Fort Bl. Av. Rec	93.142	%	
		LFB Duplicate RPD	0.987	%	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22896

QC Batch Number: HG/TCLP-3439

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02373					
	Mercury	Sample Amount	<0.00010	mg/l leachate	
		Matrix Spk Amt Added	0.00200	mg/l leachate	
		MS Amt Measured	0.00179	mg/l leachate	
		Matrix Spike % Rec.	89.75000	%	75-125
BLANK-129041					
	Mercury	Blank	<0.00010	mg/l leachate	
LFBLANK-91123					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l leachate	
		Lab Fort Blk. Found	0.00180	mg/l leachate	
		Lab Fort Blk. % Rec.	90.45000	%	80-120
		Dup Lab Fort Bl Amt.	0.00200	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.00182	mg/l leachate	
		Dup Lab Fort Bl %Rec	91.00000	%	
		Lab Fort Blank Range	0.54999	units	
		Lab Fort Bl. Av. Rec	90.72500	%	
		LFB Duplicate RPD	0.60622	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22896

QC Batch Number: ICP-21065

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02355					
	Silver	Sample Amount	<0.61	mg/kg dry wt	
		Matrix Spk Amt Added	30.15	mg/kg dry wt	
		MS Amt Measured	27.89	mg/kg dry wt	
		Matrix Spike % Rec.	92.50	%	75-125
	Arsenic	Sample Amount	9.98	mg/kg dry wt	
		Duplicate Value	12.51	mg/kg dry wt	
		Duplicate RPD	22.44	%	0-35
		Sample Amount	9.98	mg/kg dry wt	
		Matrix Spk Amt Added	30.15	mg/kg dry wt	
		MS Amt Measured	40.62	mg/kg dry wt	
		Matrix Spike % Rec.	101.59	%	75-125
	Barium	Sample Amount	606.06	mg/kg dry wt	
		Duplicate Value	532.24	mg/kg dry wt	
		Duplicate RPD	12.96	%	0-35
		Sample Amount	606.06	mg/kg dry wt	
		Matrix Spk Amt Added	30.15	mg/kg dry wt	
		MS Amt Measured	518.58	mg/kg dry wt	
		Matrix Spike % Rec.	-290.05	%	75-125
	Beryllium	Sample Amount	0.79	mg/kg dry wt	
		Duplicate Value	0.79	mg/kg dry wt	
		Duplicate RPD	0.38	%	0-35
		Sample Amount	0.79	mg/kg dry wt	
		Matrix Spk Amt Added	30.15	mg/kg dry wt	
		MS Amt Measured	30.98	mg/kg dry wt	
		Matrix Spike % Rec.	100.11	%	75-125
	Cadmium	Sample Amount	2.01	mg/kg dry wt	
		Duplicate Value	2.31	mg/kg dry wt	
		Duplicate RPD	14.06	%	0-35
		Sample Amount	2.01	mg/kg dry wt	
		Matrix Spk Amt Added	30.15	mg/kg dry wt	
		MS Amt Measured	31.04	mg/kg dry wt	
		Matrix Spike % Rec.	96.28	%	75-125
	Chromium	Sample Amount	39.61	mg/kg dry wt	
		Duplicate Value	35.75	mg/kg dry wt	
		Duplicate RPD	10.23	%	0-35
		Sample Amount	39.61	mg/kg dry wt	
		Matrix Spk Amt Added	30.15	mg/kg dry wt	
		MS Amt Measured	69.73	mg/kg dry wt	
		Matrix Spike % Rec.	99.86	%	75-125
	Nickel	Sample Amount	12.60	mg/kg dry wt	
		Duplicate Value	12.35	mg/kg dry wt	
		Duplicate RPD	2.06	%	0-35
		Sample Amount	12.60	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22896

QC Batch Number: ICP-21065

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02355					
	Nickel	Matrix Spk Amt Added	30.15	mg/kg dry wt	
		MS Amt Measured	41.22	mg/kg dry wt	
		Matrix Spike % Rec.	94.88	%	75-125
	Lead	Sample Amount	702.52	mg/kg dry wt	
		Duplicate Value	666.24	mg/kg dry wt	
		Duplicate RPD	5.30	%	0-35
		Sample Amount	702.52	mg/kg dry wt	
		Matrix Spk Amt Added	30.15	mg/kg dry wt	
		MS Amt Measured	758.95	mg/kg dry wt	
		Matrix Spike % Rec.	187.09	%	75-125
	Antimony	Sample Amount	<4.83	mg/kg dry wt	
		Matrix Spk Amt Added	30.15	mg/kg dry wt	
		MS Amt Measured	16.15	mg/kg dry wt	
		Matrix Spike % Rec.	53.56	%	75-125
	Selenium	Sample Amount	<6.04	mg/kg dry wt	
		Matrix Spk Amt Added	30.15	mg/kg dry wt	
		MS Amt Measured	29.42	mg/kg dry wt	
		Matrix Spike % Rec.	97.55	%	75-125
	Thallium	Sample Amount	<3.62	mg/kg dry wt	
		Matrix Spk Amt Added	30.15	mg/kg dry wt	
		MS Amt Measured	29.17	mg/kg dry wt	
		Matrix Spike % Rec.	96.75	%	75-125
	Vanadium	Sample Amount	23.39	mg/kg dry wt	
		Duplicate Value	26.85	mg/kg dry wt	
		Duplicate RPD	13.77	%	0-35
		Sample Amount	23.39	mg/kg dry wt	
		Matrix Spk Amt Added	30.15	mg/kg dry wt	
		MS Amt Measured	56.96	mg/kg dry wt	
		Matrix Spike % Rec.	111.31	%	75-125
	Zinc	Sample Amount	1244.77	mg/kg dry wt	
		Duplicate Value	1369.65	mg/kg dry wt	
		Duplicate RPD	9.55	%	0-35
		Sample Amount	1244.77	mg/kg dry wt	
		Matrix Spk Amt Added	30.15	mg/kg dry wt	
		MS Amt Measured	996.13	mg/kg dry wt	
		Matrix Spike % Rec.	-824.48	%	75-125
BLANK-128982					
	Silver	Blank	<0.50	mg/kg dry wt	
	Arsenic	Blank	<2.50	mg/kg dry wt	
	Barium	Blank	<5.00	mg/kg dry wt	
	Beryllium	Blank	<0.25	mg/kg dry wt	
	Cadmium	Blank	<0.25	mg/kg dry wt	
	Chromium	Blank	<0.50	mg/kg dry wt	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22896

QC Batch Number: ICP-21065

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128982					
	Nickel	Blank	<0.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
	Antimony	Blank	<4.00	mg/kg dry wt	
	Selenium	Blank	<5.00	mg/kg dry wt	
	Thallium	Blank	<3.00	mg/kg dry wt	
	Vanadium	Blank	<5.00	mg/kg dry wt	
	Zinc	Blank	2.81	mg/kg dry wt	
LFBLANK-91057					
	Silver	Lab Fort Blank Amt.	81.20	mg/kg dry wt	
		Lab Fort Blk. Found	79.02	mg/kg dry wt	
		Lab Fort Blk. % Rec.	97.31	%	66-133
		Dup Lab Fort Bl Amt.	81.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	78.92	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	97.19	%	66-133
		Lab Fort Blank Range	0.12	units	
		Lab Fort Bl. Av. Rec	97.25	%	
		LFB Duplicate RPD	0.12	%	0-30
	Arsenic	Lab Fort Blank Amt.	133.00	mg/kg dry wt	
		Lab Fort Blk. Found	145.72	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.56	%	80-120
		Dup Lab Fort Bl Amt.	133.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	146.86	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	110.42	%	80-120
		Lab Fort Blank Range	0.85	units	
		Lab Fort Bl. Av. Rec	109.99	%	
		LFB Duplicate RPD	0.77	%	0-30
	Barium	Lab Fort Blank Amt.	226.00	mg/kg dry wt	
		Lab Fort Blk. Found	237.38	mg/kg dry wt	
		Lab Fort Blk. % Rec.	105.03	%	81-119
		Dup Lab Fort Bl Amt.	226.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	234.52	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.76	%	81-119
		Lab Fort Blank Range	1.26	units	
		Lab Fort Bl. Av. Rec	104.40	%	
		LFB Duplicate RPD	1.21	%	0-30
	Beryllium	Lab Fort Blank Amt.	117.00	mg/kg dry wt	
		Lab Fort Blk. Found	126.01	mg/kg dry wt	
		Lab Fort Blk. % Rec.	107.70	%	84-116
		Dup Lab Fort Bl Amt.	117.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	124.94	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	106.78	%	84-116
		Lab Fort Blank Range	0.91	units	
		Lab Fort Bl. Av. Rec	107.24	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22896

QC Batch Number: ICP-21065

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91057					
	Beryllium	LFB Duplicate RPD	0.85	%	0-30
	Cadmium	Lab Fort Blank Amt.	103.00	mg/kg dry wt	
		Lab Fort Blk. Found	110.14	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.93	%	83-117
		Dup Lab Fort Bl Amt.	103.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	111.08	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	107.84	%	83-117
		Lab Fort Blank Range	0.91	units	
		Lab Fort Bl. Av. Rec	107.38	%	
		LFB Duplicate RPD	0.84	%	0-30
	Chromium	Lab Fort Blank Amt.	219.00	mg/kg dry wt	
		Lab Fort Blk. Found	244.52	mg/kg dry wt	
		Lab Fort Blk. % Rec.	111.65	%	82-118
		Dup Lab Fort Bl Amt.	219.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	251.46	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	114.82	%	82-118
		Lab Fort Blank Range	3.16	units	
		Lab Fort Bl. Av. Rec	113.23	%	
		LFB Duplicate RPD	2.79	%	0-30
	Nickel	Lab Fort Blank Amt.	119.00	mg/kg dry wt	
		Lab Fort Blk. Found	126.64	mg/kg dry wt	
		Lab Fort Blk. % Rec.	106.42	%	80-120
		Dup Lab Fort Bl Amt.	119.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	128.58	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	108.05	%	80-120
		Lab Fort Blank Range	1.63	units	
		Lab Fort Bl. Av. Rec	107.23	%	
		LFB Duplicate RPD	1.52	%	0-30
	Lead	Lab Fort Blank Amt.	168.00	mg/kg dry wt	
		Lab Fort Blk. Found	166.95	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.37	%	82-118
		Dup Lab Fort Bl Amt.	168.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	170.27	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	101.35	%	82-118
		Lab Fort Blank Range	1.97	units	
		Lab Fort Bl. Av. Rec	100.36	%	
		LFB Duplicate RPD	1.96	%	0-30
	Antimony	Lab Fort Blank Amt.	79.20	mg/kg dry wt	
		Lab Fort Blk. Found	92.35	mg/kg dry wt	
		Lab Fort Blk. % Rec.	116.60	%	30-207
		Dup Lab Fort Bl Amt.	79.20	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	93.74	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	118.35	%	30-207

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22896

QC Batch Number: ICP-21065

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91057					
	Antimony	Lab Fort Blank Range	1.75	units	
		Lab Fort Bl. Av. Rec	117.48	%	
		LFB Duplicate RPD	1.49	%	0-30
	Selenium	Lab Fort Blank Amt.	94.10	mg/kg dry wt	
		Lab Fort Blk. Found	102.66	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.09	%	77-123
		Dup Lab Fort Bl Amt.	94.10	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	105.33	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.93	%	77-123
		Lab Fort Blank Range	2.83	units	
		Lab Fort Bl. Av. Rec	110.51	%	
		LFB Duplicate RPD	2.56	%	0-30
	Thallium	Lab Fort Blank Amt.	152.00	mg/kg dry wt	
		Lab Fort Blk. Found	165.13	mg/kg dry wt	
		Lab Fort Blk. % Rec.	108.63	%	82-120
		Dup Lab Fort Bl Amt.	152.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	168.90	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.11	%	82-120
		Lab Fort Blank Range	2.48	units	
		Lab Fort Bl. Av. Rec	109.87	%	
		LFB Duplicate RPD	2.25	%	0-30
	Vanadium	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	135.19	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.91	%	80-120
		Dup Lab Fort Bl Amt.	123.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	136.61	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.06	%	80-120
		Lab Fort Blank Range	1.14	units	
		Lab Fort Bl. Av. Rec	110.49	%	
		LFB Duplicate RPD	1.03	%	0-30
	Zinc	Lab Fort Blank Amt.	280.00	mg/kg dry wt	
		Lab Fort Blk. Found	305.69	mg/kg dry wt	
		Lab Fort Blk. % Rec.	109.17	%	81-119
		Dup Lab Fort Bl Amt.	280.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	290.79	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	103.85	%	81-119
		Lab Fort Blank Range	5.32	units	
		Lab Fort Bl. Av. Rec	106.51	%	
		LFB Duplicate RPD	4.99	%	0-30

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22896

QC Batch Number: ICP/TCLP-4665

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02373					
	Silver	Sample Amount	<0.005	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.460	mg/l leachate	
		Matrix Spike % Rec.	92.080	%	
	Arsenic	Sample Amount	<0.010	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.574	mg/l leachate	
		Matrix Spike % Rec.	114.820	%	70-130
	Barium	Sample Amount	0.27	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.76	mg/l leachate	
		Matrix Spike % Rec.	97.08	%	70-130
	Cadmium	Sample Amount	<0.005	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.479	mg/l leachate	
		Matrix Spike % Rec.	95.860	%	70-130
	Chromium	Sample Amount	<0.01	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.51	mg/l leachate	
		Matrix Spike % Rec.	102.48	%	70-130
	Lead	Sample Amount	0.015	mg/l leachate	
		Matrix Spk Amt Added	0.500	mg/l leachate	
		MS Amt Measured	0.467	mg/l leachate	
		Matrix Spike % Rec.	90.359	%	70-130
	Selenium	Sample Amount	<0.05	mg/l leachate	
		Matrix Spk Amt Added	0.50	mg/l leachate	
		MS Amt Measured	0.50	mg/l leachate	
		Matrix Spike % Rec.	101.88	%	70-130
BLANK-129020					
	Silver	Blank	<0.005	mg/l leachate	
	Arsenic	Blank	<0.010	mg/l leachate	
	Barium	Blank	<0.10	mg/l leachate	
	Cadmium	Blank	<0.005	mg/l leachate	
	Chromium	Blank	<0.01	mg/l leachate	
	Lead	Blank	<0.015	mg/l leachate	
	Selenium	Blank	<0.05	mg/l leachate	
LFBLANK-91102					
	Silver	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.420	mg/l leachate	
		Lab Fort Blk. % Rec.	84.100	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.412	mg/l leachate	
		Dup Lab Fort Bl %Rec	82.400	%	

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Sample Matrix Spikes and Matrix Spike Duplicates

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Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22896

QC Batch Number: ICP/TCLP-4665

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91102					
	Silver	Lab Fort Blank Range	1.699	units	
		Lab Fort Bl. Av. Rec	83.250	%	
		LFB Duplicate RPD	2.042	%	
	Arsenic	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.561	mg/l leachate	
		Lab Fort Blk. % Rec.	112.280	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.555	mg/l leachate	
		Dup Lab Fort Bl %Rec	111.020	%	
		Lab Fort Blank Range	1.259	units	
		Lab Fort Bl. Av. Rec	111.650	%	
		LFB Duplicate RPD	1.128	%	
	Barium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.48	mg/l leachate	
		Lab Fort Blk. % Rec.	97.54	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.51	mg/l leachate	
		Dup Lab Fort Bl %Rec	102.20	%	
		Lab Fort Blank Range	4.66	units	
		Lab Fort Bl. Av. Rec	99.87	%	
		LFB Duplicate RPD	4.66	%	
	Cadmium	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.464	mg/l leachate	
		Lab Fort Blk. % Rec.	92.960	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.487	mg/l leachate	
		Dup Lab Fort Bl %Rec	97.420	%	
		Lab Fort Blank Range	4.460	units	
		Lab Fort Bl. Av. Rec	95.190	%	
		LFB Duplicate RPD	4.685	%	
	Chromium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.48	mg/l leachate	
		Lab Fort Blk. % Rec.	96.16	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.50	mg/l leachate	
		Dup Lab Fort Bl %Rec	101.08	%	
		Lab Fort Blank Range	4.92	units	
		Lab Fort Bl. Av. Rec	98.62	%	
		LFB Duplicate RPD	4.98	%	
	Lead	Lab Fort Blank Amt.	0.500	mg/l leachate	
		Lab Fort Blk. Found	0.449	mg/l leachate	
		Lab Fort Blk. % Rec.	89.860	%	80-120
		Dup Lab Fort Bl Amt.	0.500	mg/l leachate	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 2/3/2009 Lims Bat # : LIMT-22896

QC Batch Number: ICP/TCLP-4665

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91102					
	Lead	Dup Lab Fort Bl. Fnd	0.456	mg/l leachate	
		Dup Lab Fort Bl %Rec	91.280	%	
		Lab Fort Blank Range	1.420	units	
		Lab Fort Bl. Av. Rec	90.570	%	
		LFB Duplicate RPD	1.567	%	
	Selenium	Lab Fort Blank Amt.	0.50	mg/l leachate	
		Lab Fort Blk. Found	0.53	mg/l leachate	
		Lab Fort Blk. % Rec.	106.00	%	80-120
		Dup Lab Fort Bl Amt.	0.50	mg/l leachate	
		Dup Lab Fort Bl. Fnd	0.51	mg/l leachate	
		Dup Lab Fort Bl %Rec	103.84	%	
		Lab Fort Blank Range	2.16	units	
		Lab Fort Bl. Av. Rec	104.92	%	
		LFB Duplicate RPD	2.05	%	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: LIMT - 22896
Project Location: City of New Bedford (KSH)	MADEP RTN[1]:

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

09B02354- 09B02373

Sample Matrices: ☐ Groundwater ☒ Soil/Sediment ☐ Drinking Water ☐ Other: _____

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☒ Yes ☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☒ Yes ☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No[1]
D	***VPH and EPH Methods only***: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☐ Yes ☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☒ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes ☒ No[1]

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

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

Signature: M Erick	**Position: Assistant Laboratory Director**
Printed Name: Michael Erickson	**Date:** 2/3/09

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CHAIN OF CUSTODY RECORD

LIMH-02898

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

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

Telephone: (978) 656-3565
Project # 115055
Client PO #

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 Unknown proposal date

State Form Required? ☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 098	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP Metals	TCLP Metals									# of containers	**Preservation	~Cont.Code
									1	1									1	I	G
	TRC-51(8) (HOLD)		1/29/09	1305		G	S	L-H	X	X								(HOLD)			
	TRC-53(1)	02354/64		1320					X	X											
	TRC-53(4)	02355/65		1325					X	X											
	TRC-53(6)	02356/66		1330					X	X											
	TRC-53(11) (HOLD)			1335					X	X								(HOLD)			
	TRC-54D	02357/67		1340					X	X											
	TRC-54(1)	02358/68		1345					X	X											
	TRC-54(4)	02359/69	1/29/09	1350		G	S	L-H	X	X											

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

Client Comments:
* Rush 24hr turnaround on all samples (except holds)

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: 1/29/09 1625
Received by: (signature)	Date/Time: 1/29/09 1625
Relinquished by: (signature)	Date/Time: 1-29-09 1900
Received by: (signature)	Date/Time: 1/29/09 1900

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

Detection Limit Requirements
Regulations? MCP 61/62/5-3
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
X = Na hydroxide
H = HCL
T = Na thiosulfate
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
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.

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CHAIN OF CUSTODY RECORD

Limit-22896

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

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

Telephone: (978) 656-3565
Project # 115056
Client PO #

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 Unknown proposal date

State Form Required? ☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 09B	Date Sampled Start Date/~~Time~~	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP Metals	TCLP Metals										# of containers	**Preservation	~Cont.Code
									1	1										1	I	G
	TRC-54 (7)	02360/70	1/29/09	1355		G	S	L-H	X	X												
	TRC-54 (10) (HOLD)			1400					X	X								(HOLD)				
	TRC-55 (1)	02361/71		1410					X	X												
	TRC-55 (3.5)	02362/72		1415					X	X												
	TRC-55 (8)	02363/73		1420					X	X												
	TRC-55 (10) (HOLD)		1/29/09	1425		G	S	L-H	X	X								(HOLD)				

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

Client Comments:
* Rush 24 hr turn around on all samples (except holds)

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: 1/29/09 1625
Received by: (signature)	Date/Time: 1/29/09 1625
Relinquished by: (signature)	Date/Time: 1-29-09 1900
Received by: (signature)	Date/Time: 1/29/09 1900

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

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
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
X = Na hydroxide
H = HCL
T = Na thiosulfate
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
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 Low RECEIVED BY: OFC DATE: 11/29/09

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank 3.0°C Temperature °C by Temp gun _____

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

Who was notified _____ Date _____ Time _____

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

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	55
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

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

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www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

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

Telephone: (978) 656-3565
Project # 115658
Client PO #

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 Unknown proposal date

State Form Required? ☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	Total MCP Metals +Hg	TCLP Metals	RAHs (8270C)	# of containers	**Preservation	~Cont.Code
									1	1	1			
									I	I	I			
									G	G	G			
	TRC-47 (1)		1/29/09	1000		G	S	L-H	X	X	X			
	TRC-47 (5)			1005					X	X	X			
	TRC-47 (8)			1010					X	X	X			
	TRC-47 (11) (HOLD)			1015					X	X	X			
	TRC-49 (1)			1030					X	X	X			
	TRC-49 (5)			1035					X	X	X			
	TRC-49 (8) (MS/MSD/Dup)			1040					X	X	X			
	TRC-49 (11) (HOLD)		1/29/09	1045		G	S	L-H	X	X	X			

(Triple Vol. for MS/MSD/Dup)
(HOLD)
(HOLD)

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

Client Comments:
* Rush 24-hr turnaround on all samples (except hold)

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: 1/29/09 1625
Received by: (signature)	Date/Time: 1-29-09 1625
Relinquished by: (signature)	Date/Time: 1-29-09 1900
Received by: (signature) 3.0°	Date/Time: 1/29/09 1900

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

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
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

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CHAIN OF CUSTODY RECORD

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

Company Name: TRC
Address: 650 Suffolk St.
Lowell MA 01854
Attention: Daniel Sullivan
Project Location: City of New Bedford (KOH)
Sampled By: Jeff Saunders

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

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 Unknown 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	Total MCP Metals + Hg	TCLP Metals	PAHs (8270C)								# of containers	**Preservation	~Cont.Code
									1	1	1								1	I	G
	TRC-48D		1/29/09	1050		G	S	L-H	X	X	X										
	TRC-48(1)			1055					X	X	X										
	TRC-48(4)			1100					X	X	X										
	TRC-48(8)			1105					X	X	X										
	TRC-48(12) (HOLD)			1110					X	X	X							(HOLD)			
	TRC-50(1)			1130					X	X											
	TRC-50(4) (MS/MSD/Dup.)			1135					X	X							(Triple Volume for MS/Dupl.)				
	TRC-50(7)		1/29/09	1140		G	S	L-H	X	X											

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

Client Comments:
* Rush 24-hr turnaround on all samples (except holds)

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: 1/29/09	1625
Received by: (signature)	Date/Time: 1/29/09	1615
Relinquished by: (signature)	Date/Time: 1-29-09	1900
Received by: (signature) 3.0c	Date/Time: 1/29/09	1900

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

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
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
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****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
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39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

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

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

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 Unknown 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	Total RCP Metals 4HS	TCLP Metals	4HS (Sector) (35)	# of containers	**Preservation	~Cont.Code	Client Comments
												1	I	G	
	TRC-50(10) (HOLD)		1/29/09	1145		G	S	L-H	X	X					(HOLD)
	TRC-52 (1)			1200					X	X					
	TRC-52 (4)			1205					X	X					
	TRC-52 (7)			1215					X	X					
	TRC-52 (11) (HOLD)			1220					X	X					(HOLD)
	TRC-51 (1)			1245					X	X					
	TRC-51 (4)			1250					X	X					
	TRC-51 (7)		1/29/09	1255		G	S	L-H	X	X					

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

Client Comments: * Rush 24hr turnaround on all samples (except bottles)

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: 1/29/09 1625
Received by: (signature)	Date/Time: 1/29/09 1625
Relinquished by: (signature)	Date/Time: 1-29-09 1900
Received by: (signature)	Date/Time:

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

Detection Limit Requirements
Regulations? MCP S-1/S-2/S-3
Data Enhancement Project/RCP? ☒ Y ☐ N
Special Requirements or DL's: See Quote

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ANALYTICAL LABORATORY

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

REPORT DATE 1/30/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22897
JOB NUMBER: 115058

PROJECT LOCATION: CITY OF NEW BEDFORD

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
TRC-01QC	09B02375	GRND WATER	Not Specified	6010 h2o mcp	
TRC-01QC	09B02375	GRND WATER	Not Specified	hg (mg/l) wet	
TRC-01QC	09B02378	GRND WATER	Not Specified	6010 diss mcp	
TRC-01QC	09B02378	GRND WATER	Not Specified	hg (mg/l dissol)	
TRC-02	09B02374	GRND WATER	Not Specified	6010 h2o mcp	
TRC-02	09B02374	GRND WATER	Not Specified	hg (mg/l) wet	
TRC-02	09B02377	GRND WATER	Not Specified	6010 diss mcp	
TRC-02	09B02377	GRND WATER	Not Specified	hg (mg/l dissol)	
TRC-12	09B02376	GRND WATER	Not Specified	6010 h2o mcp	
TRC-12	09B02376	GRND WATER	Not Specified	hg (mg/l) wet	
TRC-12	09B02379	GRND WATER	Not Specified	6010 diss mcp	
TRC-12	09B02379	GRND WATER	Not Specified	hg (mg/l dissol)	

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REPORT DATE 1/30/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22897
JOB NUMBER: 115058

Comments :

LIMS BATCH NO. : LIMT-22897

CASE NARRATIVE SUMMARY

Recommended sample holding times were not exceeded for all samples unless listed below:
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:
All properly preserved

In method 6010, the total and dissolved low level calibration check is outside control limits for Zn. Reported results for this element at or near the detection limit may be bias on the high side. Dissovled method blank contamination noted above the reporting limit for Zn. Reported results for this element may be bias on the high side. The dissolved matrix spike duplicate RPD is outside of control limits for Ag. Reduced precision is anticipated for reported result.

In method 6010, the total ms and msd recoveries are outside control limits for Ag. Possibility of sample matrix effects that may lead to a low bias for reported result cannot be eliminated. Recoveries are >30%, no corrective action is needed. Analysis in control based on the LFB recovery.

There are no other analytical issues which affect the usability of the data.

DETAILED CASE NARRATIVE

METHOD SW846-6010 - ADDITIONAL DETAILS

A duplicate, matrix spike and matrix spike duplicate were performed on dissolved sample 09B02378. The sample duplicate is not reported for all elements except Ba and Zn due to non detect sample and duplicate results.
Duplicate rpd out of control limits for Zn. RPD control limits do not apply for results <5x the reporting limit. Analysis in control.
Either matrix spike or matrix spike duplicate recovery for Ag is outside of control limits, but the other is within limits. Outlier should be viewed as a one-time anomaly.

A duplicate, matrix spike and matrix spike duplicate were performed on total sample 09B02375. The sample duplicate is not reported for all elements except Ba and Zn due to non detect sample and duplicate results.

METHOD SW846 7470/7471A - ADDITIONAL COMMENTS

Sample duplicate, matrix spike, and matrix spike duplicates were performed on TOTAL sample 09B02375 and DISSOLVED sample 09B02378. Sample duplicates were not reported for either sample due to non-detect sample and duplicate results.

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033 | AIHA ELLAP (LEAD) 100033 | NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100 | NEW HAMPSHIRE NELAP 2516 | NEW JERSEY NELAP NJ MA007 (AIR)

con-test®
ANALYTICAL LABORATORY

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

REPORT DATE 1/30/2009

TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852
ATTN: DAVID SULLIVAN

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMT-22897
JOB NUMBER: 115058

CONNECTICUT PH-0567
NEW YORK ELAP/NELAP 10899
VERMONT DOH (LEAD) No. LL015036
RHODE ISLAND (LIC. No. 112)
FLORIDA DOH E871027 (AIR)

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 individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 1/30/09

SIGNATURE DATE

Tod Kopyscinski
Air Laboratory Manager

Michael Erickson
Assistant Laboratory Director

Edward Denson
Technical Director

Daren Damboragian
Organics Department Supervisor

* See end of data tabulation for notes and comments pertaining to this sample

con-test® ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/30/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/29/2009
Field Sample # : TRC-01QC

LIMS-BAT #: LIMT-22897
Job Number: 115058

Sample ID : 09B02378

‡Sampled : 1/29/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/l	ND	01/30/09	OP	0.04			
Arsenic	mg/l	ND	01/30/09	OP	0.005			
Barium	mg/l	0.217	01/30/09	OP	0.0500			
Beryllium	mg/l	ND	01/30/09	OP	0.0020			
Cadmium	mg/l	ND	01/30/09	OP	0.0025			
Chromium	mg/l	ND	01/30/09	OP	0.005			
Lead	mg/l	ND	01/30/09	OP	0.0075			
Nickel	mg/l	ND	01/30/09	OP	0.005			
Selenium	mg/l	ND	01/30/09	OP	0.03			
Silver	mg/l	ND	01/30/09	OP	0.003			
Thallium	mg/l	ND	01/30/09	OP	0.03			
Vanadium	mg/l	ND	01/30/09	OP	0.025			
Zinc	mg/l	0.022	01/30/09	OP	0.010			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

con-test® ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/30/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/29/2009
Field Sample # : TRC-02

LIMS-BAT #: LIMT-22897
Job Number: 115058

Sample ID : 09B02377

‡Sampled : 1/29/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/l	ND	01/30/09	OP	0.04			
Arsenic	mg/l	ND	01/30/09	OP	0.005			
Barium	mg/l	0.176	01/30/09	OP	0.0500			
Beryllium	mg/l	ND	01/30/09	OP	0.0020			
Cadmium	mg/l	ND	01/30/09	OP	0.0025			
Chromium	mg/l	ND	01/30/09	OP	0.005			
Lead	mg/l	ND	01/30/09	OP	0.0075			
Nickel	mg/l	ND	01/30/09	OP	0.005			
Selenium	mg/l	ND	01/30/09	OP	0.03			
Silver	mg/l	ND	01/30/09	OP	0.003			
Thallium	mg/l	ND	01/30/09	OP	0.03			
Vanadium	mg/l	ND	01/30/09	OP	0.025			
Zinc	mg/l	0.174	01/30/09	OP	0.010			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/30/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/29/2009
Field Sample # : TRC-12

LIMS-BAT #: LIMT-22897
Job Number: 115058

Sample ID : 09B02379

‡Sampled : 1/29/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/l	ND	01/30/09	OP	0.04			
Arsenic	mg/l	0.007	01/30/09	OP	0.005			
Barium	mg/l	0.217	01/30/09	OP	0.0500			
Beryllium	mg/l	ND	01/30/09	OP	0.0020			
Cadmium	mg/l	ND	01/30/09	OP	0.0025			
Chromium	mg/l	ND	01/30/09	OP	0.005			
Lead	mg/l	ND	01/30/09	OP	0.0075			
Nickel	mg/l	ND	01/30/09	OP	0.005			
Selenium	mg/l	ND	01/30/09	OP	0.03			
Silver	mg/l	0.028	01/30/09	OP	0.003			
Thallium	mg/l	ND	01/30/09	OP	0.03			
Vanadium	mg/l	ND	01/30/09	OP	0.025			
Zinc	mg/l	0.020	01/30/09	OP	0.010			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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NM = Not Measured

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* = See end of report for comments and notes applying to this sample

‡ = See attached chain-of-custody record for time sampled

con-test® ANALYTICAL LABORATORY

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

DAVID SULLIVAN
TRC SOLUTIONS - LOWELL
650 SUFFOLK STREET
LOWELL, MA 01852

1/30/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/29/2009
Field Sample # : TRC-01QC

LIMS-BAT #: LIMT-22897
Job Number: 115058

Sample ID : 09B02375

‡Sampled : 1/29/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/l	ND	01/30/09	OP	0.04			
Arsenic	mg/l	ND	01/30/09	OP	0.005			
Barium	mg/l	0.219	01/30/09	OP	0.0500			
Beryllium	mg/l	ND	01/30/09	OP	0.0020			
Cadmium	mg/l	ND	01/30/09	OP	0.0025			
Chromium	mg/l	ND	01/30/09	OP	0.005			
Lead	mg/l	ND	01/30/09	OP	0.0075			
Nickel	mg/l	ND	01/30/09	OP	0.005			
Selenium	mg/l	ND	01/30/09	OP	0.03			
Silver	mg/l	ND	01/30/09	OP	0.003			
Thallium	mg/l	ND	01/30/09	OP	0.03			
Vanadium	mg/l	ND	01/30/09	OP	0.025			
Zinc	mg/l	0.018	01/30/09	OP	0.010			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

RL = Reporting Limit

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650 SUFFOLK STREET
LOWELL, MA 01852

1/30/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/29/2009
Field Sample # : TRC-02

LIMS-BAT #: LIMT-22897
Job Number: 115058

Sample ID : 09B02374 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/l	ND	01/30/09	OP	0.04			
Arsenic	mg/l	ND	01/30/09	OP	0.005			
Barium	mg/l	0.184	01/30/09	OP	0.0500			
Beryllium	mg/l	ND	01/30/09	OP	0.0020			
Cadmium	mg/l	ND	01/30/09	OP	0.0025			
Chromium	mg/l	ND	01/30/09	OP	0.005			
Lead	mg/l	ND	01/30/09	OP	0.0075			
Nickel	mg/l	ND	01/30/09	OP	0.005			
Selenium	mg/l	ND	01/30/09	OP	0.03			
Silver	mg/l	ND	01/30/09	OP	0.003			
Thallium	mg/l	ND	01/30/09	OP	0.03			
Vanadium	mg/l	ND	01/30/09	OP	0.025			
Zinc	mg/l	0.174	01/30/09	OP	0.010			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

1/30/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/29/2009
Field Sample # : TRC-12

LIMS-BAT #: LIMT-22897
Job Number: 115058

Sample ID : 09B02376

‡Sampled : 1/29/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Antimony	mg/l	ND	01/30/09	OP	0.04			
Arsenic	mg/l	0.007	01/30/09	OP	0.005			
Barium	mg/l	0.225	01/30/09	OP	0.0500			
Beryllium	mg/l	ND	01/30/09	OP	0.0020			
Cadmium	mg/l	ND	01/30/09	OP	0.0025			
Chromium	mg/l	ND	01/30/09	OP	0.005			
Lead	mg/l	ND	01/30/09	OP	0.0075			
Nickel	mg/l	ND	01/30/09	OP	0.005			
Selenium	mg/l	ND	01/30/09	OP	0.03			
Silver	mg/l	0.030	01/30/09	OP	0.003			
Thallium	mg/l	ND	01/30/09	OP	0.03			
Vanadium	mg/l	ND	01/30/09	OP	0.025			
Zinc	mg/l	0.038	01/30/09	OP	0.010			

Analytical Method:
SW846 6010
SAMPLES ARE DIGESTED WITH MINERAL ACIDS AND ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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LOWELL, MA 01852

1/30/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22897
Job Number: 115058

Field Sample # : TRC-01QC

Sample ID : 09B02378 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Dissolved Mercury	mg/l	ND	01/30/09	KM	0.00010			

Field Sample # : TRC-02

Sample ID : 09B02377 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Dissolved Mercury	mg/l	ND	01/30/09	KM	0.00010			

Field Sample # : TRC-12

Sample ID : 09B02379 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Dissolved Mercury	mg/l	ND	01/30/09	KM	0.00010			

Analytical Method: Dissolved Mercury
EPA 245.1/SW846 7470
COLD VAPOR TECHNIQUE (FLAMELESS ABSORPTION AT 254 NM)

RL = Reporting Limit

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650 SUFFOLK STREET
LOWELL, MA 01852

1/30/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22897
Job Number: 115058

Field Sample # : TRC-01QC

Sample ID : 09B02375 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/l	ND	01/30/09	KM	0.00010			

Field Sample # : TRC-02

Sample ID : 09B02374 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/l	ND	01/30/09	KM	0.00010			

Field Sample # : TRC-12

Sample ID : 09B02376 ‡Sampled : 1/29/2009
Not Specified

Sample Matrix: GRND WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Mercury	mg/l	ND	01/30/09	KM	0.00010			

Analytical Method:
EPA 245.1/SW846 7470
COLD VAPOR TECHNIQUE (FLAMELESS ABSORPTION AT 254 NM)

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NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

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‡ = See attached chain-of-custody record for time sampled

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LOWELL, MA 01852

1/30/2009

Purchase Order No.:

Project Location: CITY OF NEW BEDFORD
Date Received: 1/29/2009

LIMS-BAT #: LIMT-22897
Job Number: 115058

** END OF REPORT **

RL = Reporting Limit

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/30/2009 Lims Bat # : LIMT-22897

QC Batch Number: HG-9820

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02378					
	Dissolved Mercury	Sample Amount	<0.00010	mg/l	
		Matrix Spk Amt Added	0.00200	mg/l	
		MS Amt Measured	0.00203	mg/l	
		Matrix Spike % Rec.	101.55000	%	75-125
		MSD Amount Added	0.00200	mg/l	
		MSD Amt Measured	0.00203	mg/l	
		MSD % Recovery	101.95000	%	
		MSD Range	0.40000	units	
		MS Duplicate RPD	0.39312	%	0-20
BLANK-128984					
	Dissolved Mercury	Blank	<0.00010	mg/l	
LFBLANK-91059					
	Dissolved Mercury	Lab Fort Blank Amt.	0.00200	mg/l	
		Lab Fort Blk. Found	0.00207	mg/l	
		Lab Fort Blk. % Rec.	103.90000	%	85-115
		Dup Lab Fort Bl Amt.	0.00200	mg/l	
		Dup Lab Fort Bl. Fnd	0.00209	mg/l	
		Dup Lab Fort Bl %Rec	104.80000	%	
		Lab Fort Blank Range	0.89999	units	
		Lab Fort Bl. Av. Rec	104.35000	%	
		LFB Duplicate RPD	0.86248	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/30/2009 Lims Bat # : LIMT-22897

QC Batch Number: HG-9821

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02375					
	Mercury	Sample Amount	<0.00010	mg/l	
		Matrix Spk Amt Added	0.00200	mg/l	
		MS Amt Measured	0.00204	mg/l	
		Matrix Spike % Rec.	102.35000	%	75-125
		MSD Amount Added	0.00200	mg/l	
		MSD Amt Measured	0.00204	mg/l	
		MSD % Recovery	102.25000	%	
		MSD Range	0.09999	units	
		MS Duplicate RPD	0.09775	%	0-20
BLANK-128985					
	Mercury	Blank	<0.00010	mg/l	
LFBLANK-91060					
	Mercury	Lab Fort Blank Amt.	0.00200	mg/l	
		Lab Fort Blk. Found	0.00206	mg/l	
		Lab Fort Blk. % Rec.	103.25000	%	85-115
		Dup Lab Fort Bl Amt.	0.00200	mg/l	
		Dup Lab Fort Bl. Fnd	0.00211	mg/l	
		Dup Lab Fort Bl %Rec	105.85000	%	
		Lab Fort Blank Range	2.60000	units	
		Lab Fort Bl. Av. Rec	104.55000	%	
		LFB Duplicate RPD	2.48684	%	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/30/2009 Lims Bat # : LIMT-22897

QC Batch Number: ICP-21059

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02378					
	Silver	Sample Amount	<0.003	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.362	mg/l	
		Matrix Spike % Rec.	72.450	%	
		MSD Amount Added	0.500	mg/l	
		MSD Amt Measured	0.449	mg/l	
		MSD % Recovery	89.860	%	
		MSD Range	17.410	units	
		MS Duplicate RPD	21.452	%	0-20
	Arsenic	Sample Amount	<0.005	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.561	mg/l	
		Matrix Spike % Rec.	112.320	%	70-130
		MSD Amount Added	0.500	mg/l	
		MSD Amt Measured	0.533	mg/l	
		MSD % Recovery	106.670	%	
		MSD Range	5.650	units	
		MS Duplicate RPD	5.160	%	0-20
	Barium	Sample Amount	0.2167	mg/l	
		Duplicate Value	0.2102	mg/l	
		Duplicate RPD	3.0666	%	0-20
		Sample Amount	0.2167	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.7386	mg/l	
		Matrix Spike % Rec.	104.3704	%	70-130
		MSD Amount Added	0.5000	mg/l	
		MSD Amt Measured	0.7114	mg/l	
		MSD % Recovery	98.9204	%	
		MSD Range	5.4499	units	
		MS Duplicate RPD	3.7584	%	0-20
	Beryllium	Sample Amount	<0.0020	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.5088	mg/l	
		Matrix Spike % Rec.	101.7700	%	70-130
		MSD Amount Added	0.5000	mg/l	
		MSD Amt Measured	0.4791	mg/l	
		MSD % Recovery	95.8300	%	
		MSD Range	5.9400	units	
		MS Duplicate RPD	6.0121	%	0-20
	Cadmium	Sample Amount	<0.0025	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.5222	mg/l	
		Matrix Spike % Rec.	104.4400	%	70-130

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/30/2009 Lims Bat # : LIMT-22897

QC Batch Number: ICP-21059

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02378					
	Cadmium	MSD Amount Added	0.5000	mg/l	
		MSD Amt Measured	0.5012	mg/l	
		MSD % Recovery	100.2500	%	
		MSD Range	4.1900	units	
		MS Duplicate RPD	4.0939	%	0-20
	Chromium	Sample Amount	<0.005	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.521	mg/l	
		Matrix Spike % Rec.	104.270	%	70-130
		MSD Amount Added	0.500	mg/l	
		MSD Amt Measured	0.503	mg/l	
		MSD % Recovery	100.650	%	
		MSD Range	3.620	units	
		MS Duplicate RPD	3.533	%	0-20
	Nickel	Sample Amount	<0.005	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.493	mg/l	
		Matrix Spike % Rec.	98.720	%	70-130
		MSD Amount Added	0.500	mg/l	
		MSD Amt Measured	0.474	mg/l	
		MSD % Recovery	94.920	%	
		MSD Range	3.799	units	
		MS Duplicate RPD	3.924	%	0-20
	Lead	Sample Amount	<0.0075	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.4935	mg/l	
		Matrix Spike % Rec.	98.7099	%	70-130
		MSD Amount Added	0.5000	mg/l	
		MSD Amt Measured	0.4705	mg/l	
		MSD % Recovery	94.1000	%	
		MSD Range	4.6100	units	
		MS Duplicate RPD	4.7819	%	0-20
	Antimony	Sample Amount	<0.04	mg/l	
		Matrix Spk Amt Added	0.50	mg/l	
		MS Amt Measured	0.51	mg/l	
		Matrix Spike % Rec.	102.84	%	70-130
		MSD Amount Added	0.50	mg/l	
		MSD Amt Measured	0.49	mg/l	
		MSD % Recovery	98.49	%	
		MSD Range	4.34	units	
		MS Duplicate RPD	4.32	%	0-20
	Selenium	Sample Amount	<0.03	mg/l	
		Matrix Spk Amt Added	0.50	mg/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/30/2009 Lims Bat # : LIMT-22897

QC Batch Number: ICP-21059

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02378					
	Selenium	MS Amt Measured	0.53	mg/l	
		Matrix Spike % Rec.	106.54	%	70-130
		MSD Amount Added	0.50	mg/l	
		MSD Amt Measured	0.50	mg/l	
		MSD % Recovery	101.75	%	
		MSD Range	4.78	units	
		MS Duplicate RPD	4.59	%	0-20
	Thallium	Sample Amount	<0.03	mg/l	
		Matrix Spk Amt Added	0.50	mg/l	
		MS Amt Measured	0.48	mg/l	
		Matrix Spike % Rec.	97.81	%	70-130
		MSD Amount Added	0.50	mg/l	
		MSD Amt Measured	0.47	mg/l	
		MSD % Recovery	94.66	%	
		MSD Range	3.15	units	
		MS Duplicate RPD	3.27	%	0-20
	Vanadium	Sample Amount	<0.025	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.528	mg/l	
		Matrix Spike % Rec.	105.700	%	70-130
		MSD Amount Added	0.500	mg/l	
		MSD Amt Measured	0.509	mg/l	
		MSD % Recovery	101.880	%	
		MSD Range	3.820	units	
		MS Duplicate RPD	3.680	%	0-20
	Zinc	Sample Amount	0.021	mg/l	
		Duplicate Value	0.016	mg/l	
		Duplicate RPD	24.861	%	0-20
		Sample Amount	0.021	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.532	mg/l	
		Matrix Spike % Rec.	102.227	%	70-130
		MSD Amount Added	0.500	mg/l	
		MSD Amt Measured	0.508	mg/l	
		MSD % Recovery	97.267	%	
		MSD Range	4.959	units	
		MS Duplicate RPD	4.764	%	0-20
BLANK-128976					
	Silver	Blank	<0.003	mg/l	
	Arsenic	Blank	<0.005	mg/l	
	Barium	Blank	<0.0500	mg/l	
	Beryllium	Blank	<0.0020	mg/l	
	Cadmium	Blank	<0.0025	mg/l	

con-test ANALYTICAL LABORATORY

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/30/2009 Lims Bat # : LIMT-22897

QC Batch Number: ICP-21059

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128976					
	Chromium	Blank	<0.005	mg/l	
	Nickel	Blank	<0.005	mg/l	
	Lead	Blank	<0.0075	mg/l	
	Antimony	Blank	<0.04	mg/l	
	Selenium	Blank	<0.03	mg/l	
	Thallium	Blank	<0.03	mg/l	
	Vanadium	Blank	<0.025	mg/l	
	Zinc	Blank	0.011	mg/l	
LFBLANK-91048					
	Silver	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.483	mg/l	
		Lab Fort Blk. % Rec.	96.760	%	
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.468	mg/l	
		Dup Lab Fort Bl %Rec	93.770	%	85-115
		Lab Fort Blank Range	2.989	units	
		Lab Fort Bl. Av. Rec	95.265	%	
		LFB Duplicate RPD	3.138	%	0-20
	Arsenic	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.535	mg/l	
		Lab Fort Blk. % Rec.	107.180	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.512	mg/l	
		Dup Lab Fort Bl %Rec	102.540	%	85-115
		Lab Fort Blank Range	4.640	units	
		Lab Fort Bl. Av. Rec	104.860	%	
		LFB Duplicate RPD	4.424	%	0-20
	Barium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.5266	mg/l	
		Lab Fort Blk. % Rec.	105.3400	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.5107	mg/l	
		Dup Lab Fort Bl %Rec	102.1400	%	85-115
		Lab Fort Blank Range	3.2000	units	
		Lab Fort Bl. Av. Rec	103.7400	%	
		LFB Duplicate RPD	3.0846	%	0-20
	Beryllium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.5031	mg/l	
		Lab Fort Blk. % Rec.	100.6200	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.4851	mg/l	
		Dup Lab Fort Bl %Rec	97.0300	%	85-115
		Lab Fort Blank Range	3.5900	units	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/30/2009 Lims Bat # : LIMT-22897

QC Batch Number: ICP-21059

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91048					
	Beryllium	Lab Fort Bl. Av. Rec	98.8250	%	
		LFB Duplicate RPD	3.6326	%	0-20
	Cadmium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.5195	mg/l	
		Lab Fort Blk. % Rec.	103.9100	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.5034	mg/l	
		Dup Lab Fort Bl %Rec	100.6900	%	85-115
		Lab Fort Blank Range	3.2200	units	
		Lab Fort Bl. Av. Rec	102.3000	%	
		LFB Duplicate RPD	3.1476	%	0-20
	Chromium	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.517	mg/l	
		Lab Fort Blk. % Rec.	103.430	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.501	mg/l	
		Dup Lab Fort Bl %Rec	100.380	%	85-115
		Lab Fort Blank Range	3.050	units	
		Lab Fort Bl. Av. Rec	101.905	%	
		LFB Duplicate RPD	2.992	%	0-20
	Nickel	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.512	mg/l	
		Lab Fort Blk. % Rec.	102.510	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.497	mg/l	
		Dup Lab Fort Bl %Rec	99.500	%	85-115
		Lab Fort Blank Range	3.010	units	
		Lab Fort Bl. Av. Rec	101.005	%	
		LFB Duplicate RPD	2.980	%	0-20
	Lead	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.5123	mg/l	
		Lab Fort Blk. % Rec.	102.4700	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.4971	mg/l	
		Dup Lab Fort Bl %Rec	99.4300	%	85-115
		Lab Fort Blank Range	3.0400	units	
		Lab Fort Bl. Av. Rec	100.9500	%	
		LFB Duplicate RPD	3.0113	%	0-20
	Antimony	Lab Fort Blank Amt.	0.50	mg/l	
		Lab Fort Blk. Found	0.49	mg/l	
		Lab Fort Blk. % Rec.	99.43	%	85-115
		Dup Lab Fort Bl Amt.	0.50	mg/l	
		Dup Lab Fort Bl. Fnd	0.48	mg/l	

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 1/30/2009 Lims Bat # : LIMT-22897

QC Batch Number: ICP-21059

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91048					
	Antimony	Dup Lab Fort Bl %Rec	96.22	%	85-115
		Lab Fort Blank Range	3.21	units	
		Lab Fort Bl. Av. Rec	97.82	%	
		LFB Duplicate RPD	3.28	%	0-20
	Selenium	Lab Fort Blank Amt.	0.50	mg/l	
		Lab Fort Blk. Found	0.49	mg/l	
		Lab Fort Blk. % Rec.	99.63	%	85-115
		Dup Lab Fort Bl Amt.	0.50	mg/l	
		Dup Lab Fort Bl. Fnd	0.47	mg/l	
		Dup Lab Fort Bl %Rec	95.64	%	85-115
		Lab Fort Blank Range	3.98	units	
		Lab Fort Bl. Av. Rec	97.63	%	
		LFB Duplicate RPD	4.08	%	0-20
	Thallium	Lab Fort Blank Amt.	0.50	mg/l	
		Lab Fort Blk. Found	0.50	mg/l	
		Lab Fort Blk. % Rec.	100.77	%	85-115
		Dup Lab Fort Bl Amt.	0.50	mg/l	
		Dup Lab Fort Bl. Fnd	0.48	mg/l	
		Dup Lab Fort Bl %Rec	97.72	%	85-115
		Lab Fort Blank Range	3.05	units	
		Lab Fort Bl. Av. Rec	99.24	%	
		LFB Duplicate RPD	3.07	%	0-20
	Vanadium	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.519	mg/l	
		Lab Fort Blk. % Rec.	103.820	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.501	mg/l	
		Dup Lab Fort Bl %Rec	100.350	%	85-115
		Lab Fort Blank Range	3.470	units	
		Lab Fort Bl. Av. Rec	102.085	%	
		LFB Duplicate RPD	3.399	%	0-20
	Zinc	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.523	mg/l	
		Lab Fort Blk. % Rec.	104.630	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.506	mg/l	
		Dup Lab Fort Bl %Rec	101.350	%	85-115
		Lab Fort Blank Range	3.279	units	
		Lab Fort Bl. Av. Rec	102.990	%	
		LFB Duplicate RPD	3.184	%	0-20

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

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Report Date: 1/30/2009 Lims Bat # : LIMT-22897

QC Batch Number: ICP-21060

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02375					
	Silver	Sample Amount	<0.003	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.360	mg/l	
		Matrix Spike % Rec.	72.030	%	
		MSD Amount Added	0.500	mg/l	
		MSD Amt Measured	0.368	mg/l	
		MSD % Recovery	73.790	%	
		MSD Range	1.759	units	
		MS Duplicate RPD	2.413	%	0-20
	Arsenic	Sample Amount	<0.005	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.550	mg/l	
		Matrix Spike % Rec.	110.120	%	70-130
		MSD Amount Added	0.500	mg/l	
		MSD Amt Measured	0.555	mg/l	
		MSD % Recovery	111.110	%	
		MSD Range	0.990	units	
		MS Duplicate RPD	0.894	%	0-20
	Barium	Sample Amount	0.2185	mg/l	
		Duplicate Value	0.2090	mg/l	
		Duplicate RPD	4.4627	%	0-20
		Sample Amount	0.2185	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.7403	mg/l	
		Matrix Spike % Rec.	104.3515	%	70-130
		MSD Amount Added	0.5000	mg/l	
		MSD Amt Measured	0.7396	mg/l	
		MSD % Recovery	104.2115	%	
		MSD Range	0.1399	units	
		MS Duplicate RPD	0.0945	%	0-20
	Beryllium	Sample Amount	<0.0020	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.5032	mg/l	
		Matrix Spike % Rec.	100.6400	%	70-130
		MSD Amount Added	0.5000	mg/l	
		MSD Amt Measured	0.5114	mg/l	
		MSD % Recovery	102.2900	%	
		MSD Range	1.6500	units	
		MS Duplicate RPD	1.6261	%	0-20
	Cadmium	Sample Amount	<0.0025	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.5131	mg/l	
		Matrix Spike % Rec.	102.6300	%	70-130

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QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
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Method Blanks

Report Date: 1/30/2009 Lims Bat # : LIMT-22897

QC Batch Number: ICP-21060

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02375					
	Cadmium	MSD Amount Added	0.5000	mg/l	
		MSD Amt Measured	0.5117	mg/l	
		MSD % Recovery	102.3500	%	
		MSD Range	0.2800	units	
		MS Duplicate RPD	0.2731	%	0-20
	Chromium	Sample Amount	<0.005	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.522	mg/l	
		Matrix Spike % Rec.	104.590	%	70-130
		MSD Amount Added	0.500	mg/l	
		MSD Amt Measured	0.523	mg/l	
		MSD % Recovery	104.680	%	
		MSD Range	0.089	units	
		MS Duplicate RPD	0.086	%	0-20
	Nickel	Sample Amount	<0.005	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.491	mg/l	
		Matrix Spike % Rec.	98.280	%	70-130
		MSD Amount Added	0.500	mg/l	
		MSD Amt Measured	0.489	mg/l	
		MSD % Recovery	97.920	%	
		MSD Range	0.359	units	
		MS Duplicate RPD	0.366	%	0-20
	Lead	Sample Amount	<0.0075	mg/l	
		Matrix Spk Amt Added	0.5000	mg/l	
		MS Amt Measured	0.4855	mg/l	
		Matrix Spike % Rec.	97.1000	%	70-130
		MSD Amount Added	0.5000	mg/l	
		MSD Amt Measured	0.4878	mg/l	
		MSD % Recovery	97.5600	%	
		MSD Range	0.4600	units	
		MS Duplicate RPD	0.4726	%	0-20
	Antimony	Sample Amount	<0.04	mg/l	
		Matrix Spk Amt Added	0.50	mg/l	
		MS Amt Measured	0.50	mg/l	
		Matrix Spike % Rec.	100.49	%	70-130
		MSD Amount Added	0.50	mg/l	
		MSD Amt Measured	0.50	mg/l	
		MSD % Recovery	101.59	%	
		MSD Range	1.10	units	
		MS Duplicate RPD	1.08	%	0-20
	Selenium	Sample Amount	<0.03	mg/l	
		Matrix Spk Amt Added	0.50	mg/l	

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QC SUMMARY REPORT

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BATCH QC: Lab fortified Blanks and Duplicates
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Method Blanks

Report Date: 1/30/2009 Lims Bat # : LIMT-22897

QC Batch Number: ICP-21060

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B02375					
	Selenium	MS Amt Measured	0.52	mg/l	
		Matrix Spike % Rec.	104.25	%	70-130
		MSD Amount Added	0.50	mg/l	
		MSD Amt Measured	0.52	mg/l	
		MSD % Recovery	104.91	%	
		MSD Range	0.65	units	
		MS Duplicate RPD	0.63	%	0-20
	Thallium	Sample Amount	<0.03	mg/l	
		Matrix Spk Amt Added	0.50	mg/l	
		MS Amt Measured	0.48	mg/l	
		Matrix Spike % Rec.	96.77	%	70-130
		MSD Amount Added	0.50	mg/l	
		MSD Amt Measured	0.47	mg/l	
		MSD % Recovery	95.96	%	
		MSD Range	0.81	units	
		MS Duplicate RPD	0.84	%	0-20
	Vanadium	Sample Amount	<0.025	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.527	mg/l	
		Matrix Spike % Rec.	105.510	%	70-130
		MSD Amount Added	0.500	mg/l	
		MSD Amt Measured	0.527	mg/l	
		MSD % Recovery	105.520	%	
		MSD Range	0.010	units	
		MS Duplicate RPD	0.009	%	0-20
	Zinc	Sample Amount	0.018	mg/l	
		Duplicate Value	0.021	mg/l	
		Duplicate RPD	13.615	%	0-20
		Sample Amount	0.018	mg/l	
		Matrix Spk Amt Added	0.500	mg/l	
		MS Amt Measured	0.534	mg/l	
		Matrix Spike % Rec.	103.259	%	70-130
		MSD Amount Added	0.500	mg/l	
		MSD Amt Measured	0.528	mg/l	
		MSD % Recovery	101.909	%	
		MSD Range	1.350	units	
		MS Duplicate RPD	1.270	%	0-20
BLANK-128979					
	Silver	Blank	<0.003	mg/l	
	Arsenic	Blank	<0.005	mg/l	
	Barium	Blank	<0.0500	mg/l	
	Beryllium	Blank	<0.0020	mg/l	
	Cadmium	Blank	<0.0025	mg/l	

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QC SUMMARY REPORT

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Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
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Report Date: 1/30/2009 Lims Bat # : LIMT-22897

QC Batch Number: ICP-21060

Sample Id	Analysis	QC Analysis	Values	Units	Limits
BLANK-128979					
	Chromium	Blank	<0.005	mg/l	
	Nickel	Blank	<0.005	mg/l	
	Lead	Blank	<0.0075	mg/l	
	Antimony	Blank	<0.04	mg/l	
	Selenium	Blank	<0.03	mg/l	
	Thallium	Blank	<0.03	mg/l	
	Vanadium	Blank	<0.025	mg/l	
	Zinc	Blank	<0.010	mg/l	
LFBLANK-91051					
	Silver	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.454	mg/l	
		Lab Fort Blk. % Rec.	90.850	%	
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.476	mg/l	
		Dup Lab Fort Bl %Rec	95.360	%	85-115
		Lab Fort Blank Range	4.510	units	
		Lab Fort Bl. Av. Rec	93.105	%	
		LFB Duplicate RPD	4.843	%	0-20
	Arsenic	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.506	mg/l	
		Lab Fort Blk. % Rec.	101.300	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.532	mg/l	
		Dup Lab Fort Bl %Rec	106.510	%	85-115
		Lab Fort Blank Range	5.210	units	
		Lab Fort Bl. Av. Rec	103.905	%	
		LFB Duplicate RPD	5.014	%	0-20
	Barium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.4957	mg/l	
		Lab Fort Blk. % Rec.	99.1500	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.5197	mg/l	
		Dup Lab Fort Bl %Rec	103.9400	%	85-115
		Lab Fort Blank Range	4.7900	units	
		Lab Fort Bl. Av. Rec	101.5450	%	
		LFB Duplicate RPD	4.7171	%	0-20
	Beryllium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.4796	mg/l	
		Lab Fort Blk. % Rec.	95.9300	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.4990	mg/l	
		Dup Lab Fort Bl %Rec	99.8000	%	85-115
		Lab Fort Blank Range	3.8700	units	

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QC Batch Number: ICP-21060

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91051					
	Beryllium	Lab Fort Bl. Av. Rec	97.8650	%	
		LFB Duplicate RPD	3.9544	%	0-20
	Cadmium	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.4855	mg/l	
		Lab Fort Blk. % Rec.	97.1000	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.5081	mg/l	
		Dup Lab Fort Bl %Rec	101.6300	%	85-115
		Lab Fort Blank Range	4.5300	units	
		Lab Fort Bl. Av. Rec	99.3650	%	
		LFB Duplicate RPD	4.5589	%	0-20
	Chromium	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.489	mg/l	
		Lab Fort Blk. % Rec.	97.970	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.516	mg/l	
		Dup Lab Fort Bl %Rec	103.370	%	85-115
		Lab Fort Blank Range	5.400	units	
		Lab Fort Bl. Av. Rec	100.670	%	
		LFB Duplicate RPD	5.364	%	0-20
	Nickel	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.481	mg/l	
		Lab Fort Blk. % Rec.	96.230	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.504	mg/l	
		Dup Lab Fort Bl %Rec	100.860	%	85-115
		Lab Fort Blank Range	4.630	units	
		Lab Fort Bl. Av. Rec	98.545	%	
		LFB Duplicate RPD	4.698	%	0-20
	Lead	Lab Fort Blank Amt.	0.5000	mg/l	
		Lab Fort Blk. Found	0.4836	mg/l	
		Lab Fort Blk. % Rec.	96.7300	%	85-115
		Dup Lab Fort Bl Amt.	0.5000	mg/l	
		Dup Lab Fort Bl. Fnd	0.5062	mg/l	
		Dup Lab Fort Bl %Rec	101.2500	%	85-115
		Lab Fort Blank Range	4.5200	units	
		Lab Fort Bl. Av. Rec	98.9900	%	
		LFB Duplicate RPD	4.5661	%	0-20
	Antimony	Lab Fort Blank Amt.	0.50	mg/l	
		Lab Fort Blk. Found	0.47	mg/l	
		Lab Fort Blk. % Rec.	94.23	%	85-115
		Dup Lab Fort Bl Amt.	0.50	mg/l	
		Dup Lab Fort Bl. Fnd	0.49	mg/l	

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Report Date: 1/30/2009 Lims Bat # : LIMT-22897

QC Batch Number: ICP-21060

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-91051					
	Antimony	Dup Lab Fort Bl %Rec	98.80	%	85-115
		Lab Fort Blank Range	4.57	units	
		Lab Fort Bl. Av. Rec	96.51	%	
		LFB Duplicate RPD	4.73	%	0-20
	Selenium	Lab Fort Blank Amt.	0.50	mg/l	
		Lab Fort Blk. Found	0.47	mg/l	
		Lab Fort Blk. % Rec.	94.81	%	85-115
		Dup Lab Fort Bl Amt.	0.50	mg/l	
		Dup Lab Fort Bl. Fnd	0.49	mg/l	
		Dup Lab Fort Bl %Rec	98.45	%	85-115
		Lab Fort Blank Range	3.64	units	
		Lab Fort Bl. Av. Rec	96.63	%	
		LFB Duplicate RPD	3.76	%	0-20
	Thallium	Lab Fort Blank Amt.	0.50	mg/l	
		Lab Fort Blk. Found	0.46	mg/l	
		Lab Fort Blk. % Rec.	93.85	%	85-115
		Dup Lab Fort Bl Amt.	0.50	mg/l	
		Dup Lab Fort Bl. Fnd	0.49	mg/l	
		Dup Lab Fort Bl %Rec	98.51	%	85-115
		Lab Fort Blank Range	4.66	units	
		Lab Fort Bl. Av. Rec	96.18	%	
		LFB Duplicate RPD	4.84	%	0-20
	Vanadium	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.486	mg/l	
		Lab Fort Blk. % Rec.	97.380	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.512	mg/l	
		Dup Lab Fort Bl %Rec	102.430	%	85-115
		Lab Fort Blank Range	5.049	units	
		Lab Fort Bl. Av. Rec	99.905	%	
		LFB Duplicate RPD	5.054	%	0-20
	Zinc	Lab Fort Blank Amt.	0.500	mg/l	
		Lab Fort Blk. Found	0.487	mg/l	
		Lab Fort Blk. % Rec.	97.550	%	85-115
		Dup Lab Fort Bl Amt.	0.500	mg/l	
		Dup Lab Fort Bl. Fnd	0.511	mg/l	
		Dup Lab Fort Bl %Rec	102.200	%	85-115
		Lab Fort Blank Range	4.650	units	
		Lab Fort Bl. Av. Rec	99.875	%	
		LFB Duplicate RPD	4.655	%	0-20

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QC SUMMARY REPORT

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Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: LIMT-22897
Project Location: CITY OF NEW BEDFORD	MADEP RTN[1]:

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

09B02374-09B02379

Sample Matrices: ☒ Groundwater ☐ Soil/Sediment ☐ Drinking Water ☐ Other: _____

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M [2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☒ Yes ☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☒ Yes ☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No[1]
D	***VPH and EPH Methods only***: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☐ Yes ☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes ☒ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☒ Yes ☐ No[1]

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

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

Signature: Edward Denson	**Position: Technical Director**
Printed Name: Edward Denson	**Date:** 1/30/09

con-test® ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

Limf-22897

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

Company Name: TRC
Address: 650 Suffolk Street
Lowell MA 01854
Attention: David Sullivan
Project Location: Heidi Rizza
Sampled By: City of New Bedford (KJH)

Telephone: (978) 656-5565
Project # 115058
Client PO #

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 Unknown proposal date

State Form Required? ☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 09B	Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	SVOCs (Dibenzofuran)	Dissolved SVOCs (Dibenzofuran)*	Total MCP Metals + Hg (6010B)	Dissolved MCP Metals + Hg (6010B)*									# of containers	**Preservation	~Cont.Code
									1	1	1	1									1	1	1
									I	I	N	N									I	I	N
									A	A	P	P									A	A	P
	TRC-2	02374/77	1/29/09	1020		G	GW	U	X	X	X	X											
	TRC-1	02375/78	↓	1245		↓	↓	↓	3	1	3	1											
	TRC-12	02376/79	↓	1300		↓	↓	↓	1	1	1	1											

(Triple volume for MS/MSD)

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

Client Comments:
* Field Filtered
** 24 hr turnaround on metals samples, standard (5-day) on Dibenzofuran samples (SVOCs)

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: 1/29/09 1625
Received by: (signature)	Date/Time: 1/29/09 1625
Relinquished by: (signature)	Date/Time: 1-29-09 1900
Received by: (signature)	Date/Time: 1/29/09 1900

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 GW-2/GW-3
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

** 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 [illegible]

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: CEC DATE: 1/28/09

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank 3-0° Temperature °C by Temp gun _____

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

Who was notified _____ Date _____ Time _____

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

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber	8	8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic	8	Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments: pH < 2

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

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

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R0419-08

Prepared for:

Attn: Al Hanscom
BETA Group, Inc.
315 Norwood Park South
Norwood, MA 02062

Report Date: April 27, 2006

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

Total # of Pages: 52

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 2685
Project Location: Keith Junior High School	RTN[1]:

This form provides certifications for the following data set: R0419-08

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 (X)	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes ( ) No[1] (X)
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes ( ) No[1] (X)

[1]All NO answers 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: Richard Warila Position: Laboratory Director

Printed Name: Richard Warila Date: 4/28/2006

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2685

Project Location: Keith Junior High School RTN[1]:

This form provides certifications for the following data set: R0419-08

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes ( ) No[1] ( ) Not Applicable (X)
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers 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: Jodi Lyons Position: Director, Inorganics

Printed Name: Jodi Lyons Date: 04/26/2006

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on April 19, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R0419-08.

Custody records are included in this report.

Site: Keith Junior High School

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
Keith S-1 (1.5-4.75')	4/18/06	Soil	Table II
Keith S-2 (0.5-1.25)	4/18/06	Soil	Table II
Keith S-5 (1.5-2)	4/18/06	Soil	Table II
Keith S-6 (0-6")	4/18/06	Soil	Table II
Keith S-7 (0-6")	4/18/06	Soil	Table II
Keith S-8 (0-6")	4/18/06	Soil	Table II
Keith S-9 (0-6")	4/18/06	Soil	Table II
Keith S-9 (1.5-1.75)	4/18/06	Soil	Table II
Keith S-10 (0-6")	4/18/06	Soil	Table II
Keith S-11 (0-6")	4/18/06	Soil	Table II
Keith S-12 (0-6")	4/18/06	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082
Polynuclear Aromatic Hydrocarbons	3541	8270B
Total Metals		
Arsenic	3050B	6010B
Barium	3050B	6010B
Cadmium	3050B	6010B
Chromium	3050B	6010B
Lead	3050B	6010B
Mercury	NA	7471A
Selenium	3050B	6010B
Silver	3050B	6010B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately preserved upon receipt. The samples were received on ice at 10 Deg. C.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

Semivolatile Organics:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample 'Keith S-9 (1.5-1.75)' was analyzed for method 8270C at an initial 5X dilution, and sample 'Keith S-12 (0-6")' was analyzed at an initial 20X dilution. Due to their viscosities, these sample extracts could not be concentrated to the nominal final volume of 1mL. As a result of this, the surrogate Nitrobenzene-d5 was diluted out in sample "Keith S-9 (1.5-1.75)".

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample Results

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number:	R0419-08
Sample ID:	Keith S-1 (1.5-4.75')
Date collected:	4/18/06
Matrix	SOIL
Solids, %	86.8
Sample Type:	Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	8.45	0.75	0.75	mg/kg	4/24/06	4/26/06
Barium	7440-39-3	3050B	6010B	358	0.37	0.37	mg/kg	4/24/06	4/26/06
Cadmium	7440-43-9	3050B	6010B	9.13	0.37	0.37	mg/kg	4/24/06	4/26/06
Chromium	7440-47-3	3050B	6010B	17	0.37	0.37	mg/kg	4/24/06	4/26/06
Lead	7439-92-1	3050B	6010B	384	0.37	0.37	mg/kg	4/24/06	4/26/06
Mercury	7439-97-6	NA	7471A	0.109	0.074	0.074	mg/kg	4/25/06	4/26/06
Selenium	7782-49-2	3050B	6010B	2.92	0.75	0.75	mg/kg	4/24/06	4/26/06
Silver	7440-22-4	3050B	6010B	ND	0.37	0.37	mg/kg	4/24/06	4/26/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0419-08
Sample ID:	Keith S-2 (0.5-1.25)
Date collected:	4/18/06
Matrix	SOIL
Solids, %	86.98
Sample Type:	Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	4.30	0.74	0.74	mg/kg	4/24/06	4/26/06
Barium	7440-39-3	3050B	6010B	262	0.37	0.37	mg/kg	4/24/06	4/26/06
Cadmium	7440-43-9	3050B	6010B	1.56	0.37	0.37	mg/kg	4/24/06	4/26/06
Chromium	7440-47-3	3050B	6010B	18	0.37	0.37	mg/kg	4/24/06	4/26/06
Lead	7439-92-1	3050B	6010B	437	0.37	0.37	mg/kg	4/24/06	4/26/06
Mercury	7439-97-6	NA	7471A	0.278	0.075	0.075	mg/kg	4/25/06	4/26/06
Selenium	7782-49-2	3050B	6010B	ND	0.74	0.74	mg/kg	4/24/06	4/26/06
Silver	7440-22-4	3050B	6010B	ND	0.37	0.37	mg/kg	4/24/06	4/26/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0419-08
Sample ID:	Keith S-5 (1.5-2)
Date collected:	4/18/06
Matrix	SOIL
Solids, %	83.57
Sample Type:	Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	21	0.77	0.77	mg/kg	4/24/06	4/26/06
Barium	7440-39-3	3050B	6010B	112	0.38	0.38	mg/kg	4/24/06	4/26/06
Cadmium	7440-43-9	3050B	6010B	1.84	0.38	0.38	mg/kg	4/24/06	4/26/06
Chromium	7440-47-3	3050B	6010B	15	0.38	0.38	mg/kg	4/24/06	4/26/06
Lead	7439-92-1	3050B	6010B	109	0.38	0.38	mg/kg	4/24/06	4/26/06
Mercury	7439-97-6	NA	7471A	ND	0.076	0.076	mg/kg	4/25/06	4/26/06
Selenium	7782-49-2	3050B	6010B	1.23	0.77	0.77	mg/kg	4/24/06	4/26/06
Silver	7440-22-4	3050B	6010B	0.38	0.38	0.38	mg/kg	4/24/06	4/26/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0419-08
Sample ID:	Keith S-6 (0-6")
Date collected:	4/18/06
Matrix	SOIL
Solids, %	83.51
Sample Type:	Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	1.82	0.76	0.76	mg/kg	4/24/06	4/26/06
Barium	7440-39-3	3050B	6010B	70	0.38	0.38	mg/kg	4/24/06	4/26/06
Cadmium	7440-43-9	3050B	6010B	0.99	0.38	0.38	mg/kg	4/24/06	4/26/06
Chromium	7440-47-3	3050B	6010B	12	0.38	0.38	mg/kg	4/24/06	4/26/06
Lead	7439-92-1	3050B	6010B	117	0.38	0.38	mg/kg	4/24/06	4/26/06
Mercury	7439-97-6	NA	7471A	0.124	0.077	0.077	mg/kg	4/25/06	4/26/06
Selenium	7782-49-2	3050B	6010B	1.36	0.76	0.76	mg/kg	4/24/06	4/26/06
Silver	7440-22-4	3050B	6010B	ND	0.38	0.38	mg/kg	4/24/06	4/26/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0419-08
Sample ID:	Keith S-7 (0-6")
Date collected:	4/18/06
Matrix	SOIL
Solids, %	84.84
Sample Type:	Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	3.59	0.78	0.78	mg/kg	4/24/06	4/26/06
Barium	7440-39-3	3050B	6010B	20	0.39	0.39	mg/kg	4/24/06	4/26/06
Cadmium	7440-43-9	3050B	6010B	0.55	0.39	0.39	mg/kg	4/24/06	4/26/06
Chromium	7440-47-3	3050B	6010B	9.37	0.39	0.39	mg/kg	4/24/06	4/26/06
Lead	7439-92-1	3050B	6010B	81	0.39	0.39	mg/kg	4/24/06	4/26/06
Mercury	7439-97-6	NA	7471A	0.084	0.077	0.077	mg/kg	4/25/06	4/26/06
Selenium	7782-49-2	3050B	6010B	1.25	0.78	0.78	mg/kg	4/24/06	4/26/06
Silver	7440-22-4	3050B	6010B	ND	0.39	0.39	mg/kg	4/24/06	4/26/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0419-08
Sample ID:	Keith S-8 (0-6")
Date collected:	4/18/06
Matrix	SOIL
Solids, %	81.6
Sample Type:	Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	2.24	0.80	0.80	mg/kg	4/24/06	4/26/06
Barium	7440-39-3	3050B	6010B	31	0.40	0.40	mg/kg	4/24/06	4/26/06
Cadmium	7440-43-9	3050B	6010B	0.48	0.40	0.40	mg/kg	4/24/06	4/26/06
Chromium	7440-47-3	3050B	6010B	9.13	0.40	0.40	mg/kg	4/24/06	4/26/06
Lead	7439-92-1	3050B	6010B	72	0.40	0.40	mg/kg	4/24/06	4/26/06
Mercury	7439-97-6	NA	7471A	0.105	0.081	0.081	mg/kg	4/25/06	4/26/06
Selenium	7782-49-2	3050B	6010B	0.80	0.80	0.80	mg/kg	4/24/06	4/26/06
Silver	7440-22-4	3050B	6010B	ND	0.40	0.40	mg/kg	4/24/06	4/26/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0419-08
Sample ID:	Keith S-9 (0-6")
Date collected:	4/18/06
Matrix	SOIL
Solids, %	86.2
Sample Type:	Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	1.68	0.76	0.76	mg/kg	4/24/06	4/26/06
Barium	7440-39-3	3050B	6010B	38	0.38	0.38	mg/kg	4/24/06	4/26/06
Cadmium	7440-43-9	3050B	6010B	0.53	0.38	0.38	mg/kg	4/24/06	4/26/06
Chromium	7440-47-3	3050B	6010B	8.70	0.38	0.38	mg/kg	4/24/06	4/26/06
Lead	7439-92-1	3050B	6010B	283	0.38	0.38	mg/kg	4/24/06	4/26/06
Mercury	7439-97-6	NA	7471A	0.134	0.075	0.075	mg/kg	4/25/06	4/26/06
Selenium	7782-49-2	3050B	6010B	1.37	0.76	0.76	mg/kg	4/24/06	4/26/06
Silver	7440-22-4	3050B	6010B	ND	0.38	0.38	mg/kg	4/24/06	4/26/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0419-08
Sample ID:	Keith S-9 (1.5-1.75)
Date collected:	4/18/06
Matrix	SOIL
Solids, %	84.03
Sample Type:	Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	2.38	0.79	0.79	mg/kg	4/24/06	4/26/06
Barium	7440-39-3	3050B	6010B	90	0.40	0.40	mg/kg	4/24/06	4/26/06
Cadmium	7440-43-9	3050B	6010B	0.71	0.40	0.40	mg/kg	4/24/06	4/26/06
Chromium	7440-47-3	3050B	6010B	8.57	0.40	0.40	mg/kg	4/24/06	4/26/06
Lead	7439-92-1	3050B	6010B	231	0.40	0.40	mg/kg	4/24/06	4/26/06
Mercury	7439-97-6	NA	7471A	0.149	0.079	0.079	mg/kg	4/25/06	4/26/06
Selenium	7782-49-2	3050B	6010B	0.87	0.79	0.79	mg/kg	4/24/06	4/26/06
Silver	7440-22-4	3050B	6010B	ND	0.40	0.40	mg/kg	4/24/06	4/26/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0419-08
Sample ID:	Keith S-10 (0-6")
Date collected:	4/18/06
Matrix	SOIL
Solids, %	85.26
Sample Type:	Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	1.17	0.78	0.78	mg/kg	4/24/06	4/26/06
Barium	7440-39-3	3050B	6010B	33	0.39	0.39	mg/kg	4/24/06	4/26/06
Cadmium	7440-43-9	3050B	6010B	0.55	0.39	0.39	mg/kg	4/24/06	4/26/06
Chromium	7440-47-3	3050B	6010B	10	0.39	0.39	mg/kg	4/24/06	4/26/06
Lead	7439-92-1	3050B	6010B	65	0.39	0.39	mg/kg	4/24/06	4/26/06
Mercury	7439-97-6	NA	7471A	0.099	0.075	0.075	mg/kg	4/25/06	4/26/06
Selenium	7782-49-2	3050B	6010B	ND	0.78	0.78	mg/kg	4/24/06	4/26/06
Silver	7440-22-4	3050B	6010B	ND	0.39	0.39	mg/kg	4/24/06	4/26/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0419-08
Sample ID:	Keith S-11 (0-6")
Date collected:	4/18/06
Matrix	SOIL
Solids, %	83.87
Sample Type:	Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	3.06	0.76	0.76	mg/kg	4/24/06	4/26/06
Barium	7440-39-3	3050B	6010B	156	0.38	0.38	mg/kg	4/24/06	4/26/06
Cadmium	7440-43-9	3050B	6010B	0.92	0.38	0.38	mg/kg	4/24/06	4/26/06
Chromium	7440-47-3	3050B	6010B	16	0.38	0.38	mg/kg	4/24/06	4/26/06
Lead	7439-92-1	3050B	6010B	180	0.38	0.38	mg/kg	4/24/06	4/26/06
Mercury	7439-97-6	NA	7471A	0.195	0.077	0.077	mg/kg	4/25/06	4/26/06
Selenium	7782-49-2	3050B	6010B	1.38	0.76	0.76	mg/kg	4/24/06	4/26/06
Silver	7440-22-4	3050B	6010B	ND	0.38	0.38	mg/kg	4/24/06	4/26/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0419-08
Sample ID:	Keith S-12 (0-6")
Date collected:	4/18/06
Matrix	SOIL
Solids, %	97.52
Sample Type:	Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.68	0.68	mg/kg	4/24/06	4/26/06
Barium	7440-39-3	3050B	6010B	55	0.34	0.34	mg/kg	4/24/06	4/26/06
Cadmium	7440-43-9	3050B	6010B	0.48	0.34	0.34	mg/kg	4/24/06	4/26/06
Chromium	7440-47-3	3050B	6010B	30	0.34	0.34	mg/kg	4/24/06	4/26/06
Lead	7439-92-1	3050B	6010B	32	0.34	0.34	mg/kg	4/24/06	4/26/06
Mercury	7439-97-6	NA	7471A	ND	0.058	0.058	mg/kg	4/25/06	4/26/06
Selenium	7782-49-2	3050B	6010B	1.03	0.68	0.68	mg/kg	4/24/06	4/26/06
Silver	7440-22-4	3050B	6010B	ND	0.34	0.34	mg/kg	4/24/06	4/26/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	4/24/06	4/26/06
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	4/24/06	4/26/06
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	4/24/06	4/26/06
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	4/24/06	4/26/06
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	4/24/06	4/26/06
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	4/25/06	4/26/06
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	4/24/06	4/26/06
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	4/24/06	4/26/06

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	UCL, %	Date Analyzed
Arsenic	66.7	64.3	mg/kg	96	88	117	4/26/06
Barium	66.7	67.3	mg/kg	101	90	108	4/26/06
Cadmium	66.7	64.9	mg/kg	97	92	107	4/26/06
Chromium	66.7	66.7	mg/kg	100	90	110	4/26/06
Lead	66.7	66.1	mg/kg	99	88	111	4/26/06
Mercury	0.133	0.132	mg/kg	99	88	113	4/26/06
Selenium	66.7	57.3	mg/kg	85.9	84	105	4/26/06
Silver	66.7	60.4	mg/kg	90.6	84	109	4/26/06

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: Keith S-1 (1.5-4.75')		Analyst's Initials: DC
Case No.: R0419-08		
Date Collected: 4/18/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	4/21/06	4/26/06
Analytical Method: EPA 8082		
Compound	Concentration mg/kg* (ppm)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.1
Aroclor-1016/1242	N.D.	0.1
Aroclor-1248	N.D.	0.1
Aroclor-1254	N.D.	0.1
Aroclor-1260	N.D.	0.1
Aroclor-1262	N.D.	0.1
Aroclor-1268	N.D.	0.1
Surrogates:		
Compound	% Recovery	Limits
TCMX	75	19-139
DCBP	85	29-155

*Dry Weight Basis

Sample: Keith S-2 (0.5-1.25)		Analyst's Initials: DC
Case No.: R0419-08		
Date Collected: 4/18/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	4/21/06	4/26/06
Analytical Method: EPA 8082		
Compound	Concentration mg/kg* (ppm)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.1
Aroclor-1016/1242	N.D.	0.1
Aroclor-1248	N.D.	0.1
Aroclor-1254	N.D.	0.1
Aroclor-1260	N.D.	0.1
Aroclor-1262	N.D.	0.1
Aroclor-1268	N.D.	0.1
Surrogates:		
Compound	% Recovery	Limits
TCMX	88	19-139
DCBP	118	29-155

*Dry Weight Basis

Sample: Keith S-5 (1.5-2)		Analyst's Initials: DC
Case No.: R0419-08		
Date Collected: 4/18/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	4/21/06	4/26/06
Analytical Method: EPA 8082		
Compound	Concentration mg/kg* (ppm)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.1
Aroclor-1016/1242	N.D.	0.1
Aroclor-1248	N.D.	0.1
Aroclor-1254	N.D.	0.1
Aroclor-1260	N.D.	0.1
Aroclor-1262	N.D.	0.1
Aroclor-1268	N.D.	0.1
Surrogates:		
Compound	% Recovery	Limits
TCMX	80	19-139
DCBP	100	29-155

*Dry Weight Basis

Sample: Keith S-6 (0-6”)		Analyst’s Initials: DC
Case No.: R0419-08		
Date Collected: 4/18/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	4/21/06	4/26/06
Analytical Method: EPA 8082		
Compound	Concentration mg/kg* (ppm)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.1
Aroclor-1016/1242	N.D.	0.1
Aroclor-1248	N.D.	0.1
Aroclor-1254	N.D.	0.1
Aroclor-1260	N.D.	0.1
Aroclor-1262	N.D.	0.1
Aroclor-1268	N.D.	0.1
Surrogates:		
Compound	% Recovery	Limits
TCMX	70	19-139
DCBP	103	29-155

*Dry Weight Basis

Sample: Keith S-7 (0-6”)		Analyst’s Initials: DC
Case No.: R0419-08		
Date Collected: 4/18/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	4/21/06	4/26/06
Analytical Method: EPA 8082		
Compound	Concentration mg/kg* (ppm)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.1
Aroclor-1016/1242	N.D.	0.1
Aroclor-1248	N.D.	0.1
Aroclor-1254	N.D.	0.1
Aroclor-1260	N.D.	0.1
Aroclor-1262	N.D.	0.1
Aroclor-1268	N.D.	0.1
Surrogates:		
Compound	% Recovery	Limits
TCMX	68	19-139
DCBP	78	29-155

*Dry Weight Basis

Sample: Keith S-8 (0-6”)		Analyst’s Initials: DC
Case No.: R0419-08		
Date Collected: 4/18/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	4/21/06	4/26/06
Analytical Method: EPA 8082		
Compound	Concentration mg/kg* (ppm)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.1
Aroclor-1016/1242	N.D.	0.1
Aroclor-1248	N.D.	0.1
Aroclor-1254	N.D.	0.1
Aroclor-1260	N.D.	0.1
Aroclor-1262	N.D.	0.1
Aroclor-1268	N.D.	0.1
Surrogates:		
Compound	% Recovery	Limits
TCMX	80	19-139
DCBP	98	29-155

*Dry Weight Basis

Sample: Keith S-9 (0-6”)		Analyst’s Initials: DC
Case No.: R0419-08		
Date Collected: 4/18/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	4/21/06	4/26/06
Analytical Method: EPA 8082		
Compound	Concentration mg/kg* (ppm)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.1
Aroclor-1016/1242	N.D.	0.1
Aroclor-1248	N.D.	0.1
Aroclor-1254	N.D.	0.1
Aroclor-1260	N.D.	0.1
Aroclor-1262	N.D.	0.1
Aroclor-1268	N.D.	0.1
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	19-139
DCBP	93	29-155

*Dry Weight Basis

Sample: Keith S-9 (1.5-1.75)		Analyst's Initials: DC
Case No.: R0419-08		
Date Collected: 4/18/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	4/21/06	4/26/06
Analytical Method: EPA 8082		
Compound	Concentration mg/kg* (ppm)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.1
Aroclor-1016/1242	N.D.	0.1
Aroclor-1248	N.D.	0.1
Aroclor-1254	N.D.	0.1
Aroclor-1260	N.D.	0.1
Aroclor-1262	N.D.	0.1
Aroclor-1268	N.D.	0.1
Surrogates:		
Compound	% Recovery	Limits
TCMX	68	19-139
DCBP	98	29-155

*Dry Weight Basis

Sample: Keith S-10 (0-6")		Analyst's Initials: DC
Case No.: R0419-08		
Date Collected: 4/18/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	4/21/06	4/26/06
Analytical Method: EPA 8082		
Compound	Concentration mg/kg* (ppm)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.1
Aroclor-1016/1242	N.D.	0.1
Aroclor-1248	N.D.	0.1
Aroclor-1254	N.D.	0.1
Aroclor-1260	N.D.	0.1
Aroclor-1262	N.D.	0.1
Aroclor-1268	N.D.	0.1
Surrogates:		
Compound	% Recovery	Limits
TCMX	85	19-139
DCBP	100	29-155

*Dry Weight Basis

Sample: Keith S-11 (0-6”)		Analyst’s Initials: DC
Case No.: R0419-08		
Date Collected: 4/18/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	4/21/06	4/27/06
Analytical Method: EPA 8082		
Compound	Concentration mg/kg* (ppm)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.1
Aroclor-1016/1242	N.D.	0.1
Aroclor-1248	N.D.	0.1
Aroclor-1254	0.9	0.4
Aroclor-1260	N.D.	0.1
Aroclor-1262	N.D.	0.1
Aroclor-1268	N.D.	0.1
Surrogates:		
Compound	% Recovery	Limits
TCMX	80	19-139
DCBP	113	29-155

*Dry Weight Basis

Sample: Keith S-12 (0-6”)		Analyst’s Initials: DC
Case No.: R0419-08		
Date Collected: 4/18/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	4/21/06	4/26/06
Analytical Method: EPA 8082		
Compound	Concentration mg/kg* (ppm)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.1
Aroclor-1016/1242	N.D.	0.1
Aroclor-1248	N.D.	0.1
Aroclor-1254	N.D.	0.1
Aroclor-1260	N.D.	0.1
Aroclor-1262	N.D.	0.1
Aroclor-1268	N.D.	0.1
Surrogates:		
Compound	% Recovery	Limits
TCMX	85	19-139
DCBP	120	29-155

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: DC
Case No.: R0419-08		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	4/21/06	4/26/06
Analytical Method: EPA 8082		
Compound	Concentration mg/kg (ppm)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.1
Aroclor-1016/1242	N.D.	0.1
Aroclor-1248	N.D.	0.1
Aroclor-1254	N.D.	0.1
Aroclor-1260	N.D.	0.1
Aroclor-1262	N.D.	0.1
Aroclor-1268	N.D.	0.1
Surrogates:		
Compound	% Recovery	Limits
TCMX	70	19-139
DCBP	75	29-155

PCB Laboratory Control Spike

Sample Matrix: Soil			Analyst:	DC
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3541	4/21/06			4/21/06
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
1016-1	0.25	0.18	72	40-140
Surrogates:				
Compound	% Recovery	Limits		
TCMX	68	19-139		
DCBP	73	29-155		

RESULTS: SEMIVOLATILE ORGANIC COMPOUNDS

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-09

Method: 8270

Matrix: (soil/water/air) SOIL

Sample wt/vol: 20.574 (g/ml) G

Level: (low/med) LOW

% Moisture: 13.2

Concentrated Extract Volume: 1000 (uL)

Injection Volume: 1.0 (uL)

Analyst's Initials: RCM

Client Name: BETA Group, Inc.

Lab Sample ID: Keith S-1 (1.5-4.75')

Lab File ID: B042508.D

Date Sampled: 4/18/2006

Date Extracted: 4/21/2006

Date Analyzed: 4/25/2006

Dilution Factor: 1.0

CAS NO.	COMPOUND	UNITS: UG/KG	Q
91-20-3	Naphthalene	56	U
91-57-6	2-Methylnaphthalene	56	U
208-96-8	Acenaphthylene	56	U
83-32-9	Acenaphthene	56	U
132-64-9	Dibenzofuran	56	U
86-73-7	Fluorene	56	U
85-01-8	Phenanthrene	160	
120-12-7	Anthracene	56	U
206-44-0	Fluoranthene	200	
129-00-0	Pyrene	180	
56-55-3	Benzo(a)anthracene	91	
218-01-9	Chrysene	94	
205-99-2	Benzo(b)fluoranthene	140	
207-08-9	Benzo(k)fluoranthene	56	U
50-32-8	Benzo(a)pyrene	81	
193-39-5	Indeno(1,2,3-cd)pyrene	56	U
53-70-3	Dibenz(a,h)anthracene	56	U
191-24-2	Benzo(g,h,i)perylene	56	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-09

Method: 8270

Matrix: (soil/water/air) SOIL

Sample wt/vol: 20.316 (g/ml) G

Level: (low/med) LOW

% Moisture: 13.02

Concentrated Extract Volume: 1000 (uL)

Injection Volume: 1.0 (uL)

Analyst's Initials: RCM

Client Name: BETA Group, Inc.

Lab Sample ID: Keith S-2 (0.5-1.25)

Lab File ID: B042512.D

Date Sampled: 4/18/2006

Date Extracted: 4/21/2006

Date Analyzed: 4/25/2006

Dilution Factor: 1.0

CAS NO.	COMPOUND	UNITS: UG/KG	Q
91-20-3	Naphthalene	57	U
91-57-6	2-Methylnaphthalene	57	U
208-96-8	Acenaphthylene	300	
83-32-9	Acenaphthene	57	U
132-64-9	Dibenzofuran	57	U
86-73-7	Fluorene	57	U
85-01-8	Phenanthrene	720	
120-12-7	Anthracene	400	
206-44-0	Fluoranthene	1800	
129-00-0	Pyrene	1900	
56-55-3	Benzo(a)anthracene	1200	
218-01-9	Chrysene	1100	
205-99-2	Benzo(b)fluoranthene	1700	
207-08-9	Benzo(k)fluoranthene	530	
50-32-8	Benzo(a)pyrene	1300	
193-39-5	Indeno(1,2,3-cd)pyrene	480	
53-70-3	Dibenz(a,h)anthracene	170	
191-24-2	Benzo(g,h,i)perylene	390	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-09
Method: 8270
Matrix: (soil/water/air) SOIL
Sample wt/vol: 20.376 (g/ml) G
Level: (low/med) LOW
% Moisture: 16.43
Concentrated Extract Volume: 1000 (uL)
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

Client Name: BETA Group, Inc.
Lab Sample ID: Keith S-5 (1.5-2)
Lab File ID: B042507.D
Date Sampled: 4/18/2006
Date Extracted: 4/21/2006
Date Analyzed: 4/25/2006
Dilution Factor: 1.0

CAS NO.	COMPOUND	UNITS: UG/KG	Q
91-20-3	Naphthalene	58	U
91-57-6	2-Methylnaphthalene	58	U
208-96-8	Acenaphthylene	58	U
83-32-9	Acenaphthene	58	U
132-64-9	Dibenzofuran	58	U
86-73-7	Fluorene	58	U
85-01-8	Phenanthrene	58	U
120-12-7	Anthracene	58	U
206-44-0	Fluoranthene	58	U
129-00-0	Pyrene	58	U
56-55-3	Benzo(a)anthracene	58	U
218-01-9	Chrysene	58	U
205-99-2	Benzo(b)fluoranthene	58	U
207-08-9	Benzo(k)fluoranthene	58	U
50-32-8	Benzo(a)pyrene	58	U
193-39-5	Indeno(1,2,3-cd)pyrene	58	U
53-70-3	Dibenz(a,h)anthracene	58	U
191-24-2	Benzo(g,h,i)perylene	58	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-09

Method: 8270

Matrix: (soil/water/air) SOIL

Sample wt/vol: 20.024 (g/ml) G

Level: (low/med) LOW

% Moisture: 16.49

Concentrated Extract Volume: 1000 (uL)

Injection Volume: 1.0 (uL)

Analyst's Initials: RCM

Client Name: BETA Group, Inc.

Lab Sample ID: Keith S-6 (0-6")

Lab File ID: B042513.D

Date Sampled: 4/18/2006

Date Extracted: 4/21/2006

Date Analyzed: 4/25/2006

Dilution Factor: 1.0

CAS NO.	COMPOUND	UNITS: UG/KG	Q
91-20-3	Naphthalene	59	U
91-57-6	2-Methylnaphthalene	59	U
208-96-8	Acenaphthylene	90	
83-32-9	Acenaphthene	140	
132-64-9	Dibenzofuran	72	
86-73-7	Fluorene	190	
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	370	
206-44-0	Fluoranthene	2000	
129-00-0	Pyrene	1800	
56-55-3	Benzo(a)anthracene	940	
218-01-9	Chrysene	850	
205-99-2	Benzo(b)fluoranthene	1200	
207-08-9	Benzo(k)fluoranthene	460	
50-32-8	Benzo(a)pyrene	850	
193-39-5	Indeno(1,2,3-cd)pyrene	370	
53-70-3	Dibenz(a,h)anthracene	120	
191-24-2	Benzo(g,h,i)perylene	310	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-09

Method: 8270

Matrix: (soil/water/air) SOIL

Sample wt/vol: 20.645 (g/ml) G

Level: (low/med) LOW

% Moisture: 15.16

Concentrated Extract Volume: 1000 (uL)

Injection Volume: 1.0 (uL)

Analyst's Initials: RCM

Client Name: BETA Group, Inc.

Lab Sample ID: Keith S-7 (0-6")

Lab File ID: B042505.D

Date Sampled: 4/18/2006

Date Extracted: 4/21/2006

Date Analyzed: 4/25/2006

Dilution Factor: 1.0

CAS NO.	COMPOUND	UNITS: UG/KG	Q
91-20-3	Naphthalene	57	U
91-57-6	2-Methylnaphthalene	57	U
208-96-8	Acenaphthylene	57	U
83-32-9	Acenaphthene	57	U
132-64-9	Dibenzofuran	57	U
86-73-7	Fluorene	57	U
85-01-8	Phenanthrene	89	
120-12-7	Anthracene	57	U
206-44-0	Fluoranthene	170	
129-00-0	Pyrene	160	
56-55-3	Benzo(a)anthracene	80	
218-01-9	Chrysene	83	
205-99-2	Benzo(b)fluoranthene	120	
207-08-9	Benzo(k)fluoranthene	57	U
50-32-8	Benzo(a)pyrene	83	
193-39-5	Indeno(1,2,3-cd)pyrene	57	U
53-70-3	Dibenz(a,h)anthracene	57	U
191-24-2	Benzo(g,h,i)perylene	57	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-09
Method: 8270
Matrix: (soil/water/air) SOIL
Sample wt/vol: 20.107 (g/ml) G
Level: (low/med) LOW
% Moisture: 18.4
Concentrated Extract Volume: 1000 (uL)
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

Client Name: BETA Group, Inc.
Lab Sample ID: Keith S-8 (0-6")
Lab File ID: B042506.D
Date Sampled: 4/18/2006
Date Extracted: 4/21/2006
Date Analyzed: 4/25/2006
Dilution Factor: 1.0

CAS NO.	COMPOUND	UNITS: UG/KG	Q
91-20-3	Naphthalene	61	U
91-57-6	2-Methylnaphthalene	61	U
208-96-8	Acenaphthylene	61	U
83-32-9	Acenaphthene	61	U
132-64-9	Dibenzofuran	61	U
86-73-7	Fluorene	61	U
85-01-8	Phenanthrene	240	
120-12-7	Anthracene	61	
206-44-0	Fluoranthene	340	
129-00-0	Pyrene	280	
56-55-3	Benzo(a)anthracene	150	
218-01-9	Chrysene	130	
205-99-2	Benzo(b)fluoranthene	180	
207-08-9	Benzo(k)fluoranthene	63	
50-32-8	Benzo(a)pyrene	140	
193-39-5	Indeno(1,2,3-cd)pyrene	82	
53-70-3	Dibenz(a,h)anthracene	61	U
191-24-2	Benzo(g,h,i)perylene	75	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-09
Method: 8270
Matrix: (soil/water/air) SOIL
Sample wt/vol: 20.93 (g/ml) G
Level: (low/med) LOW
% Moisture: 13.8
Concentrated Extract Volume: 1000 (uL)
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

Client Name: BETA Group, Inc.
Lab Sample ID: Keith S-9 (0-6")
Lab File ID: B042510.D
Date Sampled: 4/18/2006
Date Extracted: 4/21/2006
Date Analyzed: 4/25/2006
Dilution Factor: 1.0

CAS NO.	COMPOUND	UNITS: UG/KG	Q
91-20-3	Naphthalene	56	U
91-57-6	2-Methylnaphthalene	56	U
208-96-8	Acenaphthylene	56	U
83-32-9	Acenaphthene	56	U
132-64-9	Dibenzofuran	56	U
86-73-7	Fluorene	56	U
85-01-8	Phenanthrene	140	
120-12-7	Anthracene	56	U
206-44-0	Fluoranthene	260	
129-00-0	Pyrene	270	
56-55-3	Benzo(a)anthracene	120	
218-01-9	Chrysene	130	
205-99-2	Benzo(b)fluoranthene	180	
207-08-9	Benzo(k)fluoranthene	56	U
50-32-8	Benzo(a)pyrene	120	
193-39-5	Indeno(1,2,3-cd)pyrene	67	
53-70-3	Dibenz(a,h)anthracene	56	U
191-24-2	Benzo(g,h,i)perylene	58	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-09
Method: 8270
Matrix: (soil/water/air) SOIL
Sample wt/vol: 20.42 (g/ml) G
Level: (low/med) LOW
% Moisture: 15.97
Concentrated Extract Volume: 1000 (uL)
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

Client Name: BETA Group, Inc.
Lab Sample ID: Keith S-9 (1.5-1.75)
Lab File ID: B042603.D
Date Sampled: 4/18/2006
Date Extracted: 4/21/2006
Date Analyzed: 4/26/2006
Dilution Factor: 5.0

CAS NO.	COMPOUND	UNITS: UG/KG	Q
91-20-3	Naphthalene	360	D
91-57-6	2-Methylnaphthalene	390	D
208-96-8	Acenaphthylene	1100	D
83-32-9	Acenaphthene	970	D
132-64-9	Dibenzofuran	510	D
86-73-7	Fluorene	2000	D
85-01-8	Phenanthrene	16000	D
120-12-7	Anthracene	4200	D
206-44-0	Fluoranthene	10000	D
129-00-0	Pyrene	10000	D
56-55-3	Benzo(a)anthracene	5600	D
218-01-9	Chrysene	5000	D
205-99-2	Benzo(b)fluoranthene	4200	D
207-08-9	Benzo(k)fluoranthene	1400	D
50-32-8	Benzo(a)pyrene	3600	D
193-39-5	Indeno(1,2,3-cd)pyrene	1600	D
53-70-3	Dibenz(a,h)anthracene	650	D
191-24-2	Benzo(g,h,i)perylene	1300	D

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-09

Method: 8270

Matrix: (soil/water/air) SOIL

Sample wt/vol: 20.349 (g/ml) G

Level: (low/med) LOW

% Moisture: 14.74

Concentrated Extract Volume: 1000 (uL)

Injection Volume: 1.0 (uL)

Analyst's Initials: RCM

Client Name: BETA Group, Inc.

Lab Sample ID: Keith S-10 (0-6")

Lab File ID: B042509.D

Date Sampled: 4/18/2006

Date Extracted: 4/21/2006

Date Analyzed: 4/25/2006

Dilution Factor: 1.0

CAS NO.	COMPOUND	UNITS: UG/KG	Q
91-20-3	Naphthalene	58	U
91-57-6	2-Methylnaphthalene	58	U
208-96-8	Acenaphthylene	58	U
83-32-9	Acenaphthene	58	U
132-64-9	Dibenzofuran	58	U
86-73-7	Fluorene	58	U
85-01-8	Phenanthrene	190	
120-12-7	Anthracene	58	U
206-44-0	Fluoranthene	350	
129-00-0	Pyrene	290	
56-55-3	Benzo(a)anthracene	140	
218-01-9	Chrysene	140	
205-99-2	Benzo(b)fluoranthene	230	
207-08-9	Benzo(k)fluoranthene	68	
50-32-8	Benzo(a)pyrene	160	
193-39-5	Indeno(1,2,3-cd)pyrene	87	
53-70-3	Dibenz(a,h)anthracene	58	U
191-24-2	Benzo(g,h,i)perylene	80	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-09
Method: 8270
Matrix: (soil/water/air) SOIL
Sample wt/vol: 20.265 (g/ml) G
Level: (low/med) LOW
% Moisture: 16.13
Concentrated Extract Volume: 1000 (uL)
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

Client Name: BETA Group, Inc.
Lab Sample ID: Keith S-11 (0-6")
Lab File ID: B042515.D
Date Sampled: 4/18/2006
Date Extracted: 4/21/2006
Date Analyzed: 4/25/2006
Dilution Factor: 1.0

CAS NO.	COMPOUND	UNITS: UG/KG	Q
91-20-3	Naphthalene	59	U
91-57-6	2-Methylnaphthalene	59	U
208-96-8	Acenaphthylene	93	
83-32-9	Acenaphthene	86	
132-64-9	Dibenzofuran	59	U
86-73-7	Fluorene	88	
85-01-8	Phenanthrene	1000	
120-12-7	Anthracene	230	
206-44-0	Fluoranthene	1600	
129-00-0	Pyrene	1600	
56-55-3	Benzo(a)anthracene	760	
218-01-9	Chrysene	680	
205-99-2	Benzo(b)fluoranthene	1300	
207-08-9	Benzo(k)fluoranthene	370	
50-32-8	Benzo(a)pyrene	780	
193-39-5	Indeno(1,2,3-cd)pyrene	300	
53-70-3	Dibenz(a,h)anthracene	100	
191-24-2	Benzo(g,h,i)perylene	250	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-09
Method: 8270
Matrix: (soil/water/air) SOIL
Sample wt/vol: 20.727 (g/ml) G
Level: (low/med) LOW
% Moisture: 2.48
Concentrated Extract Volume: 1000 (uL)
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

Client Name: BETA Group, Inc.
Lab Sample ID: Keith S-12 (0-6")
Lab File ID: B042516.D
Date Sampled: 4/18/2006
Date Extracted: 4/21/2006
Date Analyzed: 4/25/2006
Dilution Factor: 20.0

CAS NO.	COMPOUND	UNITS: UG/KG	Q
91-20-3	Naphthalene	980	U
91-57-6	2-Methylnaphthalene	980	U
208-96-8	Acenaphthylene	980	U
83-32-9	Acenaphthene	980	U
132-64-9	Dibenzofuran	980	U
86-73-7	Fluorene	980	U
85-01-8	Phenanthrene	1300	D
120-12-7	Anthracene	980	U
206-44-0	Fluoranthene	2400	D
129-00-0	Pyrene	3800	D
56-55-3	Benzo(a)anthracene	1500	D
218-01-9	Chrysene	1300	D
205-99-2	Benzo(b)fluoranthene	2500	D
207-08-9	Benzo(k)fluoranthene	980	U
50-32-8	Benzo(a)pyrene	1800	D
193-39-5	Indeno(1,2,3-cd)pyrene	980	U
53-70-3	Dibenz(a,h)anthracene	980	U
191-24-2	Benzo(g,h,i)perylene	980	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-09
Method: 8270
Matrix: (soil/water/air) SOIL
Sample wt/vol: 20 (g/ml) G
Level: (low/med) LOW
% Moisture: 0
Concentrated Extract Volume: 1000 (uL)
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

Client Name: BETA Group, Inc.
Lab Sample ID: SBLK060421
Lab File ID: B042503.D
Date Sampled: 4/18/2006
Date Extracted: 4/21/2006
Date Analyzed: 4/25/2006
Dilution Factor: 1.0

CAS NO.	COMPOUND	UNITS: UG/KG	Q
91-20-3	Naphthalene	50	U
91-57-6	2-Methylnaphthalene	50	U
208-96-8	Acenaphthylene	50	U
83-32-9	Acenaphthene	50	U
132-64-9	Dibenzofuran	50	U
86-73-7	Fluorene	50	U
85-01-8	Phenanthrene	50	U
120-12-7	Anthracene	50	U
206-44-0	Fluoranthene	50	U
129-00-0	Pyrene	50	U
56-55-3	Benzo(a)anthracene	50	U
218-01-9	Chrysene	50	U
205-99-2	Benzo(b)fluoranthene	50	U
207-08-9	Benzo(k)fluoranthene	50	U
50-32-8	Benzo(a)pyrene	50	U
193-39-5	Indeno(1,2,3-cd)pyrene	50	U
53-70-3	Dibenz(a,h)anthracene	50	U
191-24-2	Benzo(g,h,i)perylene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

FORM I SV-1

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Case No.: R0418-09

Lab Code: RI010 Client Name: BETA Group, Inc.

Level: (low/med) LOW

	Sample ID	S1 #	S2 #	S3 #	TOT OUT
01	SBLK060421	78	71	77	0
02	SLCS060421	80	71	73	0
03	KEITH S-7 (0-6")	80	71	77	0
04	KEITH S-8 (0-6")	74	65	72	0
05	KEITH S-5 (1.5-2)	81	72	77	0
06	KEITH S-1 (1.5-4.75')	77	70	79	0
07	KEITH S-10 (0-6")	81	72	77	0
08	KEITH S-9 (0-6")	68	60	68	0
09	KEITH S-2 (0.5-1.25)	87	77	81	0
10	KEITH S-6 (0-6")	68	63	78	0
11	KEITH S-11 (0-6")	76	67	83	0
12	KEITH S-12 (0-6")	91	83	129	0
13	KEITH S-9 (1.5-1.75)	29 D	55	84	0

			QC LIMITS
S1	=	Nitrobenzene-d5	(30-128)
S2	=	2-Fluorobiphenyl	(21-139)
S3	=	Terphenyl-d14	(29-187)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

New England Testing Laboratory,

FORM II SV-2

PNA Soil Laboratory Control Spike

Date Extracted: 04/21/06
Date Analyzed: 04/25/06

	Amount Spiked ug/Kg	Result, ug/Kg	Recovery %	Recovery Limits
Naphthalene	2500	1746	70	7-107
2-Methylnaphthalene	2500	1750	70	21-101
Acenaphthylene	2500	1829	73	30-104
Acenaphthene	2500	1784	71	27-100
Dibenzofuran	2500	1911	76	40-120
Fluorene	2500	1921	77	26-108
Phenanthrene	2500	1824	73	32-101
Anthracene	2500	1869	75	33-99
Fluoranthene	2500	1847	74	37-91
Pyrene	2500	1751	70	14-121
Benzo(a)anthracene	2500	1854	74	32-98
Chrysene	2500	1841	74	30-130
Benzo(b)fluoranthene	2500	1948	78	10-143
Benzo(k)fluoranthene	2500	2072	83	10-152
Benzo(a)pyrene	2500	1997	80	24-112
Indeno(1,2,3-cd)pyrene	2500	1877	75	26-94
Dibenz(a,h)anthracene	2500	1916	77	30-96
Benzo(g,h,i)perylene	2500	1795	72	22-93

New England Testing Laboratory, Inc.

Custody Records

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904

1 of 1

R0419-08

CHAIN OF CUSTODY RECORD

PROJ. NO.: 2685
PROJECT NAME: Keith Junior High School
CLIENT: BETA MA

SAMPLE I.D.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	PCB 8082	RCRA & Metals	PAHs				REMARKS
	4-18-06			X	Keith S-1 (1.5-4.75')	1	X	X	X				
				X	Keith S-2 (0.5-1.25)	1	X	X	X				
				X	Keith S-5 (1.5-2)	1	X	X	X				
				X	Keith S-6 (0-6")	1	X	X	X				
				X	Keith S-7 (0-6")	1	X	X	X				
				X	Keith S-8 (0-6")	1	X	X	X				
				X	Keith S-9 (0-6")	1	X	X	X				
				X	Keith S-9 (1.5-1.75)	1	X	X	X				
				X	Keith S-10 (0-6")	1	X	X	X				
				X	Keith S-11 (0-6")	1	X	X	X				
	4-18-06			X	Keith S-12 (0-6")	1	X	X	X				

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	4/18/06 10:00	[signature]			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks	
		M. Tarantino	4/19/06 10:45	5 DAY TT Total PCB MDL <1.0 ppm Report in ppm (PCBs)	10°C on ice

soil

APPENDIX D

COPY OF CHECK FOR MASSDEP RAM PLAN FEE

622452

TRC

21 Griffin Road North
Windsor, CT 06095

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

CHECK DATE

April 8, 2009

PAY

Eight Hundred and 00/100 Dollars

AMOUNT

$800.00

TO

Commonwealth Of Massachusetts
P.O. Box 3982
Department of Environmental Protection
Commonwealth Master Lockbox
Boston MA 02441-3982

By _____ MP
VOID AFTER 90 DAYS AUTHORIZED SIGNATURE

Security Check features included. Details on back.

⑈622452⑈ ⑆031100225⑆ 2079950091538⑈

EMILY BUSINESS FORMS 800.392.6018 VISION

TRC

21 Griffin Road North
Windsor, CT 06095

622452

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
RAM PLAN FEE 4/6/09	4/6/09	000000363332	800.00	0.00	0.00	800.00
Commonwealth Of Massachusetts 3BANK 11 030812		Totals	800.00	0.00	0.00	800.00

APPENDIX E

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

Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.TRCsolutions.com

April 10, 2009

TRC Reference Number: 115058.0000.0000

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

RE: Notice of Implementation of Release Abatement Measures Under the Massachusetts Contingency Plan – Former Keith Junior High School Site, MassDEP RTNs 4-15685 and 4-15824 (filed under 4-15685).

Dear Mayor Lang:

On behalf of the City of New Bedford (the "City"), and pursuant to 310 CMR 40.1403 of the Massachusetts Contingency Plan (MCP), TRC Environmental Corporation (TRC) has prepared this letter to inform you of implementation of a Release Abatement Measure (RAM) at the Former Keith Junior High School Site located between Hathaway Boulevard and Hunter Street in New Bedford, Massachusetts.

The RAM that will be performed at this location involves excavation and off-site reuse, recycling, and/or disposal of contaminated soil and debris as well as on-site reuse of soils below Massachusetts Department of Environmental Protection (MassDEP) regulatory criteria. Additionally, groundwater management may be required. Soil and groundwater management activities are being conducted to support construction of the new Andrea McCoy Field. A RAM Plan for this application, as required by 310 CMR 40.0440 of the MCP, will be provided to the MassDEP during the week of April 13, 2009. Excavation and disposal activities are anticipated to conclude on or before August 30, 2009.

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

Sincerely,
TRC Environmental Corporation

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

Wannalancit Mills
650 Suffolk Street
Lowell, MA 01854

978.970.5600 PHONE
978.453.1995 FAX

www.TRCsolutions.com

April 10, 2009

TRC Reference Number: 115058.0000.0000

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

RE: Notice of Implementation of Release Abatement Measures Under the Massachusetts Contingency Plan – Former Keith Junior High School Site, MassDEP RTNs 4-15685 and 4-15824 (filed under 4-15685).

Dear Ms. De Souza:

On behalf of the City of New Bedford (the "City"), and pursuant to 310 CMR 40.1403 of the Massachusetts Contingency Plan (MCP), TRC Environmental Corporation (TRC) has prepared this letter to inform you of implementation of a Release Abatement Measure (RAM) at the Former Keith Junior High School Site located between Hathaway Boulevard and Hunter Street in New Bedford, Massachusetts.

The RAM that will be performed at this location involves excavation and off-site reuse, recycling, and/or disposal of contaminated soil and debris as well as on-site reuse of soils below Massachusetts Department of Environmental Protection (MassDEP) regulatory criteria. Additionally, groundwater management may be required. Soil and groundwater management activities are being conducted to support construction of the new Andrea McCoy Field. A RAM Plan for this application, as required by 310 CMR 40.0440 of the MCP, will be provided to the MassDEP during the week of April 13, 2009. Excavation and disposal activities are anticipated to conclude on or before August 30, 2009.

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

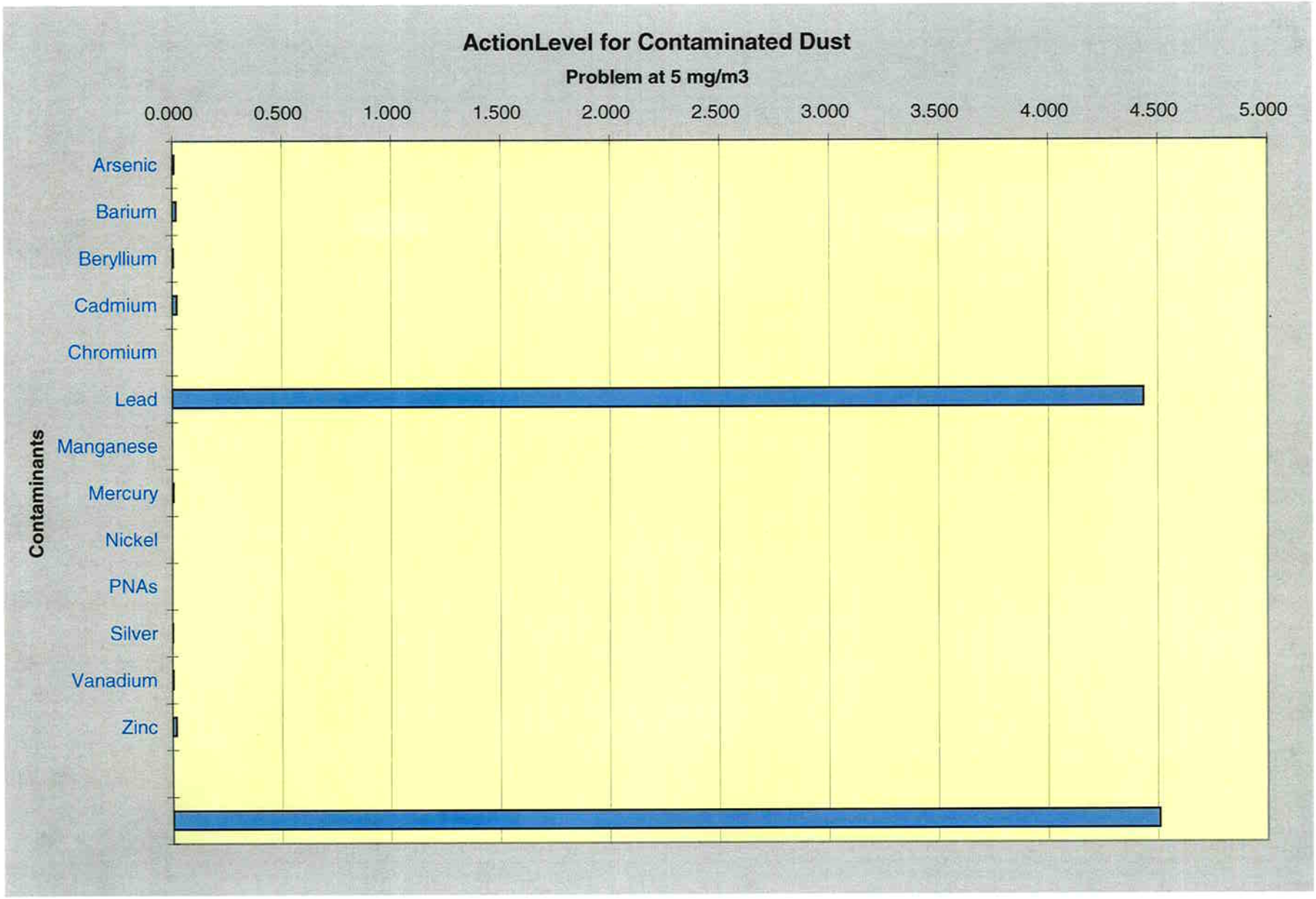
Sincerely,
TRC Environmental Corporation

David M. Sullivan, LSP
Sr. Project Manager

APPENDIX F

DUST EXPOSURE CALCULATION WORKSHEETS

KJHS	DUST EXPOSURE CALCULATION WORKSHEET			
Area 1		Safety Factor for this site = 1		
Chemical	Exposure Limit (mg/m3)	Maximum Soil Concentration (mg/kg)	Exposure Limit Based on ngle Compound EL Mix, mg/m3)	Dust Quotient for ach Compound (level/limit)
Arsenic	0.01	14	714.29	1.40E+03
Barium	0.5	1,680	297.62	3.36E+03
Beryllium	0.002	2	1,333.33	7.50E+02
Cadmium	0.005	20	250.	4.00E+03
Chromium	0.5	41	1.22E+4	8.20E+01
Lead	0.0015	1,330	1.13	8.87E+05
Manganese	1	1.E-9	1.E+15	1.00E-09
Mercury	0.05	38	1,315.79	7.60E+02
Nickel	1	26	3.85E+4	2.60E+01
PNAs	0.2	9	2.22E+4	4.50E+01
Silver	0.01	2	5,000.	2.00E+02
Vanadium	0.05	37	1,351.35	7.40E+02
Zinc	5	16,800	297.62	3.36E+03
			Sum	9.01E+05
Dust Exposure Level at Mixture PEL =			1.109	

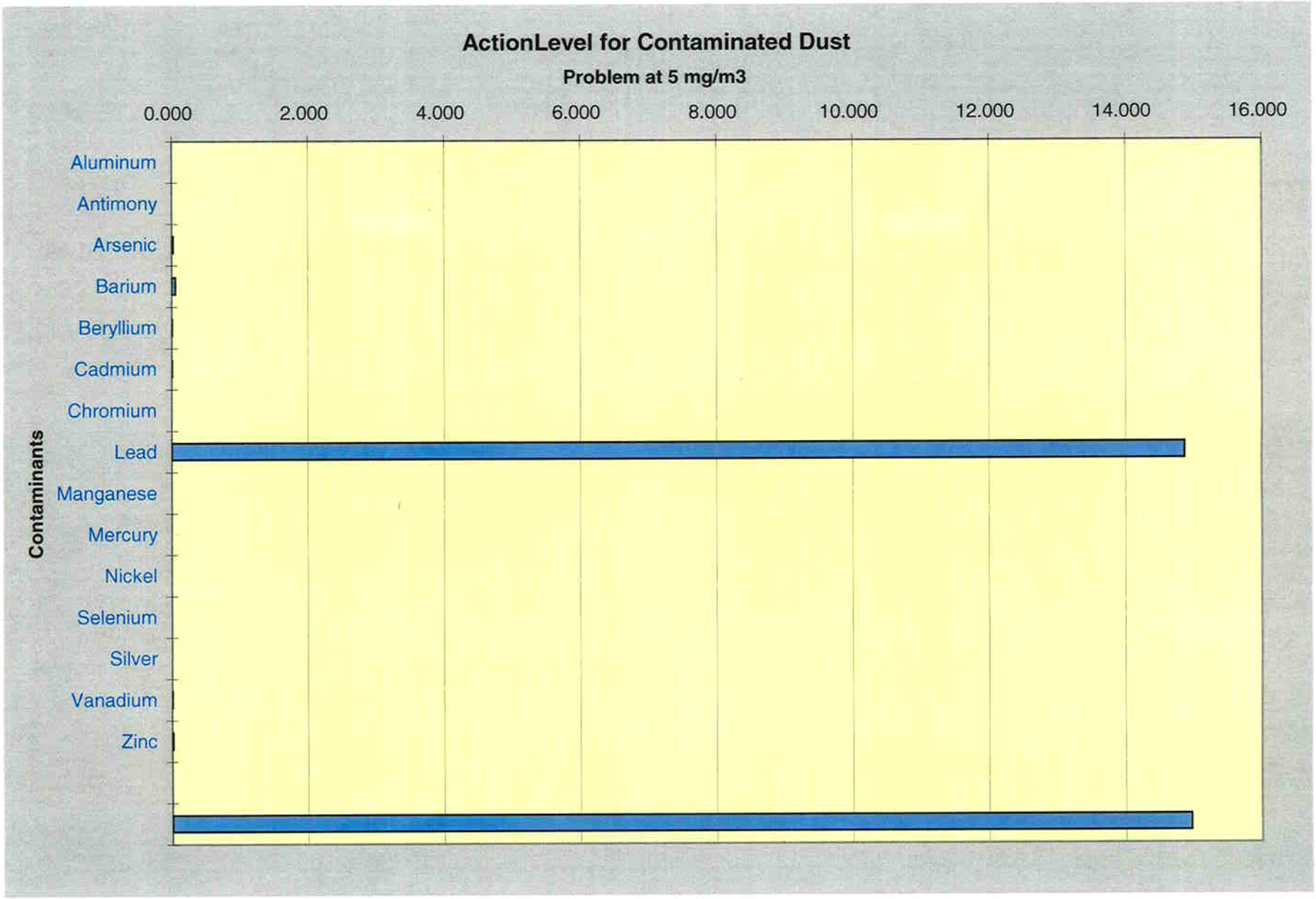

ActionLevel for Contaminated Dust
Problem at 5 mg/m3
0.000
0.500
1.000
1.500
2.000
2.500
3.000
3.500
4.000
4.500
5.000
Contaminants
Arsenic
Barium
Beryllium
Cadmium
Chromium
Lead
Manganese
Mercury
Nickel
PNAs
Silver
Vanadium
Zinc

KJHS
Area 2

DUST EXPOSURE CALCULATION WORKSHEET

Safety Factor for this site = 1

Chemical	Exposure Limit (mg/m3)	Maximum Soil Concentration (mg/kg)	Exposure Limit Based on ngle Compound EL Mix, mg/m3)	Dust Quotient for ach Compound (level/limit)
Aluminum	5	1.E-9	5.E+15	2.00E-10
Antimony	0.5	94	5,319.15	1.88E+02
Arsenic	0.01	32	312.5	3.20E+03
Barium	0.5	5,090	98.23	1.02E+04
Beryllium	0.002	1	2,000.	5.00E+02
Cadmium	0.005	5	1,000.	1.00E+03
Chromium	0.5	126	3,968.25	2.52E+02
Lead	0.0015	4,460	.34	2.97E+06
Manganese	1	1.E-9	1.E+15	1.00E-09
Mercury	0.05	1	5.E+4	2.00E+01
Nickel	1	79	1.27E+4	7.90E+01
Selenium	0.2	7	2.86E+4	3.50E+01
Silver	0.01	1	10,000.	1.00E+02
Vanadium	0.05	40	1,250.	8.00E+02
Zinc	5	14,000	357.14	2.80E+03
			Sum	2.99E+06
Dust Exposure Level at Mixture PEL =			0.334	

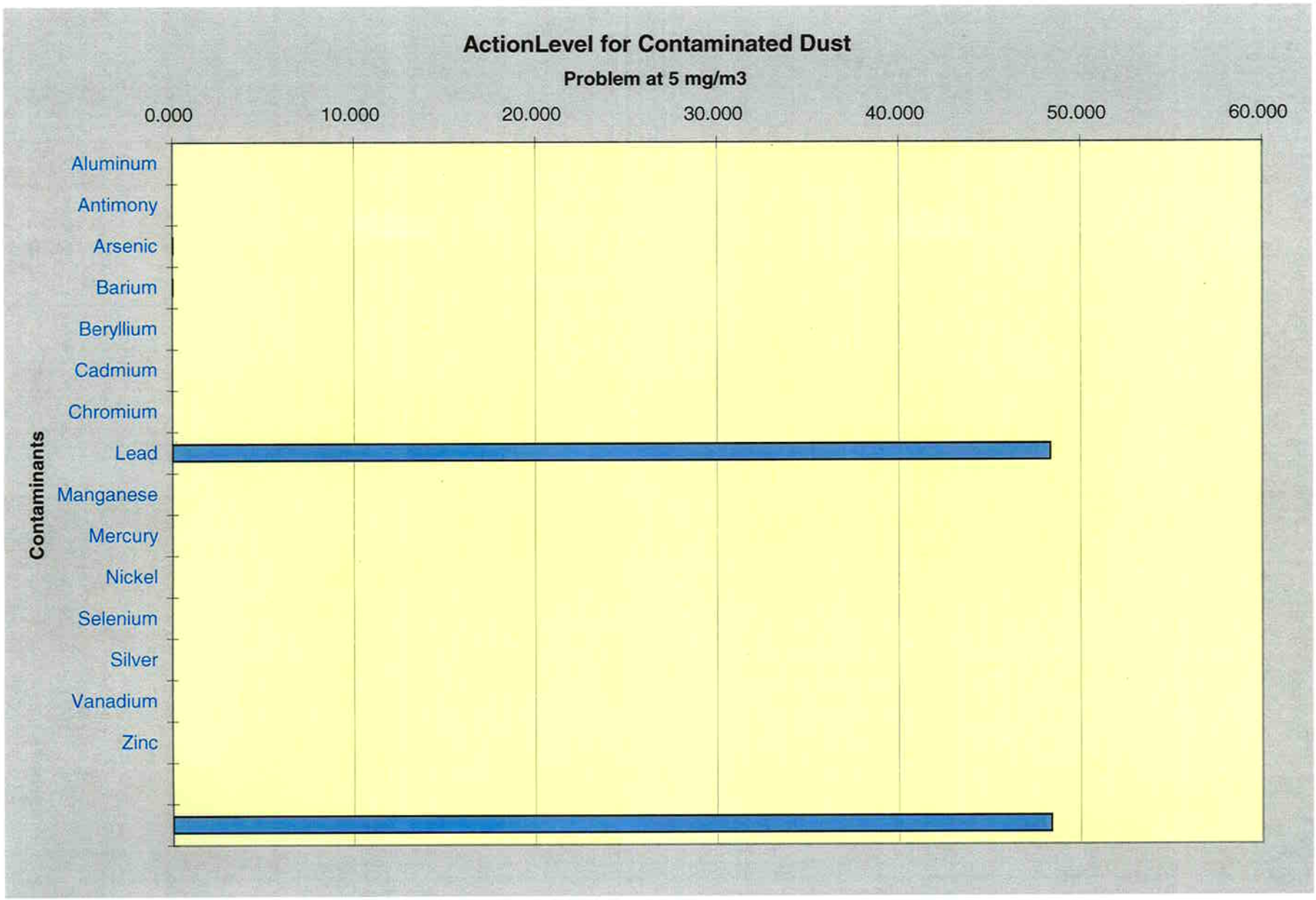

ActionLevel for Contaminated Dust
Problem at 5 mg/m3
0.000
2.000
4.000
6.000
8.000
10.000
12.000
14.000
16.000
Contaminants
Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Vanadium
Zinc

Keith
Area 3

DUST EXPOSURE CALCULATION WORKSHEET

Safety Factor for this site = 1

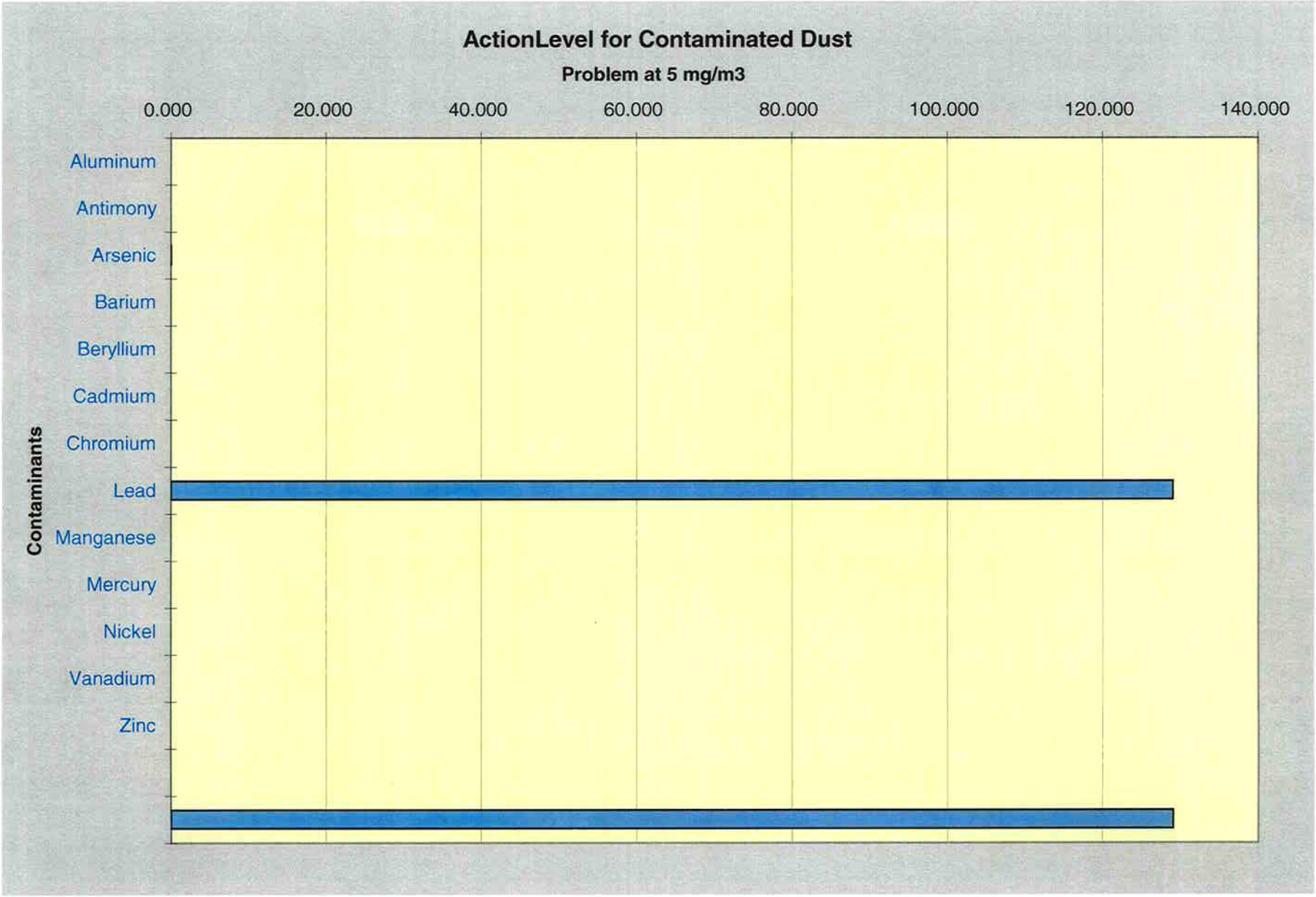
Chemical	Exposure Limit (mg/m3)	Maximum Soil Concentration (mg/kg)	Exposure Limit Based on ngle Compound EL Mix, mg/m3)	Dust Quotient for ach Compound (level/limit)
Aluminum	5	1.E-9	5.E+15	2.00E-10
Antimony	0.5	1.E-9	5.E+14	2.00E-09
Arsenic	0.01	38	263.16	3.80E+03
Barium	0.5	749	667.56	1.50E+03
Beryllium	0.002	2	1,000.	1.00E+03
Cadmium	0.005	3	1,666.67	6.00E+02
Chromium	0.5	40	1.25E+4	8.00E+01
Lead	0.0015	14,500	.1	9.67E+06
Manganese	1	1.E-9	1.E+15	1.00E-09
Mercury	0.05	1	5.E+4	2.00E+01
Nickel	1	72	1.39E+4	7.20E+01
Selenium	0.2	7	2.86E+4	3.50E+01
Silver	0.01	2	5,000.	2.00E+02
Vanadium	0.05	55	909.09	1.10E+03
Zinc	5	1,240	4,032.26	2.48E+02
			Sum	9.68E+06
Dust Exposure Level at Mixture PEL =			0.103	


ActionLevel for Contaminated Dust
Problem at 5 mg/m3
0.000
10.000
20.000
30.000
40.000
50.000
60.000
Contaminants
Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Lead
Manganese
Mercury
Nickel
Selenium
Silver
Vanadium
Zinc

KJHS DUST EXPOSURE CALCULATION WORKSHEET

Area 5 Safety Factor for this site = 1

Chemical	Exposure Limit (mg/m3)	Maximum Soil Concentration (mg/kg)	Exposure Limit Based on ngle Compound EL Mix, mg/m3)	Dust Quotient for ach Compound (level/limit)
Aluminum	5	1.E-9	5.E+15	2.00E-10
Antimony	0.5	99	5,050.51	1.98E+02
Arsenic	0.01	40	250.	4.00E+03
Barium	0.5	842	593.82	1.68E+03
Beryllium	0.002	1	2,000.	5.00E+02
Cadmium	0.005	2	3,333.33	3.00E+02
Chromium	0.5	117	4,273.5	2.34E+02
Lead	0.0015	38,705	.04	2.58E+07
Manganese	1	1.E-9	1.E+15	1.00E-09
Mercury	0.05	1	5.E+4	2.00E+01
Nickel	1	454	2,202.64	4.54E+02
Vanadium	0.05	54	925.93	1.08E+03
Zinc	5	2,220	2,252.25	4.44E+02
			Sum	2.58E+07
Dust Exposure Level at Mixture PEL =			0.039	

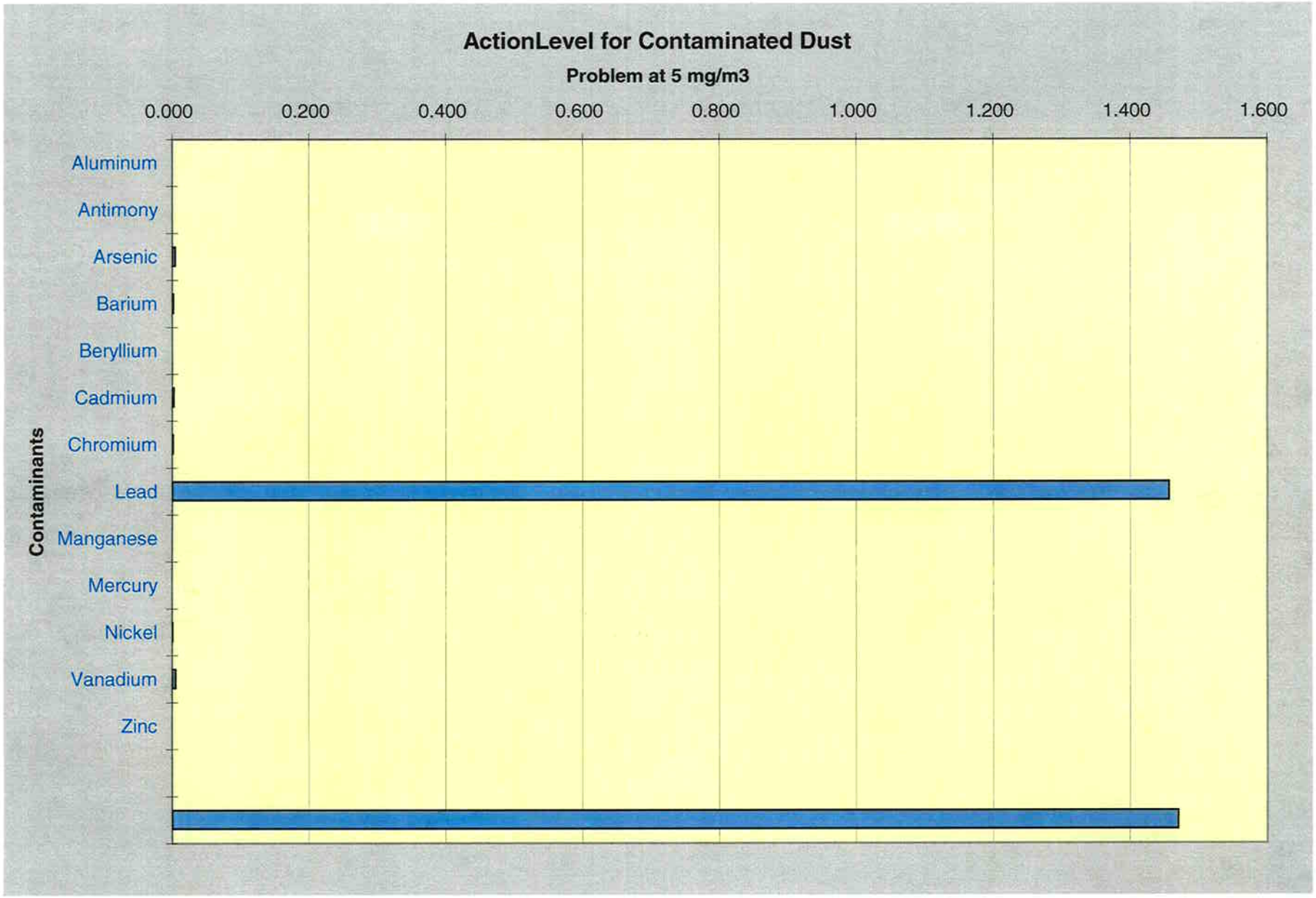

ActionLevel for Contaminated Dust
Problem at 5 mg/m3
0.000
20.000
40.000
60.000
80.000
100.000
120.000
140.000
Contaminants
Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Lead
Manganese
Mercury
Nickel
Vanadium
Zinc

KJHS
Area 6

DUST EXPOSURE CALCULATION WORKSHEET

Safety Factor for this site = 1

Chemical	Exposure Limit (mg/m3)	Maximum Soil Concentration (mg/kg)	Exposure Limit Based on ngle Compound EL Mix, mg/m3)	Dust Quotient for ach Compound (level/limit)
Aluminum	5	1.E-9	5.E+15	2.00E-10
Antimony	0.5	1.E-9	5.E+14	2.00E-09
Arsenic	0.01	8	1,250.	8.00E+02
Barium	0.5	126	3,968.25	2.52E+02
Beryllium	0.002	1.E-9	2.E+12	5.00E-07
Cadmium	0.005	2	2,500.	4.00E+02
Chromium	0.5	116	4,310.34	2.32E+02
Lead	0.0015	437	3.43	2.91E+05
Manganese	1	1.E-9	1.E+15	1.00E-09
Mercury	0.05	1	5.E+4	2.00E+01
Nickel	1	49	2.04E+4	4.90E+01
Vanadium	0.05	46	1,086.96	9.20E+02
Zinc	5	47	1.06E+5	9.40E+00
			Sum	2.94E+05
Dust Exposure Level at Mixture PEL =			3.401	

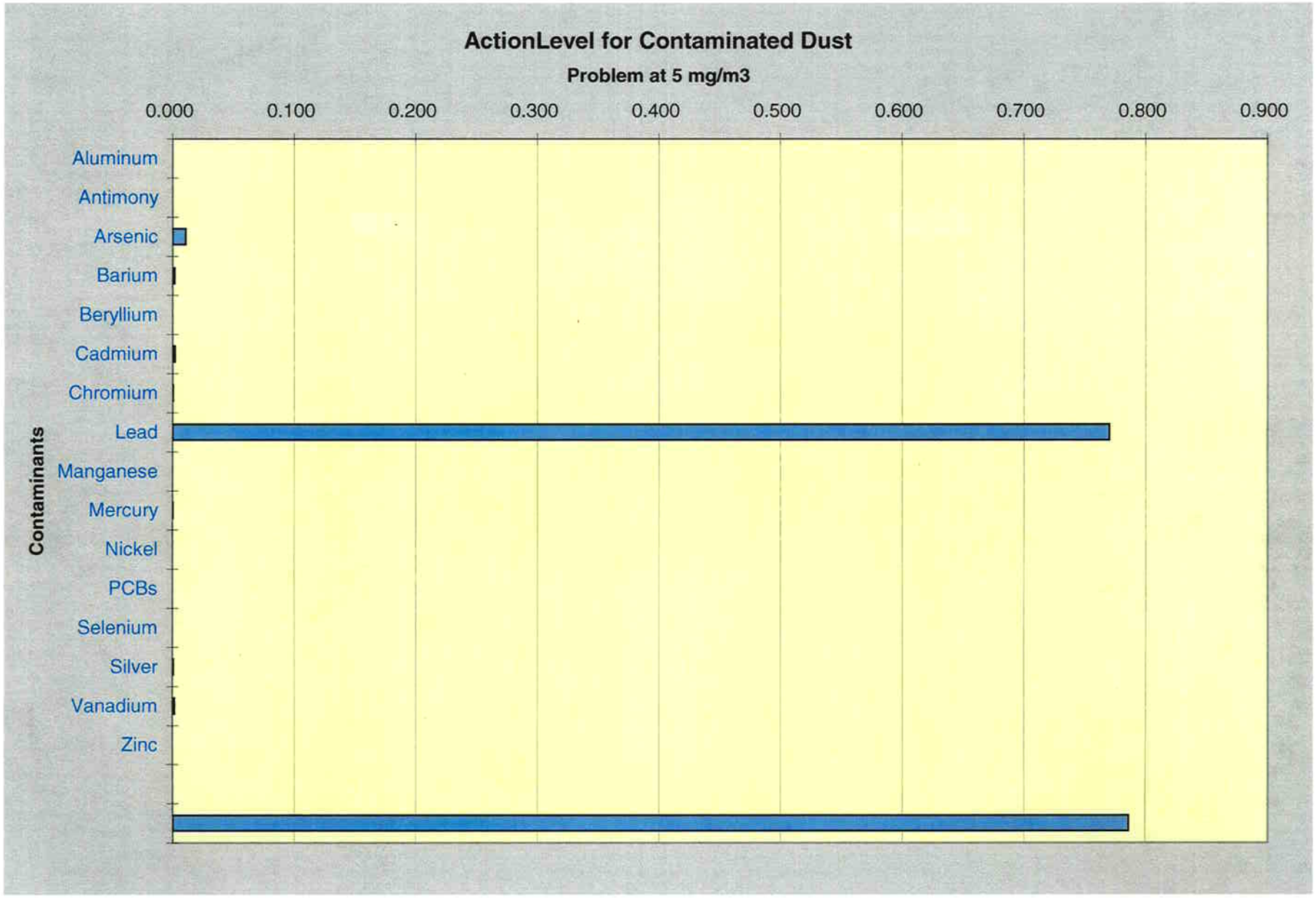

ActionLevel for Contaminated Dust
Problem at 5 mg/m3
0.000
0.200
0.400
0.600
0.800
1.000
1.200
1.400
1.600
Contaminants
Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Lead
Manganese
Mercury
Nickel
Vanadium
Zinc

KJHS
Area 7

DUST EXPOSURE CALCULATION WORKSHEET

Safety Factor for this site = 1

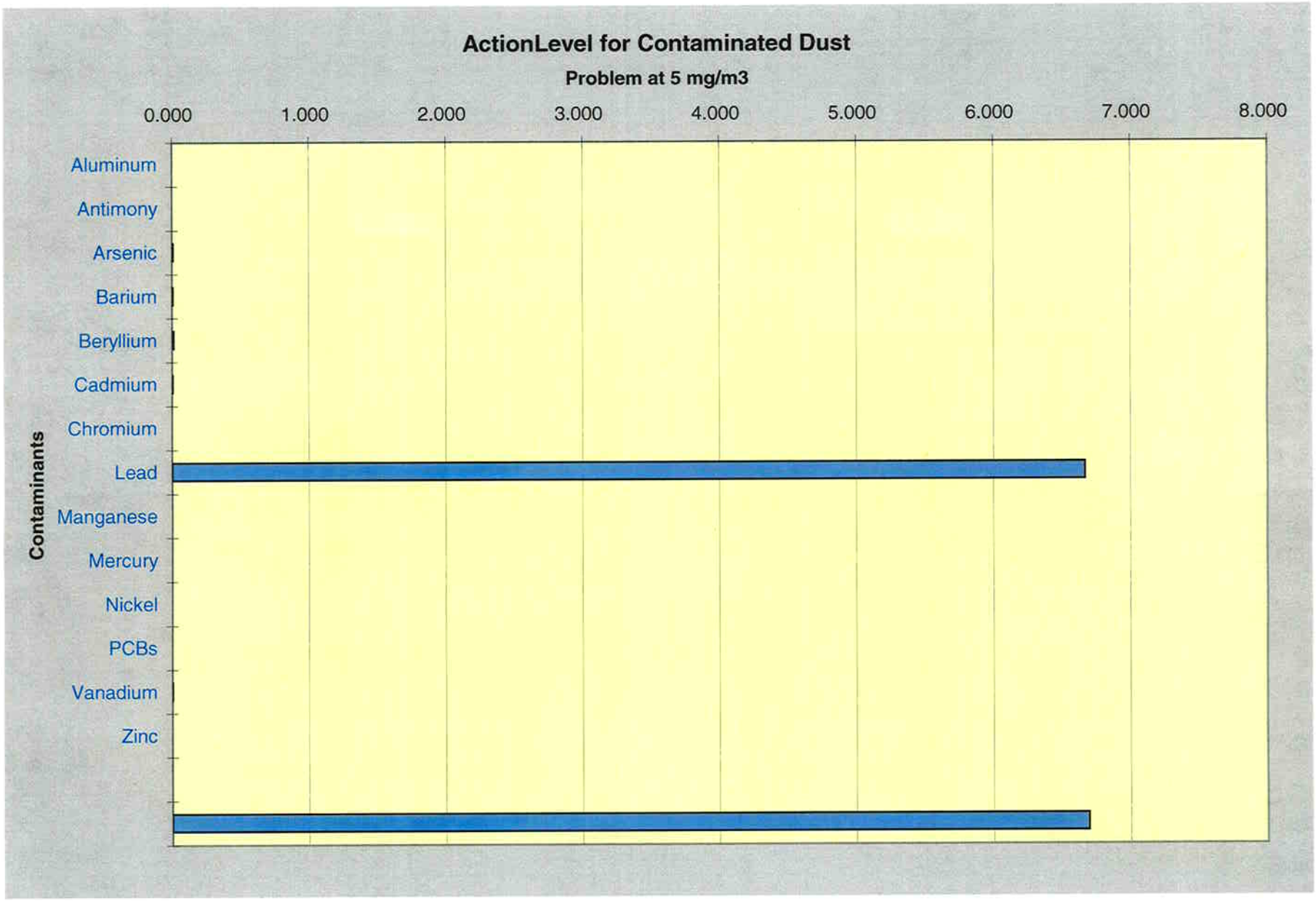
Chemical	Exposure Limit (mg/m3)	Maximum Soil Concentration (mg/kg)	Exposure Limit Based on ngle Compound EL Mix, mg/m3)	Dust Quotient for ach Compound (level/limit)
Aluminum	5	1.E-9	5.E+15	2.00E-10
Antimony	0.5	1.E-9	5.E+14	2.00E-09
Arsenic	0.01	21	476.19	2.10E+03
Barium	0.5	156	3,205.13	3.12E+02
Beryllium	0.002	1.E-9	2.E+12	5.00E-07
Cadmium	0.005	2	2,777.78	3.60E+02
Chromium	0.5	16	3.13E+4	3.20E+01
Lead	0.0015	231	6.49	1.54E+05
Manganese	1	1.E-9	1.E+15	1.00E-09
Mercury	0.05	1	5.E+4	2.00E+01
Nickel	1	7	1.43E+5	7.00E+00
PCBs	0.2	1	2.E+5	5.00E+00
Selenium	0.2	1	2.E+5	5.00E+00
Silver	0.01	1	10,000.	1.00E+02
Vanadium	0.05	15	3,333.33	3.00E+02
Zinc	5	79	6.33E+4	1.58E+01
			Sum	1.57E+05
Dust Exposure Level at Mixture PEL =			6.359	


ActionLevel for Contaminated Dust
Problem at 5 mg/m3
0.000
0.100
0.200
0.300
0.400
0.500
0.600
0.700
0.800
0.900
Contaminants
Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Lead
Manganese
Mercury
Nickel
PCBs
Selenium
Silver
Vanadium
Zinc

KJHS DUST EXPOSURE CALCULATION WORKSHEET

Area 8 Safety Factor for this site = 1

Chemical	Exposure Limit (mg/m3)	Maximum Soil Concentration (mg/kg)	Exposure Limit Based on ngle Compound EL Mix, mg/m3)	Dust Quotient for ach Compound (level/limit)
Aluminum	5	1.E-9	5.E+15	2.00E-10
Antimony	0.5	1.E-9	5.E+14	2.00E-09
Arsenic	0.01	13	769.23	1.30E+03
Barium	0.5	462	1,082.25	9.24E+02
Beryllium	0.002	4	500.	2.00E+03
Cadmium	0.005	4	1,250.	8.00E+02
Chromium	0.5	1.E-9	5.E+14	2.00E-09
Lead	0.0015	2,000	.75	1.33E+06
Manganese	1	1.E-9	1.E+15	1.00E-09
Mercury	0.05	2	2.5E+4	4.00E+01
Nickel	1	15	6.67E+4	1.50E+01
PCBs	0.2	2	1.E+5	1.00E+01
Vanadium	0.05	25	2,000.	5.00E+02
Zinc	5	617	8,103.73	1.23E+02
			Sum	1.34E+06
Dust Exposure Level at Mixture PEL =			0.747	


ActionLevel for Contaminated Dust
Problem at 5 mg/m3
0.000
1.000
2.000
3.000
4.000
5.000
6.000
7.000
8.000
Contaminants
Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Lead
Manganese
Mercury
Nickel
PCBs
Vanadium
Zinc

APPENDIX G

SOIL AND GROUNDWATER MANAGEMENT PLAN

SOIL AND GROUNDWATER MANAGEMENT PLAN

New Andrea McCoy Field (Former Keith Junior High School) Soil Removal and Groundwater Management in Support of Risk Reduction and Construction

Prepared for:

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

Prepared by:

TRC
Wannalancit Mills
650 Suffolk Street
Lowell, Massachusetts 01854

April 2009

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FIGURES

Figure 1 Site Locus Plan
Figure 2 Analytical Results Summary Map
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APPENDICES

Appendix A Soil Boring and Well Logs
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1.0 INTRODUCTION

The City of New Bedford Massachusetts intends to procure the services of a Contractor (the "Contractor") to construct/install the New Andrea McCoy Field Athletic Complex at the former Keith Junior High School (KJHS) at 70 Hathaway Boulevard in New Bedford, Massachusetts (the "Site", see Figure 1). The construction activities will be conducted pursuant to the Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) and will include, but may not be limited to, excavation, on-site stockpiling, grading and replacement of soil at the Site. The soil associated with excavation activities potentially contains concentrations of polynuclear aromatic hydrocarbons (PAHs) and heavy metals above MCP Method 1 S-1 soil cleanup levels. Figure 2 summarizes the soil quality on a map. Figure 3 illustrates areas of excavation. Tables 1 through 6 provide soil and groundwater analytical data collected during pre-characterization investigation work. Soil boring and well construction diagrams can be reviewed in Appendix A. Also copies of the architectural plans and sketches are provided in Appendix B. Appendix C contains copies of laboratory data sheets.

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

1.1 Contact Information

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

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

The Owner's LSP for this project is:

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

1.2 Roles and Responsibilities

The Owner will procure the services of a Contractor to complete the construction activities necessary for the construction of the New Andrea McCoy Field Athletic Complex at the Site. Specifically, the Contractor will furnish all labor, equipment and materials required to complete the work in accordance with the contract documents including soil excavation, stockpiling, dust control, and off-Site transportation and disposal of soil from the Site. The Contractor will also be responsible for obtaining all necessary Federal, state and local permits required for this work (e.g., Dig-Safe and other necessary permits that may be required by the City of New Bedford).

The Contractor will not be responsible for obtaining approval from MassDEP Bureau of Waste Site Cleanup (BWSC), as required by the MCP at 310 CMR 40.0443, to implement this work. Such approval will be obtained by the LSP by submitting a Release Abatement Measure (RAM) to MassDEP describing the planned construction activities. Under a separate contract/authorization, the LSP and/or the LSP's designee (hereafter referred to collectively as "the LSP") will be responsible for obtaining regulatory approval under the MCP to implement the proposed construction activities. The LSP will periodically inspect the construction activities to ensure consistency with the RAM, this SGMP document and applicable MCP and MassDEP policies. Specifically, the LSP's role will include, but may not be limited to, inspection and oversight of soil excavation, soil sampling, stockpiling, loading, off-Site transportation and decontamination activities, and submittal of requisite reports required by the MCP to document these activities. The LSP will also collect any samples required to pre-characterize excavation area soils and characterize soil for off-Site disposal, and will provide the required laboratory analyses of these samples.

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

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

1.3 Existing Site Conditions

The Site is currently vacant consisting of grass areas, paved walkways, and a parking lot. The Site gently slopes from southwest to northeast. It was previously occupied by the former Keith Junior High School. Remnants of the former school footprint are currently covered and replaced with fill materials.

1.4 Regulatory Requirements

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

1.4.1 Release Abatement Measure (310 CMR 40.0440) & Utility-related Abatement Measure (310 CMR 40.0460)

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

Utility related excavation activities specifically involving the installation of a three-inch force main and two water supply lines will be conducted under Utility-related Abatement Measures (URAM). A URAM will be prepared by the LSP and will be submitted under separate cover to MassDEP prior to initiating excavation activities. The soil management procedures outlined in Section 2.0 of this document will set forth soil management activities related to the URAM. Throughout the course of the construction activities, the LSP may also prepare URAM Status Reports and Completion Reports for submission to DEP as required by the MCP.

1.4.2 Management Procedures for Remediation Waste (310 CMR 40.0030)

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

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

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

1.4.4 Construction of Buildings in Contaminated Areas – January 2000 (WSC-00-425)

This policy clarifies existing regulatory requirements applicable to building construction areas that have been contaminated by a release of oil and/or hazardous material ("contaminated areas"). This clarification concerns, and is limited to, the jurisdiction and application of 310 CMR 40.0000 (MCP) to construction projects in contaminated areas.

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

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

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

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

1.4.7 Hazardous Waste Manifest

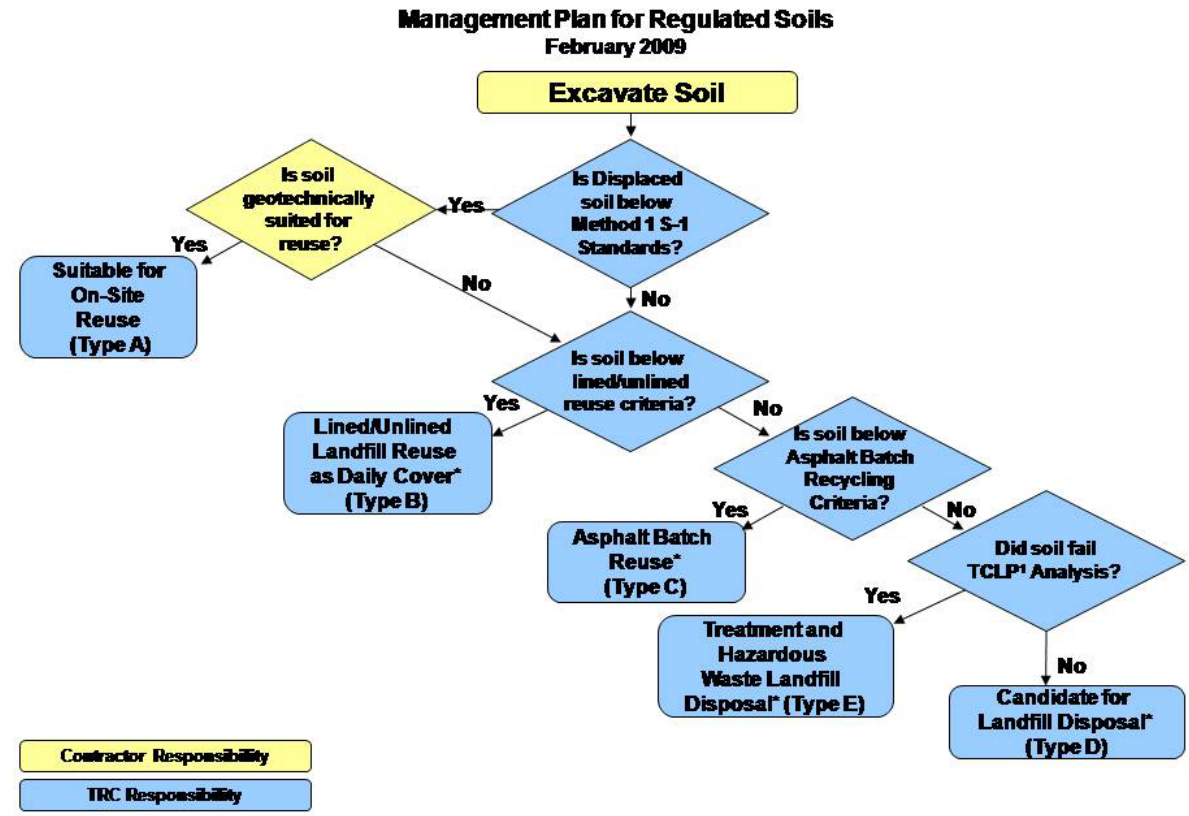
A Hazardous Waste Manifest is a MassDEP-approved form used to track the origin, quantity, composition, transportation and final destination of hazardous waste. Hazardous Waste Manifests should be utilized for shipping of any wastes subject to the Massachusetts Hazardous Waste Regulations (310 CMR 30.000).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

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

2.0 EXCAVATION OVERSIGHT

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

Soil management options for the McCoy Field construction project will include on-site reuse; offsite reuse/recycling; disposal at an approved and appropriately licensed non-hazardous waste, lined or unlined landfills; and disposal at an approved and appropriately licensed hazardous waste landfill. The determination of the reuse, recycling, or disposal option for soils from different portions of the excavation will consider physical and chemical characteristics of the soil and the reuse capacity within the construction project, as shown in the following figure:



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

Soil may be returned to the approximate location from which it came (i.e., structure footing excavation) providing that it is chemically and geotechnically suitable for reuse as backfill. The geotechnical suitability will be determined by the construction Contractor and/or project Architect/Engineer. Chemical suitability will be determined by the LSP. Soil that is suitable for

on-site reuse may be returned directly to the excavation or stockpiled for later reuse in a nearby location. Soil that has been deemed unsuitable for reuse on-site will be segregated and stockpiled for off-site management (off-site reuse and/or disposal).

Significant efforts have been made by the project architects to avoid excavation in known areas of ash-bearing and/or anthropogenic fill. However, certain areas of excavation activities may require supplemental soil sampling due to insufficient soil disposal data for that particular area.

There are several target areas (Area 1 through Area 8) that include areas of known soil contamination that will be excavated as part of this SGMP. These areas are identified on Figure 3. Table 4 summarizes these excavation areas. Non-impacted soil above depths of known contamination will be removed and placed in a temporary stockpile. Once a predetermined depth, set forth by the LSP (or LSP representative), has been achieved; impacted soils will then be removed and placed in separate stockpiles based on soil type discussed herein pending final soil management decisions regarding reuse, recycling, and/or disposal. The non-impacted soil temporarily removed will then be placed in the excavation to supplement the removed impacted soil. Clean fill material will then be placed in the excavation to be completed to grade. Compaction requirements will be dictated by others.

2.1 Soil Classification

Excavated soil will be classified by the following criteria. If the criteria are not in agreement, then the classification will be made based on the highest ranked factor.

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

Analytical results from pre-characterization activities (Tables 2 and 3) have determined that most of the soil in the proposed construction areas do not exceed S-1/GW-2/GW-3 criteria and is likely suitable for on-site or off-site reuse, provided the requirements listed above are met. Figure 3 identifies those zones in the proposed construction project where soil has been deemed suitable and unsuitable for reuse as backfill in the excavation.

Excavated soil will be segregated into one of the following classifications:

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

- Type D – Non-hazardous waste landfill disposal (chemically unsuited for on or off-site reuse, and off-site recycling); and
- Type E – Soil requiring segregation and off-site treatment prior to disposal as a hazardous waste.

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

Type A soils have been pre-characterized as suitable for on-site reuse. If these soils are not needed for reuse as excavation backfill, they can be transported offsite for reuse as cover material at lined or unlined landfill facility. On-site reuse will generally be restricted to the location from which the soils were excavated due to MCP anti-degradation policy or limitations related to disposal site boundaries. Topsoil (loam), including sod, is identified in this category.

Type B soils have been pre-characterized as unsuitable for on-site reuse or the soil may be geotechnically unsuitable for on-site reuse as deemed by the Contractor. These soils can be transported offsite for reuse as cover material at a lined or unlined landfill facility (depending upon acceptance criteria comparisons).

Type B soils have also been pre-characterized as unsuitable for reuse on-site. If these soils indicate concentrations below their applicable off-site facility acceptance criteria, they will be segregated and transported offsite for re-use at a lined or unlined landfill facility.

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

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

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

2.2 Storm Water Pollution Prevention Plan (SWPPP) Monitoring

Monitoring of the effectiveness of storm water pollution prevention implementations performed by the Contractor will be conducted by others.

2.3 Directional Drilling/Water Lines

The Contractor will install off-site utilities (3-inch force main and water supply lines) using directional drilling methods to minimize disruptions along Hunters Street and Hathaway Boulevard in the area of New Bedford High School. Drilling fluid (mixture of water and bentonite will be mixed on-site and implemented to ease drilling by enhancing bit cutting and

reducing borehole friction as well as increasing borehole stability. No drill cuttings are anticipated at this time. Subsurface tracking of the drill bit will be conducted by using a "walkover tracking system" and ground penetrating radar (GPR) to minimize damage to subsurface utilities.

Small excavations will need to be advanced at certain points along the directional drilling path to install storm drain manholes and pipeline connection points. Soil excavated as part of these activities will be in accordance with the site URAM. Impacted soils will be placed on polyethylene sheeting in separate stockpiles pending completion of drilling activities. Fill and impacted soil will be returned to the excavation first. Clean surficial soil will be segregated for back filling the excavation to grade.

Water lines installed to service the new building will also be covered by the URAM. As with the directional filling access pits, water line excavations will be backfilled with segregated surficial soil used to top off the excavations.

3.0 ON-SITE SOIL MANAGEMENT

3.1 On-Site Stockpile Disposition

The stockpiles on-site will be staged on polyethylene sheeting (minimum 6-mil thickness) and covered with sheeting at all times with exception of periods when adding or removing soil to or from the piles. The stockpiles should be designed such that storm water runoff does not impact the soil and any water draining from the soil does not migrate from the polyethylene sheeting to the ground surface. The stockpiles shall be inspected and estimates of total volumes made on a daily basis.

Type A soils maintained on-site will need to be segregated by excavation location pending reuse. The physical layout of the soils at the Site will be determined by the Contractor and TRC. Signage differentiating between the different types will be posted at each pile and be of sufficient size and type to be easily identified from excavation equipment (i.e., excavator, front-end loader, etc.).

3.2 Off-Site Reuse, Recycling and/or Disposal

Excavated soil that will be transported from the Site will be characterized as appropriate for off-site disposal at a suitable facility. Several suitable off-site facilities are being considered, but the facility locations have not been finalized. Existing soil sample results (see Tables 1 through 3) will be used for off-site disposal characterization to the extent possible. The existing Site data will be supplemented as necessary to satisfy facility-specific acceptance criteria. Tables 5-1 through 5-8 compare contaminated soil data against Massachusetts reuse, recycle, and disposal criteria in accordance to MassDEP Policy# COMM-97-001 and Interim Policy #WSC-94-400.

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

3.3 Decontamination of Vehicles Transporting Soils

Soils and mud will be removed from vehicles prior to their departure from the Site. A decontamination pad will be constructed by the Contractor prior to soil removal activities. The method of soil removal will likely be a combination of brushing the wheels to remove loose soils and/or passing vehicles through a decontamination station. Any liquids generated by vehicle decontamination will be drummed and transported off-site for disposal.

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

3.4 Supplementary Stockpile Characterization

Prior to transport and disposal of stockpiled soils, soils stockpiled for disposal will be evaluated to determine whether sufficient analytical data is available to satisfy the requirements of the

selected disposal or recycling facility. As deemed necessary, soil samples will be collected and analyzed according to the analytes and the sampling frequency specified by the selected disposal facility.

4.0 EXCAVATION DEWATERING

The Contractor will be responsible for dewatering at the Site to facilitate the installation of structures associated with the new McCoy Field complex, if so required. Currently, the need for extensive dewatering has not been identified by the architects.

In the event dewatering is required, groundwater extracted during excavation dewatering may be a) discharged directly to surface or subsurface, b) treated to meet surface water discharge standards and discharged to a storm drain system, or c) sent off site for disposal. Any discharge of treated groundwater to a storm drain system will be in accordance with a Remediation General Permit (RGP) that is to be approved by the Environmental Protection Agency (EPA). The Contractor is to ensure that dewatering is conducted in compliance with the project work scope, potential RGP, and MCP. Recent groundwater analytical data are summarized in Table 6.

4.1 Discharge to Surface or Subsurface and/or Groundwater

To the extent possible, groundwater extracted during dewatering will be treated to remove any potential sheen, product, or sediment encountered during dewatering prior to discharging back to another portion of the Site (preferably upgradient) in accordance with MassDEP MCP 310 CMR 40.0045. The treatment processes to remove potential sheen will be determined by the Contractor and performance of the treatment system will be spot-checked by TRC. Groundwater returned to the Site must be controlled in order to prevent flooding the ground surface, subsurface utilities or adversely impacting the geotechnical quality of completed work areas. Sediment shall be removed for all on-site dewatering discharges via the use of a fractionation tank and/or sediment bag filters.

Groundwater removed as part of dewatering activities for off-site force main installation (covered under URAM) may be returned to the ground surface or subsurface in accordance to 310 CMR 40.0045(5). Wastewater discharge must be within 100 feet of the point of removal and discharge should not negatively modify existing conditions at the Site. TRC personnel will be on-site to monitor discharge of wastewater to ground surface, subsurface, and/or groundwater in compliance with 310 CMR 40.0045(5)(b).

4.2 Groundwater Treatment Prior to Discharge to Storm Drain/RGP

Discharge of groundwater to a storm drain system or surface water is regulated under the National Pollutant Discharge Elimination System (NPDES) RGP. If this method is deemed appropriate, the Contractor shall prepare a RGP Notice of Intent (NOI) application for submittal to EPA Region I. The application will include representative groundwater data from the site and will specify anticipated flow rates and a proposed treatment system. The Contractor will be responsible for furnishing, operating, and removing the temporary treatment system.

If groundwater will be discharged to surface water via a storm drain, then a temporary groundwater treatment system will be designed and constructed to ensure that effluent discharges are in compliance with RGP discharge limits. The treatment system components have not yet been specified but are expected to consist of, but not limited to a fractionation tank/oil-water

separator, bag filters, ion exchange resin vessels, and/or activated carbon. Additional or different treatment units may be specified based on a more detailed analysis of site conditions and RGP discharge limits. For example, if groundwater sampling results indicate that the composite samples for metals exceed EPA RPG discharge limits and will require treatment prior to discharge to the storm drain system.

A RGP issued by the EPA will specify effluent limits, effluent sampling requirements, and reporting requirements. System performance will be monitored by collecting water samples as directed by the RGP and reviewing system maintenance documentation. The temporary treatment system will need to be inspected by a Grade 2 or higher Waste Water Treatment Plant Operator pursuant to 310 CMR 40.0041.

4.3 Off-Site Groundwater Treatment

Off-site groundwater treatment is available as a contingency in the event that the other options are not available or deemed not to be feasible. With this option, a transport and disposal company would be contracted to remove recovered groundwater and provide transportation to an off-site groundwater treatment facility. No liquids should leave site without a signed Hazardous Waste Manifest or Massachusetts Bill of Lading.

4.4 Disposal of Groundwater Treatment Residuals

If groundwater treatment is warranted, a licensed transport and disposal company will be contracted to remove groundwater treatment residuals including sediment, hydrocarbons, sludges, spent carbon, and spent filter media. All remediation wastes will be transported from the site with a signed Hazardous Waste Manifest or other appropriate shipping documentation. The Contractor is responsible for this task; however, TRC will be involved as this task generates a remedial waste which is managed by the MCP.

TABLES

See Tables in RAM Plan.

FIGURES

See Figures in RAM Plan.

APPENDIX A

SOIL BORING AND WELL LOGS

See Appendix A in RAM Plan.

APPENDIX B

ARCHITECT PLANS AND SKETCHES

See Appendix B in RAM Plan.

APPENDIX C

LABORATORY ANALYTICAL DATA REPORT SHEETS (TRC AND AVAILABLE BETA)

See Appendix C in RAM Plan.