RELEASE ABATEMENT MEASURE COMPLETION REPORT

Former Payne Cutlery Site
295 Phillips Avenue
New Bedford, Massachusetts
Primary Release Tracking Number 4-15373

Prepared for:

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

Prepared by:

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

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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) Completion Report in accordance with 310 CMR 40.0446 of the Massachusetts Contingency Plan (MCP). The RAM plan for this project, filed on November 24, 2009, addressed activities associated with the construction of a parking lot at the southeast corner of the Former Payne Cutlery Site, near the intersection of Coffin Avenue and Oneko Lane in New Bedford, Massachusetts. The RAM plan also included plans for assessment of current Site conditions through groundwater sampling from existing monitoring wells on and near the Site, pre-construction soil sampling, and indoor air sampling in the Taber Mill apartment complex immediately south of the Site. The purpose of this RAM Completion Report is to document the construction related RAM activities in support of the parking lot construction. A Site location map is presented in Figure 1. The general Site layout, including the location of the parking lot, is presented in Figure 2. The construction activities included the excavation of soil is the parking lot area and related grading to achieve proper grades, with deeper excavations for drainage catch basins and drain pipe installation. A copy of the City of New Bedford's Parking Lot Design is included in Appendix A.

Two Massachusetts Department of Environmental Protection (MassDEP) Release Tracking Numbers (RTNs) are associated with the Site. The first RTN (4-404) is associated with a reported release of petroleum-based oil in April 1987 prior to the establishment of the 1993 MCP revisions. This property was previously categorized as a *Transition Site* pursuant to the pre-1993 MCP. The second RTN 4-15373 is associated with a reported release of trichloroethene (TCE) in February 2001 that led to the performance of an Immediate Response Action (IRA) at the Site under the MCP. The two RTNs associated with the Site will be linked in a suitable future submittal.

A copy of the Bureau of Waste Site Cleanup (BWSC) Release Abatement Measure transmittal form (BWSC-106) was submitted concurrently with this report to MassDEP via eDEP.

The site owner and Licensed Site Professional (LSP) contact information is as follows:

Site Owner:	City of New Bedford 133 William Street New Bedford, MA 02740 Contact: Ms. Michele Paul (508) 979-1487
Licensed Site Professional:	David M. Sullivan, LSP LSP License Number: 1488 TRC Environmental Corporation Wannalancit Mills 650 Suffolk Street Lowell, Massachusetts 01854 (978) 656-3565

2.0 SITE INFORMATION

2.1 Site Description

Prior to the RAM activities described herein, the Site consists of a vacant 3.3-acre parcel located in an industrial and residential area of New Bedford, Massachusetts. A 100,000 square-foot one-to-two story brick building formerly occupied the Site until the building was demolished in September/October 2000. Following demolition, the Site was vacant with no structures and was surrounded by a chain-link fence. The Site is relatively flat with a slight downward slope in a southerly direction. The Site is reportedly covered by a fill layer two-to-four feet thick containing asphalt, brick and concrete demolition debris from the former structures on the Site (Cygnus, 2001a). A Site location map is presented in Figure 1. The general Site layout is presented in Figure 2, which identifies the area of construction activities.

The Site has a long history of industrial use dating from the early 1900s when it was developed for cotton fabric milling operations. New Bedford Cotton Mills Corporation purchased the Site in 1909 and occupied the Site until 1930, when Hoosac Mills Corporation purchased the Site. Farr Instruments, Incorporated purchased the Site in 1959. Payne occupied the Site from 1963 until 1988. During this time, Site activities included the manufacture of shears and manicure implements. Manufacturing processes included cold pressing of steel, metal grinding, degreasing of metal with TCE, and chromium and nickel electroplating. After Payne filed for bankruptcy in 1988, the Site was used for a number of activities, including a hazardous materials storage business and an auto body repair facility.

2.2 Surrounding Receptors

The Site is bordered to the north by the former Elco Dress property. The Site is bordered to the west across Church Street by greenhouses owned and operated by the Sid Wainer & Son Company. The Site is bordered to the south across Coffin Street by residential homes and the Taber Mill apartment complex, which was formerly the Taber Mill textile manufacturing facility. To the east, the Site is bordered by residential homes across Oneko Lane (Figure 2).

Based on 2011 census data for New Bedford, Massachusetts (www.census.gov), the total population in New Bedford is 95,183 people. Therefore, the population density for the approximate 20 square-mile area of the City is 4,759 people per square mile, and the average population within a ½ mile radius of the Site (i.e., 0.786 mi^2) is approximately 3,741 people.

Groundwater categories at the Site include actual or potential GW-2, depending upon proximity to occupied structures, and GW-3, which applies to all groundwater throughout the Commonwealth. Based on groundwater elevation survey data obtained by others, groundwater appears to slope across the Site to the south/southeast. Depth to groundwater historically ranges from 8 to 12 feet below grade.

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, 2012).

There are no institutions, surface waters, wetlands, drinking water supplies or Areas of Critical Environmental Concern located within 500 feet of the Site.

2.3 Site and Release History

Two MassDEP RTNs are associated with the Site. The first RTN (4-404) is associated with a reported release of petroleum in April 1987 prior to the establishment of the 1993 Massachusetts Contingency Plan (MCP; 310 CMR 40.0000) revisions. The Site was previously categorized as a *Transition Site* pursuant to the pre-1993 MCP. The second RTN (4-15373) is associated with the detection of TCE in groundwater in March 2000. The Site is in Tier Classification default per 310 CMR 40.0500 for both RTNs.

2.3.1 Previous Investigation History

Chemical substances and products formerly used and stored on the Site are consistent with metal plating operations and the manufacture of rubber and plastic. Roy F. Weston, Incorporated (Weston) prepared a 21-page tabulated inventory in 1992. The inventoried materials were left over from metal plating processes or manufacture of polymers for plastic and rubber tool grips.

Previous investigations reported that one 20,000-gallon underground storage tank (UST) and one 8,500-gallon No. 4 fuel oil UST were removed from the Site in November 1962 and September 2000, respectively; however, their exact former locations are unknown. Three aboveground storage tanks (ASTs) were also identified in previous reports, including a 50-gallon heating oil tank and two ASTs of unspecified volume and contents. All tanks were removed as part of building demolition.

Two investigations in 1987 documented numerous drums. The earlier of these two investigations was performed by Mabbett, Capaccio, & Associates, Incorporated (MCA), and included a limited subsurface investigation beneath the concrete floor. MCA concluded that Site soils were impacted by TCE, chromium, nickel, lead, petroleum products, and acid (based on low pH readings). MCA indicated the potential for groundwater impacts. MCA also noted several leaks in the roof of the building.

In September 1987, GHR Engineering Associates (GHR) documented soil boring and well installation activities at the subject site. GHR reported the presence of TCE and nickel in subsurface soil. TCE was detected above current Method 1 soil cleanup standards. GHR also analyzed for the presence of polychlorinated biphenyls (PCBs) in soil; PCBs were only detected in one sample, at 1.44 mg/kg, which is below current applicable MCP Method 1 soil cleanup standards. GHR detected copper, thallium, antimony, nickel, TCE, tetrachloroethene (PCE), and chloroform in groundwater. TCE, PCE, and nickel were detected above the current Method 1 groundwater cleanup standards.

During the 1990s, the Site building fell into further disrepair. In 1992, prompted by City of New Bedford Fire Department requests, MassDEP made a request to the EPA for assistance in stabilizing site conditions. On August 20, 1992, EPA began an investigation and removed

chemical substances and products from the Site. The investigation named Joseph F. Oliveira (owner), A-1 Storage, Incorporated, Nu-Traffic, Incorporated, Erie Chemical Sales, and Payne Cutlery Corporation as respondents compelled to perform removal activities. On September 16, 1992, an inventory was conducted by EPA. The inventory indicated approximately 4,900 55-gallon drums, packages and variously sized containers. The containers were reportedly in varying states of deterioration, including some leaking and overturned drums. EPA supervised a two-part removal of materials from the Site from November 3, 1992 until the completion of the removal on July 20, 1993. The first part of the removal was funded by EPA and included removal of the materials associated with Payne Cutlery operations. Following this removal, Erie Chemical Sales, as part of its agreement with EPA, completed the removal of materials associated with its operations at the Site.

In February 2000, Cygnus Group, Incorporated (CGI) commenced a subsurface investigation at the Site funded by an EPA Brownfields Pilot Grant. CGI identified TCE impacts in Site soil and groundwater, as well as volatile and extractable petroleum hydrocarbons (VPH and EPH). TCE was detected in groundwater (in monitoring well CGW-8) at concentrations of 89,000 micrograms per liter (ug/L) upgradient of residential buildings (e.g., Taber Mill). The City undertook an IRA per 310 CMR 40.0313(4) following reporting by CGI on March 13, 2000.

As a result of these data and the proximity to occupied residences, indoor air quality samples were taken in downgradient homes on March 27 and 29, 2000. A second round of indoor air quality sampling was conducted between March 27 and June 15, 2001 in select residences on Coffin Street (including Taber Mill). TCE and petroleum constituents were detected in several residences at concentrations greater than MassDEP Residential Threshold Values (TVs).

MassDEP used the CGI air monitoring data to conduct an Imminent Hazard analysis and concluded that no conditions required immediate actions to protect the health and safety of the public. MassDEP recommended further investigation.

In March 2000, the City of New Bedford took possession of the Site for tax purposes. In May, 2000 Vanesse Hangen Brustlin (VHB), the general contractor for the building demolition, removed additional contents of the building, reportedly disposed of as hazardous waste. Between March 27 and June 15, 2001, CGI conducted additional subsurface investigation of the Site, including the installation of seven new monitoring wells. Soil and groundwater samples were collected for analysis from these well locations. Results indicated the presence of TCE, VPH, and EPH constituents in excess of MassDEP MCP Method 1 GW-2 and/or GW-3 groundwater standards.

CGI soil sampling results indicate the presence of polyaromatic hydrocarbons (PAHs) and TCE above MCP Method 1 soil cleanup standards. PAHs detected in excess of the aforementioned standards include benzo(a)anthracene (BAA), chrysene, benzo(b)fluoranthene (BBF), benzo(a)pyrene (BAP), indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene. Future sampling was proposed by CGI in the August 30, 2001 IRA Status Report No. 2; however, the proposed work was not conducted.

In 2010, the City of New Bedford constructed a parking lot over a portion of the Site. In accordance with MCP regulations and per consultation with MassDEP representatives, soil management associated with this construction project was conducted as a Release Abatement Measure (RAM) under RTN 4-15373. The RAM Plan was filed in November 2009, soil management activities were completed in the spring and summer of 2010, and RAM Status Reports were filed in March and November 2010.

3.0 RAM ACTIVITIES COMPLETED

3.1 Sampling of Backfill Material

On December 9, 2009, TRC collected two samples of gravel and granular material proposed to be used as partial backfill at the Site and submitted them for the laboratory analysis of total volatile organic compounds (VOCs), total semi-volatile organic compounds (SVOCs), MassDEP volatile petroleum hydrocarbon (VPH) and EPH, PCBs, RCRA-8 Metals, pesticides and herbicides.

Based on the analytical results, provided in Table 1, the proposed borrow material was determined to meet the requirements of MassDEP's anti-degradation policy for suitable clean backfill.

3.2 Clearing and Grubbing

On December 16, 2009, TRC monitored site preparation activities in anticipation of excavation and soil stockpiling. Workers with the City of New Bedford Department of Public Infrastructure (DPI) cleared vegetation using a mower, and staged a concrete manhole casing and two concrete catch basins onsite for the planned drain line installation.

3.3 Excavation Activities and Parking Lot Construction

On January 12, 2010 excavation began around the existing 30 inch sewer line on the southern portion of the Site. Locations for excavation were marked with stakes and spray paint by DPI's Supervising Civil Engineer utilizing survey data taken immediately prior to excavation. DPI carried out all excavation activities, including stockpiling and soil management. Excavated soil was temporarily placed on the side of the excavation during the time that pre-characterized gravel backfill was placed at the base of the excavation and the manhole and catch basin were installed. Following installation of the manhole and catch basins, the excavated soil was returned to the excavation, at approximately the same elevation as it was located prior to excavation. Soil displaced by the installation of the manhole and catch basins was transferred to a soil stockpile area. A concrete footing encountered during excavation activities was placed near the excavation area. Following completion of excavation, backfill, and stockpiling activities, the stockpile was covered with 6-mil thick polyethylene sheeting and secured. Entrance gates to the Site were locked daily upon leaving the Site to control unauthorized entry and contact with stored materials by trespassers.

DPI conducted excavation activities for the installation of a catch basin east-northeast of the Site on January 13, 2010. The same excavator was used and excavated soils were temporarily placed on the side of the excavation and returned after partial backfilling with gravel backfill and installation of the catch basin. Displaced soils were loaded by the excavator into a truck and dumped in the stockpile area in a separate pile than the previously excavated soils. Two concrete footings were encountered during excavation and placed near the excavation. DPI then began uncovering the catch basin installed on January 12, 2010 to begin installation of pipes connecting the two catch basins. Work was suspended shortly after beginning excavation due to the

detection of VOCs in the vicinity of the excavation via the field PID in excess of VOC air monitoring action levels set forth in Section 6.3 of TRC's November 2009 RAM Plan (TRC, 2009). More detailed information regarding monitoring of dust and VOCs can be found in Section 4.1.1 – *Investigatory and Monitoring Data* below.

On January 19, 2010, excavation resumed. Due to the elevated levels of VOCs detected previously during excavation activities, TRC and DPI personnel donned Level C Personal Protective Equipment (PPE) and two DPI crewmembers working within the excavated area donned Level B PPE with a supplied air respirator. Soil was excavated to allow DPI access to the manhole and catch basin installed on January 12, 2010. Excavation then continued from the western catch basin to the eastern catch basin to install storm drain piping. Excavated soils were placed on polyethylene sheeting on the edge of the excavation trench and replaced following pipe installation and partial gravel backfill. Several foundation footings were encountered, removed, and placed with the concrete footings encountered on January 12 and 13, 2010. No displaced soils were generated during this excavation, and a small amount of stockpiled soil was used to backfill the western catch basin. The polyethylene sheeting used to temporarily secure soil at the edge of the excavated trench was placed in the soil stockpile and the stockpile was covered with 6-mil-thick polyethylene sheeting and secured with tires.

On February 9, 2010, TRC returned to the Site to collect a characterization sample (SPL-1) from the displaced soils stockpile. Laboratory results of the stockpiled soil are provided in Table 2.

In April through July of 2010, workers with the City of New Bedford DPI constructed the proposed parking lot on Site. Activities included removal of vegetation and grading of surface soils, temporary stockpiling of displaced soils on polyethylene and associated stockpile management, installation of a granite curb, paving with bituminous asphalt, installation of a new sidewalk on Coffin Avenue, cutting down monitoring well casing and risers to the final grade of the parking lot, reinstallation of new road box covers for the wells, and installation of a black metal chain-link fence surrounding the parking lot. The parking lot was constructed above local grade to minimize impacted soil disturbance and displacement.

3.4 Post-Excavation Soil Sampling

On April 2, 2010, a TRC field engineer collected six samples of surface soils located within the proposed footprint of the parking lot to characterize post-construction soil. The excavation was divided into six areas and a sample was taken from 0 to 0.5 feet below the excavated surface from the middle of each area. TRC submitted the samples for laboratory analysis of VOCs, PAHs, total nickel, and total chromium. The locations of the post-excavation soil samples are shown on Figure 3.

3.5 Groundwater and Indoor Air Sampling

In order to assess current site conditions, seven existing and four new groundwater monitoring wells were sampled, and indoor air samples were collected at the Taber Mill apartment complex. All groundwater and indoor air samples, and associated QA/QC samples were taken in

accordance with the EPA-approved Quality Assurance Project Plan (QAPP) Addendum NB-G dated March 6, 2012.

3.5.1 Monitoring Well Installation and Groundwater Sampling

On March 23, 2012, four new monitoring wells (TRC-1 through TRC-4) were installed to replace monitoring wells which were destroyed or damaged, and the road boxes of two existing monitoring wells (CGW-8 and CGW-16) were repaired. New and existing monitoring well locations are depicted on Figure 4.

New monitoring wells were installed using direct-push drilling methods. The four monitoring wells were constructed of two-inch outside diameter PVC riser pipe with a 10-slot (0.010-inch machine slotted) screen spanning the surface of the groundwater table, as observed during drilling activities, to depths of between 14 and 15 feet below ground surface. The screened interval was surrounded by a filter pack of silica sand extending to a level approximately one to two feet above the top of the screen. Up to two feet of granular bentonite was installed above the sand pack to create a seal. Any remaining space in the annulus around the well was backfilled with native soil cuttings. The monitoring wells were completed at surface grade using flush-mount road boxes.

Continuous soil samples were collected during drilling activities using 60-inch acetate-lined macro-core sleeves. Soil samples were screened in the field for the presence of VOCs with a PID using the MassDEP jar headspace method. Soil boring logs and well construction diagrams are presented in Appendix B.

TRC developed monitoring wells TRC-1 through TRC-4 and CGW-8 and CGW-16 on March 23 and 26, 2012 using a submersible centrifugal (whale) pump to remove fine particles from around the sand pack and well screen. Wells were purged until water quality measurements stabilized. After development, monitoring wells were allowed to stabilize for a minimum period of one week before samples were collected. Development water from monitoring wells CGW-8, TRC-3, and TRC-4 was containerized on-Site in 55-gallon drums due to jar headspace readings on the purge water in excess of 10 parts per million (ppm).

TRC collected groundwater samples from the four newly-installed monitoring wells (TRC-1 through TRC-4) and seven existing monitoring wells (CGW-8, CGW-10, CGW-11, CGW-14, CGW-15, CGW-16, and CGW-17) between April 4 and 11, 2012. Groundwater sampling was conducted using adjustable rate submersible bladder pumps per EPA Region 1 Low Stress (Low Flow) guidelines. The pump was set at the approximate center of the water column, based on measured total well depth and depth to water. During purging water quality parameters were monitored and recorded using a YSI 600XL water quality meter. Parameters recorded included temperature, conductivity, pH, dissolved oxygen (DO), and oxygen reduction potential (ORP). A separate LaMotte 2020 turbidity meter was used for turbidity measurements. Groundwater samples were collected after the water quality parameters stabilized, as set forth in the EPA-approved QAPP Addendum NB-G, except at CGW-11 and CGW-17, where extremely slow recharge necessitated collection of a grab sample after purging the well dry at CGW-11, and below the pump intake at CGW-17.

3.5.2 Indoor Air Sampling

Figure 5 presents the locations of indoor air sample locations. A total of four indoor air samples and one outdoor ambient air sample were collected from the Taber Mill apartment complex on July 29, 2012. Prior to indoor air sampling, the surrounding area was inspected to evaluate other potential sources of VOCs (i.e., oil tanks, gasoline cans, paints, thinners, dirty rags, etc.) that could introduce VOCs to the indoor air. Temperature, barometric pressure and air velocity were also recorded at the time of sample collection.

One indoor air sample was collected from the basement area with a concrete floor, located beneath the southeastern portion of the Taber Mill building; two indoor air samples were collected from the dirt-floor crawlspace, and one indoor air sample was collected from the northeast portion of the first floor of the Taber Mill building. An outdoor ambient air sample was also collected during the same time frame as the indoor air samples to evaluate background conditions at the time of sampling, and a duplicate sample was collected at one indoor location for QC purposes.

The indoor air samples were collected in pre-cleaned, evacuated, passivated stainless steel laboratory-supplied SUMMA® canisters and analyzed for VOCs and air-phase petroleum hydrocarbons (APH). The canisters were placed at a height typical of an average person's breathing zone height (i.e., at approximately five feet).

4.0 INVESTIGATORY AND ENVIRONMENTAL MONITORING DATA

4.1 Monitoring

TRC conducted dust monitoring during the aforementioned soil management activities between January 12 and January 19, 2010 in accordance with the procedures outlined in Section 6 of the RAM Plan. Dust levels did not exceed the prescribed action limit of 150 micrograms per cubic meter (ug/m^3) sustained over 15 minutes during any of the construction activities. Dust monitors were set upwind and downwind of the excavation and between the excavation and the nearest receptor property. Upwind and downwind monitors were replaced on the afternoon of January 12, 2010, due to possible malfunctions in the morning of those units. Upwind data was recorded on the malfunctioning monitor until arrival of a replacement, but a memory malfunction of the downwind monitor caused automatic data recording to cease after 37 minutes of use. The malfunction also caused the downwind unit to malfunction, causing no downwind data to be collected for approximately four hours prior to the arrival of the replacement unit. Onsite/near property data was recorded without incident for the duration of excavations. Dust monitoring units were recording during excavation activities, except during periods of rain on January 19, 2010.

VOC concentrations were monitored during the above activities between January 12 and January 19, 2010 in accordance with the procedures and action levels outlined in Section 6 of the RAM Plan. A PID malfunction on January 12, 2010 prevented screening for VOCs until arrival of a replacement PID in the afternoon of January 12, 2010. Breathing zone screening immediately following the arrival of a replacement PID indicated levels of VOCs over 600 parts per million by volume (ppmv), exceeding the 5 ppmv sustained and 50 ppmv immediate action level stated in the RAM Plan. TRC notified DPI and TRC's Licensed Site Professional (LSP) of the conditions, and DPI left the immediate area of the excavation pit with the exception of the operator of the excavator who completed backfilling and stockpiling activities, as the excavator cab was not impacted by the elevated VOCs due to the distance and elevation from the excavation. A reading of 522 ppmv was observed using the jar-headspace screening method on a sample of soil, confirming the presence of VOCs in excavated soils.

Elevated levels of VOCs were not detected by PID field screening during the excavation of the eastern catch basin on the morning of January 13, 2010. Shortly after DPI began excavating in the area where the catch basin and manhole were installed on January 12, VOCs were observed at 100 ppmv sustained at breathing level outside the pit during excavation, and 300-400 ppmv within the excavation and at ground level, which was greater than the 5 and 50 ppmv action levels prescribed in the RAM Plan. TRC personnel observed PID VOC levels above RAM Plan action levels at the fence line along Coffin Avenue when DPI was using compressed air to disturb soils. DPI was notified of the conditions in and around the excavation, and work was suspended. TRC field personnel consulted with TRC's LSP and TRC's Corporate Health and Safety Officer to plan actions to be taken to ensure worker safety. Representatives from TRC and DPI conferenced and decided that Level B PPE with supplied air would be used by DPI workers within the excavation pit and Level C PPE would be used by TRC and DPI personnel outside the excavation. Further work was postponed pending mobilization of applicable PPE to the Site and the updating of TRC's site-specific Health and Safety Plan.

Excavation resumed on January 19, 2010, with two PIDs for screening of VOCs and personnel donning the above PPE. PID readings of 100-200 ppmv of VOCs exceeding the action levels of 5 ppmv sustained and 50 ppmv detection were observed in the breathing zone during uncovering of the western catch basin and manhole, but were less than those observed on January 13, 2010. PPE for personnel outside the pit was downgraded when VOCs levels dropped to near background as excavation proceeded in an easterly direction. All monitoring conducted along the perimeter fence line indicated background levels for VOCs, suggesting VOC vapors were not migrating offsite. Weather conditions during the work were calm and rainy.

TRC personnel also performed dust and VOC monitoring during the aforementioned activities on June 30, 2010 and August 4, 2010 in accordance with the procedures outlined in Section 6 of the RAM Plan. Dust levels did not exceed the prescribed action limit of 150 micrograms per cubic meter (ug/m^3) sustained over 15 minutes during any of the construction activities. The dust monitors did not appear to be working correctly during oversight activities on August 4, 2010 causing unusual readings and some data to be lost. Dust monitors were set upwind and downwind of the stockpile area on both occasions, and on June 30, 2010, a DustTrak was placed between the stockpile area and the nearest property. Breathing zone screening indicated VOCs below the action level of 5 ppmv outlined in Section 6 of the RAM Plan.

DustTrack data was downloaded daily and log sheets were maintained, both of which are included in Appendix C.

4.2 Post-Excavation Sampling and Analysis

TCE was detected in two samples and PCE was detected in one sample but neither contaminant was detected above MCP Method 1 S-1 soil cleanup standards. PAHs were detected above MCP Method 1 S-1 soil cleanup standards in four samples, total chromium was detected above MCP Method 1 S-1 soil cleanup standards in four samples, and total nickel was detected above MCP Method 1 S-1 cleanup standards in all six samples. A summary of laboratory data for these post-excavation soil samples is included as Table 3, which includes comparison to MCP Method 1 S-1, S-2, and S-3 soil cleanup standards. Laboratory data reports are provided in Appendix D.

4.3 Soil Disposal Characterization

On June 30, 2010, a TRC field engineer was on site to monitor stockpile management activities and collect a soil disposal characterization sample of stockpiled grading soils. The grading-displaced soils were placed in a stockpile next to TCE-impacted soils generated during utility excavation soils generated in January 2010 and other potentially TCE-impacted soils displaced during parking lot construction activity. To ensure proper segregation of TCE-impacted soils and grading-displaced soils, TRC screened excavated soil with a PID and directed the soil to the proper stockpile. Following management activities, a TRC field engineer collected a soil disposal characterization sample from the grubbing stockpiles and submitted it for laboratory analysis of total VOCs, total SVOCs, PCBs, TPH, and RCRA-5 Metals. A summary of laboratory results for the grading-displaced soil stockpile can be found in Table 2, which also includes a summary of laboratory results of disposal characteristics of the TCE-impacted

stockpile. Laboratory data reports are provided in Appendix D. TRC provided field oversight including real-time dust monitoring and VOC field screening with a PID during management activities. Dust monitoring data can be found in Appendix C.

4.4 Groundwater Sampling Results

Laboratory analytical results for the groundwater samples collected as part of Site investigation activities were compared to MCP Method 1 GW-2 and GW-3 groundwater cleanup standards. The analytical results are summarized in Table 4 and Figure 4. Laboratory data reports are provided in Appendix D.

Several VOC constituents were identified above both the MCP GW-2 and GW-3 groundwater standards at several locations, as listed below:

- Cis-1,2-dichloroethylene: CGW-8 and CGW-11;
- Tetrachloroethylene: CGW-8 and TRC-3; and
- Trichloroethylene: CGW-8, CGW-11, TRC-2, TRC-3, and TRC-4.

One VPH constituent, C_5-C_8 aliphatics, exceeded MCP GW-2 and GW-3 cleanup criteria in monitoring well CGW-8. No other VPH or EPH compounds were detected above applicable standards.

4.5 Indoor Air Sampling Results

Indoor air and ambient air laboratory analytical data are summarized in Table 5 and Figure 5. Laboratory data reports are provided in Appendix D. TCE was detected at a concentration above the MassDEP IATV in the basement indoor air sample. The TCE detected in this sample is likely associated with the historical release at the Payne Cutlery Site. However, considering the limited use of the Taber Mill basement, this is not considered to represent a significant human health risk.

TCE was not detected above the IATV in the first floor indoor air sample or crawlspace samples, which support that the historical release at Payne Cutlery has not impacted the indoor air quality at Taber Mill in the Taber Mill living spaces.

Concentrations of several other compounds were detected above MassDEP IATVs in indoor air samples collected within the basement (TM IAQ-B) and in the first floor (TM IAQ-1), including C_5-C_8 aliphatics, C_9-C_{10} aromatics, and/or naphthalene. Concentrations of C_5-C_8 aliphatics were also detected above MassDEP IATVs in the first floor sample (TM IAQ-1). In both of these indoor air samples, these compounds are likely associated with storage or use of petroleum products within the Taber Mill facility. For example, the concentration of C_5-C_8 aliphatics in TM IAQ-1 is likely due to the renovation activities occurring in the building at the time of sampling, including compounding, priming, and painting of walls.

5.0 RELEASE ABATEMENT MEASURE WASTE MANAGEMENT

5.1 On-Site Soil Management

Soils generated during excavation activities were temporarily stockpiled on and covered with 6-mil-thick polyethylene sheeting. Entrance gates to the Site were locked daily upon leaving the Site to control unauthorized entry and contact with stored materials by trespassers. Disposal of stockpiled soil is discussed in Section 5.2 below, and no soil stockpiles currently remain on the Site as a result of RAM activities.

5.2 Off-Site Soil Disposal

On August 4, 2010, TRC provided field oversight including real-time dust monitoring during grubbing stockpile load-out activities. Approximately 107 tons of grading-displaced soils were loaded by DPI into trucks and transported by DPI to the Greater New Bedford Regional Refuse Management District's Crapo Hill facility. Dust monitoring data can be found in Appendix C. Bills of Lading (BOL) and shipping receipts can be found in Appendix E.

On August 24, 2010, TRC oversaw the loading of the TCE-impacted soil stockpile for off-site disposal including VOC field screening with a PID. Real-time dust monitoring was not conducted due to rainy conditions. DPI loaded approximately 68 tons TCE-impacted soils and materials (i.e. polyethylene) onto two trucks and one roll-off operated by New England Disposal Technologies of Sutton, Massachusetts. New England Disposal Technologies then transported the TCE-impacted soil and debris to Stablex Canada, Incorporated in Blainville, Quebec, Canada. Triumvirate Environmental Incorporated of Somerville, Massachusetts arranged the off-site disposal and acted as intermediary for export.

5.3 Off-Site Groundwater Disposal

Well development and purging activities in March and April 2012 generated two 55-gallon drums of groundwater, which were temporarily staged onsite prior to offsite disposal on June 21, 2012. A copy of the associated waste shipping manifest is included in Appendix E.

6.0 CONCLUSIONS

The RAM Plan for this project, filed on November 24, 2009, addressed activities associated with the construction of a parking lot at the southeast corner of the Former Payne Cutlery Site, near the intersection of Coffin Avenue and Oneko Lane in New Bedford, Massachusetts. The RAM Plan also included plans for assessment of current Site conditions through groundwater sampling from existing monitoring wells on and near the Site, pre-construction soil sampling, and indoor air sampling in the Taber Mill apartment complex immediately south of the Site.

Excavation activities associated with parking lot construction as described in the RAM Plan and subsequent RAM Status Reports were performed between January and July 2010. The stockpiled soil excavated from the Site was removed and transported offsite for treatment/disposal on August 4 and August 24, 2010. Groundwater sampling was performed in April 2012 and indoor air sampling at the Taber Mill apartment complex was performed in June 2012.

The objectives of the RAM Plan have been met and the active and ongoing remedial actions related to the RAM have been completed. Additional remedial actions are being planned as Immediate Response Actions.

7.0 LSP OPINION

The objective of this RAM was to address activities associated with the construction of a parking lot at the southeast corner of the Former Payne Cutlery Site, near the intersection of Coffin Avenue and Oneko Lane in New Bedford, Massachusetts, and to assess current Site conditions through groundwater sampling, pre-construction soil sampling, and indoor air sampling in the Taber Mill apartment complex immediately south of the Site.

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

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

12/19/2012
Date

Stamp

8.0 REFERENCES

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TABLES

Table 1
Summary of Analytical Results for Backfill Material Sample -- December 2009
Payne Cutlery
New Bedford, Massachusetts

Analysis	Analyte			Sample ID:	Sample-1	Sample-2
				Sample Date:	12/8/2009	12/8/2009
		S-1/GW-1	S-1/GW-2	S-1/GW-3		
VOCs						
(mg/kg)	Acetone	6	50	400	0.11 U	0.13 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	NS	0.0011 U	0.0013 U
	Benzene	2	30	30	0.0021 U	0.0026 U
	Bromobenzene	NS	NS	NS	0.0021 U	0.0026 U
	Bromochloromethane	NS	NS	NS	0.0021 U	0.0026 U
	Bromodichloromethane	0.1	0.1	20	0.0021 U	0.0026 U
	Bromoform	0.1	1	200	0.011 U	0.013 U
	Bromomethane	0.5	0.5	30	0.011 U	0.013 U
	2-Butanone (MEK)	4	50	400	0.043 U	0.052 U
	n-Butylbenzene	100(1)	100(1)	100(1)	0.0021 U	0.0026 U
	sec-Butylbenzene	100(1)	100(1)	100(1)	0.0021 U	0.0026 U
	tert-Butylbenzene	100(1)	100(1)	100(1)	0.0021 U	0.0026 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	NS	0.0011 U	0.0013 U
	Carbon Disulfide	NS	NS	NS	0.0064 U	0.0078 U
	Carbon Tetrachloride	10	5	10	0.011 U	0.013 U
	Chlorobenzene	1	3	100	0.0021 U	0.0026 U
	Chlorodibromomethane	0.005	0.03	20	0.0011 U	0.0013 U
	Chloroethane	NS	NS	NS	0.021 U	0.026 U
	Chloroform	0.4	0.3	400	0.0043 U	0.0052 U
	Chloromethane	NS	NS	NS	0.011 U	0.013 U
	2-Chlorotoluene	NS	NS	NS	0.0021 U	0.0026 U
	4-Chlorotoluene	NS	NS	NS	0.0021 U	0.0026 U
	1,2-Dibromo-3-chloropropane (DBCP	NS	NS	NS	0.011 U	0.013 U
	1,2-Dibromoethane (EDB)	0.1	0.1	0.7	0.0011 U	0.0013 U
	Dibromomethane	NS	NS	NS	0.0021 U	0.0026 U
	1,2-Dichlorobenzene	9	30	300	0.0021 U	0.0026 U
	1,3-Dichlorobenzene	1	40	100	0.0021 U	0.0026 U
	1,4-Dichlorobenzene	0.7	4	50	0.0021 U	0.0026 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	NS	0.021 U	0.026 U
	1,1-Dichloroethane	0.4	5	500	0.0021 U	0.0026 U
	1,2-Dichloroethane	0.1	0.1	10	0.0021 U	0.0026 U
	1,1-Dichloroethylene	3	40	500	0.0043 U	0.0052 U
	cis-1,2-Dichloroethylene	0.3	0.4	100	0.0021 U	0.0026 U
	trans-1,2-Dichloroethylene	1	1	500	0.0021 U	0.0026 U
	1,2-Dichloropropane	0.1	0.1	10	0.0021 U	0.0026 U
	1,3-Dichloropropane	NS	NS	NS	0.0011 U	0.0013 U
	2,2-Dichloropropane	NS	NS	NS	0.0021 U	0.0026 U
	1,1-Dichloropropene	NS	NS	NS	0.0021 U	0.0026 U
	cis-1,3-Dichloropropene	0.01(2)	0.4(2)	9(2)	0.0011 U	0.0013 U
	trans-1,3-Dichloropropene	0.01(2)	0.4(2)	9(2)	0.0011 U	0.0013 U
	Diethyl Ether	NS	NS	NS	0.021 U	0.026 U
	Diisopropyl Ether (DIPE)	NS	NS	NS	0.0011 U	0.0013 U
	1,4-Dioxane	0.2	6	70	0.11 U	0.13 U
	Ethylbenzene	40	500	500	0.0021 U	0.0026 U
	Hexachlorobutadiene	6	6	6	0.0021 U	0.0026 U
	2-Hexanone (MBK)	NS	NS	NS	0.021 U	0.026 U
	Isopropylbenzene (Cumene)	100(1)	100(1)	100(1)	0.0021 U	0.0026 U
	p-Isopropyltoluene (p-Cymene)	100(1)	100(1)	100(1)	0.0021 U	0.0026 U
	Methyl tert-Butyl Ether (MTBE)	0.1	100	100	0.0043 U	0.0052 U
	Methylene Chloride	0.1	20	200	0.021 U	0.026 U
	4-Methyl-2-pentanone (MIBK)	0.4	50	400	0.021 U	0.026 U
	Naphthalene	4	40	500	0.0043 U	0.0052 U
	n-Propylbenzene	100(1)	100(1)	100(1)	0.0021 U	0.0026 U
	Styrene	3	4	30	0.0021 U	0.0026 U
	1,1,1,2-Tetrachloroethane	0.1	0.1	7	0.0021 U	0.0026 U

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Payne Cutlery
New Bedford, Massachusetts

Analysis	Analyte			Sample ID:	Sample-1		Sample-2	
				Sample Date:	12/8/2009		12/8/2009	
		S-1/GW-1	S-1/GW-2	S-1/GW-3				
	1,1,2,2-Tetrachloroethane	0.005	0.02	0.8	0.0011	U	0.0013	U
	Tetrachloroethylene	1	10	30	0.0021	U	0.0026	U
	Tetrahydrofuran	NS	NS	NS	0.011	U	0.013	U
	Toluene	30	500	500	0.0021	U	0.0026	U
	1,2,3-Trichlorobenzene	NS	NS	NS	0.0021	U	0.0026	U
	1,2,4-Trichlorobenzene	2	70	500	0.0021	U	0.0026	U
	1,1,1-Trichloroethane	30	500	500	0.0021	U	0.0026	U
	1,1,2-Trichloroethane	0.1	2	4	0.0021	U	0.0026	U
	Trichloroethylene	0.3	2	90	0.0021	U	0.0026	U
	Trichlorofluoromethane (Freon 11)	NS	NS	NS	0.011	U	0.013	U
	1,2,3-Trichloropropane	NS	NS	NS	0.0021	U	0.0026	U
	1,2,4-Trimethylbenzene	100[(1)]	100[(1)]	100[(1)]	0.0021	U	0.0026	U
	1,3,5-Trimethylbenzene	100[(1)]	100[(1)]	100[(1)]	0.0021	U	0.0026	U
	Vinyl Chloride	0.6	0.6	0.6	0.011	U	0.013	U
	m+p Xylene	400	300	500	0.0043	U	0.0052	U
	o-Xylene	400	300	500	0.0021	U	0.0026	U
VPH								
(mg/kg)	C5-C8 Aliphatics	100	100	100	15	U	18	U
	C9-C12 Aliphatics	1,000	1,000	1,000	10	U	12	U
	C9-C10 Aromatics	100	100	100	10	U	12	U
	Benzene	2	30	30	0.052	U	0.061	U
	Ethylbenzene	40	500	500	0.052	U	0.061	U
	Methyl tert-Butyl Ether (MTBE)	0.1	100	100	0.052	U	0.061	U
	Naphthalene	4	40	500	0.52	U	0.61	U
	Toluene	30	500	500	0.052	U	0.061	U
	m+p Xylene	400	300	500	0.10	U	0.12	U
	o-Xylene	400	300	500	0.052	U	0.061	U
EPH								
(mg/kg)	C9-C18 Aliphatics	1,000	1,000	1,000	10	U	11	U
	C19-C36 Aliphatics	3,000	3,000	3,000	10	U	**12**	
	C11-C22 Aromatics	1,000	1,000	1,000	10	U	**19**	
	Acenaphthene	4	1,000	1,000	0.10	U	0.11	U
	Acenaphthylene	1	600	10	0.10	U	0.11	U
	Anthracene	1,000	1,000	1,000	0.10	U	**0.21**	
	Benzo(a)anthracene	7	7	7	0.10	U	**0.47**	
	Benzo(a)pyrene	2	2	2	0.10	U	**0.45**	
	Benzo(b)fluoranthene	7	7	7	0.10	U	**0.67**	
	Benzo(g,h,i)perylene	1,000	1,000	1,000	0.10	U	**0.28**	
	Benzo(k)fluoranthene	70	70	70	0.10	U	**0.24**	
	Chrysene	70	70	70	0.10	U	**0.55**	
	Dibenz(a,h)anthracene	0.7	0.7	0.7	0.10	U	0.11	U
	Fluoranthene	1,000	1,000	1,000	0.10	U	**1.1**	
	Fluorene	1,000	1,000	1,000	0.10	U	**0.15**	
	Indeno(1,2,3-cd)pyrene	7	7	7	0.10	U	**0.33**	
	2-Methylnaphthalene	0.7	80	300	0.10	U	0.11	U
	Naphthalene	4	40	500	0.10	U	0.11	U
	Phenanthrene	10	500	500	0.10	U	**0.71**	
	Pyrene	1,000	1,000	1,000	0.10	U	**1.1**	
SVOCs								
(mg/kg)	Acenaphthene	4	1,000	1,000	0.17	U	0.18	U
	Acenaphthylene	1	600	10	0.17	U	0.18	U
	Acetophenone	NS	NS	NS	0.34	U	0.36	U
	Aniline	NS	NS	NS	0.34	U	0.36	U
	Anthracene	1,000	1,000	1,000	0.17	U	**0.24**	
	Benzo(a)anthracene	7	7	7	0.17	U	**0.40**	
	Benzo(a)pyrene	2	2	2	0.17	U	**0.32**	
	Benzo(b)fluoranthene	7	7	7	0.17	U	**0.39**	
	Benzo(g,h,i)perylene	1,000	1,000	1,000	0.17	U	0.18	U
	Benzo(k)fluoranthene	70	70	70	0.17	U	0.18	U

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Payne Cutlery
New Bedford, Massachusetts

Analysis	Analyte			Sample ID:	Sample-1	Sample-2
				Sample Date:	12/8/2009	12/8/2009
		S-1/GW-1	S-1/GW-2	S-1/GW-3		
	Bis(2-chloroethoxy)methane	NS	NS	NS	0.34 U	0.36 U
	Bis(2-chloroethyl)ether	0.7	0.7	0.7	0.34 U	0.36 U
	Bis(2-chloroisopropyl)ether	0.7	0.7	3	0.34 U	0.36 U
	Bis(2-Ethylhexyl)phthalate	200	200	200	0.34 U	0.36 U
	4-Bromophenylphenylether	NS	NS	NS	0.34 U	0.36 U
	Butylbenzylphthalate	NS	NS	NS	0.66 U	0.71 U
	4-Chloroaniline	1	100	3	0.66 U	0.71 U
	2-Chloronaphthalene	NS	NS	NS	0.34 U	0.36 U
	2-Chlorophenol	0.7	100	100	0.34 U	0.36 U
	Chrysene	70	70	70	0.17 U	**0.35**
	Dibenz(a,h)anthracene	0.7	0.7	0.7	0.17 U	0.18 U
	Dibenzofuran	NS	NS	NS	0.34 U	0.36 U
	1,2-Dichlorobenzene	9	30	300	0.34 U	0.36 U
	1,3-Dichlorobenzene	1	40	100	0.34 U	0.36 U
	1,4-Dichlorobenzene	0.7	4	50	0.34 U	0.36 U
	3,3-Dichlorobenzidine	1	1	1	0.17 U	0.18 U
	2,4-Dichlorophenol	0.7	60	40	0.34 U	0.36 U
	Diethylphthalate	10	200	300	0.34 U	0.36 U
	2,4-Dimethylphenol	0.7	100	500	0.34 U	0.36 U
	Dimethylphthalate	30	50	600	0.66 U	0.71 U
	Di-n-butylphthalate	NS	NS	NS	0.34 U	0.36 U
	2,4-Dinitrophenol	3	50	50	0.66 U	0.71 U
	2,4-Dinitrotoluene	0.7	2	2	0.34 U	0.36 U
	2,6-Dinitrotoluene	NS	NS	NS	0.34 U	0.36 U
	Di-n-octylphthalate	NS	NS	NS	0.66 U	0.71 U
	1,2-Diphenylhydrazine (as Azobenzen	NS	NS	NS	0.34 U	0.36 U
	Fluoranthene	1,000	1,000	1,000	0.17 U	**0.83**
	Fluorene	1,000	1,000	1,000	0.17 U	0.18 U
	Hexachlorobenzene	1	1	1	0.34 U	0.36 U
	Hexachlorobutadiene	6	6	6	0.34 U	0.36 U
	Hexachloroethane	0.7	3	9	0.34 U	0.36 U
	Indeno(1,2,3-cd)pyrene	7	7	7	0.17 U	**0.33**
	Isophorone	NS	NS	NS	0.34 U	0.36 U
	2-Methylnaphthalene	0.7	80	300	0.17 U	0.18 U
	2-Methylphenol	NS	NS	NS	0.34 U	0.36 U
	3/4-Methylphenol	NS	NS	NS	0.34 U	0.36 U
	Naphthalene	4	40	500	0.17 U	0.18 U
	Nitrobenzene	NS	NS	NS	0.34 U	0.36 U
	2-Nitrophenol	NS	NS	NS	0.34 U	0.36 U
	4-Nitrophenol	NS	NS	NS	0.66 U	0.71 U
	Pentachlorophenol	3	10	10	0.34 U	0.36 U
	Phenanthrene	10	500	500	0.17 U	**0.75**
	Phenol	1	50	20	0.34 U	0.36 U
	Pyrene	1,000	1,000	1,000	0.17 U	**0.58**
	1,2,4-Trichlorobenzene	2	70	500	0.34 U	0.36 U
	2,4,5-Trichlorophenol	4	1000	600	0.34 U	0.36 U
	2,4,6-Trichlorophenol	0.7	20	20	0.34 U	0.36 U
Pesticides						
(mg/kg)	Aldrin	0.04	0.04	0.04	0.0050 U	0.0053 U
	alpha-BHC	NS	NS	NS	0.0050 U	0.0053 U
	beta-BHC	NS	NS	NS	0.0050 U	0.0053 U
	delta-BHC	NS	NS	NS	0.0050 U	0.0053 U
	gamma-BHC (Lindane)	0.003	0.7	0.5	0.0030 U	0.0032 U
	Chlordane	0.7	0.7	0.7	0.020 U	0.021 U
	4,4'-DDD	4	4	4	0.0080 U	0.0085 U
	4,4'-DDE	3	3	3	0.0040 U	0.0043 U
	4,4'-DDT	3	3	3	0.0080 U	0.0085 U
	Dieldrin	0.05	0.05	0.05	0.0080 U	0.0085 U
	Endosulfan I	0.5	200	1	0.0050 U	0.0053 U

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Payne Cutlery
New Bedford, Massachusetts

Analysis	Analyte			Sample ID:	Sample-1		Sample-2	
				Sample Date:	12/8/2009		12/8/2009	
		S-1/GW-1	S-1/GW-2	S-1/GW-3				
	Endosulfan II	0.5	200	1	0.0080	U	0.0085	U
	Endosulfan Sulfate	NS	NS	NS	0.0080	U	0.0085	U
	Endrin	8	8	8	0.0080	U	0.0085	U
	Endrin Ketone	NS	NS	NS	0.0080	U	0.0085	U
	Heptachlor	0.2	0.2	0.2	0.0050	U	0.0053	U
	Heptachlor Epoxide	0.09	0.09	0.09	0.0050	U	0.0053	U
	Hexachlorobenzene	0.7	0.7	0.7	0.0050	U	0.0053	U
	Methoxychlor	200	200	200	0.050	U	0.053	U
Herbicides								
(mg/kg)	2,4,5-T	NS	NS	NS	0.060	U	0.068	U
	2,4,5-TP (Silvex)	NS	NS	NS	0.060	U	0.068	U
	2,4-D	NS	NS	NS	0.060	U	0.068	U
	2,4-DB	NS	NS	NS	0.060	U	0.068	U
	Dalapon	NS	NS	NS	0.060	U	0.068	U
	Dicamba	NS	NS	NS	0.060	U	0.068	U
	Dichloroprop	NS	NS	NS	0.060	U	0.068	U
	Dinoseb	NS	NS	NS	0.060	U	0.068	U
	MCPA	NS	NS	NS	6.0	U	6.8	U
	MCPP	NS	NS	NS	6.0	U	6.8	U
PCBs								
(mg/kg)	Aroclor-1016	2	2	2	0.10	U	0.11	U
	Aroclor-1221	2	2	2	0.10	U	0.11	U
	Aroclor-1232	2	2	2	0.10	U	0.11	U
	Aroclor-1242	2	2	2	0.10	U	0.11	U
	Aroclor-1248	2	2	2	0.10	U	0.11	U
	Aroclor-1254	2	2	2	0.10	U	0.11	U
	Aroclor-1260	2	2	2	0.10	U	0.11	U
	Aroclor-1262	2	2	2	0.10	U	0.11	U
	Aroclor-1268	2	2	2	0.10	U	0.11	U
Metals								
(mg/kg)	Arsenic	20	20	20	2.5	U	2.7	U
	Barium	1,000	1,000	1,000	**7.5**		**13**	
	Cadmium	2	2	2	0.25	U	0.27	U
	Chromium	30	30	30	**1.6**		**4.5**	
	Lead	300	300	300	**3.8**		**5.2**	
	Mercury	20	20	20	0.020	U	0.021	U
	Selenium	400	400	400	5.0	U	5.4	U
	Silver	100	100	100	0.50	U	0.54	U

Notes:

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

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

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

VOCs - Volatile Organic Compounds.

VPH - Volatile Petroleum Hydrocarbons.

EPH - Extractable Petroleum Hydrocarbons.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

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

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

Table 2
Summary of Analytical Results for Stockpile Soil Samples -- 2010
Payne Cutlery
New Bedford, Massachusetts

Analysis	Analyte	Reuse Levels*		Recycling Levels**			Sample ID: / Sample Date:	SPL-1 2/9/2010	GRUB-1 6/30/2010
		Lined Landfills	Unlined Landfills	Hot Mix Asphalt Plant	Cold Mix Emulsion Plant	Thermal Processing Plant			
VOCs									
(mg/kg)	1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,1,1-Trichloroethane	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS		0.00053 U	0.00081 U
	1,1,2-Trichloroethane	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,1-Dichloroethane	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,1-Dichloroethylene	NS	NS	NS	NS	NS		0.0021 U	0.0032 U
	1,1-Dichloropropene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,2,3-Trichloropropane	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,2-Dibromoethane (EDB)	NS	NS	NS	NS	NS		0.00053 U	0.00081 U
	1,2-Dichlorobenzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,2-Dichloroethane	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,2-Dichloropropane	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,3-Dichlorobenzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,3-Dichloropropane	NS	NS	NS	NS	NS		0.00053 U	0.00081 U
	1,4-Dichlorobenzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	1,4-Dioxane	NS	NS	NS	NS	NS		0.053 U	0.081 U
	2,2-Dichloropropane	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	2-Butanone (MEK)	NS	NS	NS	NS	NS		0.021 U	0.032 U
	2-Chlorotoluene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	2-Hexanone (MBK)	NS	NS	NS	NS	NS		0.011 U	0.016 U
	4-Chlorotoluene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	4-Methyl-2-pentanone (MIBK)	NS	NS	NS	NS	NS		0.011 U	0.016 U
	Acetone	NS	NS	NS	NS	NS		0.053 U	0.081 U
	Benzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	Bromobenzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	Bromochloromethane	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	Bromodichloromethane	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	Bromoform	NS	NS	NS	NS	NS		0.0053 U	0.0032 U
	Bromomethane	NS	NS	NS	NS	NS		0.0053 U	0.0081 U
	Carbon Disulfide	NS	NS	NS	NS	NS		0.0032 U	0.0049 U
	Carbon Tetrachloride	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	Chlorobenzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	Chlorodibromomethane	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	Chloroethane	NS	NS	NS	NS	NS		0.011 U	0.016 U
	Chloroform	NS	NS	NS	NS	NS		0.0021 U	0.0032 U
	Chloromethane	NS	NS	NS	NS	NS		0.0053 U	0.0081 U
	cis-1,2-Dichloroethylene	NS	NS	NS	NS	NS		**0.0031**	0.0016 U
	cis-1,3-Dichloropropene	NS	NS	NS	NS	NS		0.00053 U	0.00081 U
	Dibromomethane	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	NS	NS	NS		0.011 U	0.016 U
	Diethyl Ether	NS	NS	NS	NS	NS		0.011 U	0.016 U
	Diisopropyl Ether (DIPE)	NS	NS	NS	NS	NS		0.00053 U	0.00081 U
	Ethylbenzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	Hexachlorobutadiene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	Isopropylbenzene (Cumene)	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	m+p Xylene	NS	NS	NS	NS	NS		0.0021 U	0.0032 U
	Methyl tert-Butyl Ether (MTBE)	NS	NS	NS	NS	NS		0.0021 U	0.0032 U
	Methylene Chloride	NS	NS	NS	NS	NS		0.011 U	0.016 U
	Naphthalene	NS	NS	NS	NS	NS		0.0021 U	0.0032 U
	n-Butylbenzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	n-Propylbenzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U

Table 2
Summary of Analytical Results for Stockpile Soil Samples -- 2010
Payne Cutlery
New Bedford, Massachusetts

Analysis	Analyte	Reuse Levels*		Recycling Levels**			Sample ID: / Sample Date:	SPL-1 2/9/2010	GRUB-1 6/30/2010
		Lined Landfills	Unlined Landfills	Hot Mix Asphalt Plant	Cold Mix Emulsion Plant	Thermal Processing Plant			
	o-Xylene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	p-Isopropyltoluene (p-Cymene)	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	sec-Butylbenzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	Styrene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	NS	NS	NS		0.00053 U	0.00081 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	NS	NS	NS		0.00053 U	0.00081 U
	tert-Butylbenzene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	Tetrachloroethylene	NS	NS	NS	NS	NS		**0.0053**	0.0016 U
	Tetrahydrofuran	NS	NS	NS	NS	NS		0.0053 U	0.0081 U
	Toluene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	trans-1,2-Dichloroethylene	NS	NS	NS	NS	NS		0.0011 U	0.0016 U
	trans-1,3-Dichloropropene	NS	NS	NS	NS	NS		0.00053 U	0.0016 U
	Trichloroethylene	NS	NS	NS	NS	NS		**37**	**0.0077**
	Trichlorofluoromethane (Freon 11)	NS	NS	NS	NS	NS		0.0053 U	0.0081 U
	Vinyl Chloride	NS	NS	NS	NS	NS		0.0053 U	0.0081 U
	Total VOCs	*10*	*10*	*10*	*10*	*10*		**37.01**	**0.0077**
SVOCs									
(mg/kg)	1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS		0.73 U	0.37 U
	1,2-Dichlorobenzene	NS	NS	NS	NS	NS		0.73 U	0.37 U
	1,2-Diphenylhydrazine (as Azobenzene)	NS	NS	NS	NS	NS		0.73 U	0.37 U
	1,3-Dichlorobenzene	NS	NS	NS	NS	NS		0.73 U	0.37 U
	1,4-Dichlorobenzene	NS	NS	NS	NS	NS		0.73 U	0.37 U
	2,4,5-Trichlorophenol	NS	NS	NS	NS	NS		0.73 U	0.37 U
	2,4,6-Trichlorophenol	NS	NS	NS	NS	NS		0.73 U	0.37 U
	2,4-Dichlorophenol	NS	NS	NS	NS	NS		0.73 U	0.37 U
	2,4-Dimethylphenol	NS	NS	NS	NS	NS		0.73 U	0.37 U
	2,4-Dinitrophenol	NS	NS	NS	NS	NS		1.4 U	0.73 U
	2,4-Dinitrotoluene	NS	NS	NS	NS	NS		0.73 U	0.37 U
	2,6-Dinitrotoluene	NS	NS	NS	NS	NS		0.73 U	0.37 U
	2-Chloronaphthalene	NS	NS	NS	NS	NS		0.73 U	0.37 U
	2-Chlorophenol	NS	NS	NS	NS	NS		0.73 U	0.37 U
	2-Methylnaphthalene	NS	NS	NS	NS	NS		0.37 U	0.19 U
	2-Methylphenol	NS	NS	NS	NS	NS		0.73 U	0.37 U
	2-Nitrophenol	NS	NS	NS	NS	NS		0.73 U	0.37 U
	3,3-Dichlorobenzidine	NS	NS	NS	NS	NS		0.37 U	0.19 U
	3/4-Methylphenol	NS	NS	NS	NS	NS		0.73 U	0.37 U
	4-Bromophenylphenylether	NS	NS	NS	NS	NS		0.73 U	0.37 U
	4-Chloroaniline	NS	NS	NS	NS	NS		1.4 U	0.73 U
	4-Nitrophenol	NS	NS	NS	NS	NS		1.4 U	0.73 U
	Acenaphthene	NS	NS	NS	NS	NS		0.37 U	0.19 U
	Acenaphthylene	NS	NS	NS	NS	NS		0.37 U	0.19 U
	Acetophenone	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Aniline	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Anthracene	NS	NS	NS	NS	NS		0.37 U	0.19 U
	Benzo(a)anthracene	NS	NS	NS	NS	NS		**0.57**	**0.61**
	Benzo(a)pyrene	NS	NS	NS	NS	NS		**0.49**	**0.54**
	Benzo(b)fluoranthene	NS	NS	NS	NS	NS		**0.54**	**0.67**
	Benzo(g,h,i)perylene	NS	NS	NS	NS	NS		0.37 U	**0.44**
	Benzo(k)fluoranthene	NS	NS	NS	NS	NS		0.37 U	**0.28**
	Bis(2-chloroethoxy)methane	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Bis(2-chloroethyl)ether	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Butylbenzylphthalate	NS	NS	NS	NS	NS		1.4 U	0.73 U
	Chrysene	NS	NS	NS	NS	NS		**0.63**	**0.62**
	Dibenz(a,h)anthracene	NS	NS	NS	NS	NS		0.37 U	0.19 U
	Dibenzofuran	NS	NS	NS	NS	NS		0.73 U	0.37 U

Table 2
Summary of Analytical Results for Stockpile Soil Samples -- 2010
Payne Cutlery
New Bedford, Massachusetts

Analysis	Analyte	Reuse Levels*		Recycling Levels**			Sample ID: / Sample Date:	SPL-1 2/9/2010	GRUB-1 6/30/2010
		Lined Landfills	Unlined Landfills	Hot Mix Asphalt Plant	Cold Mix Emulsion Plant	Thermal Processing Plant			
	Diethylphthalate	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Dimethylphthalate	NS	NS	NS	NS	NS		1.4 U	0.73 U
	Di-n-butylphthalate	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Di-n-octylphthalate	NS	NS	NS	NS	NS		1.4 U	0.73 U
	Fluoranthene	NS	NS	NS	NS	NS		**1.2**	**1.1**
	Fluorene	NS	NS	NS	NS	NS		0.37 U	0.19 U
	Hexachlorobenzene	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Hexachlorobutadiene	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Hexachloroethane	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	NS		**0.47**	**0.47**
	Isophorone	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Naphthalene	NS	NS	NS	NS	NS		0.37 U	0.19 U
	Nitrobenzene	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Pentachlorophenol	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Phenanthrene	NS	NS	NS	NS	NS		**0.75**	**0.65**
	Phenol	NS	NS	NS	NS	NS		0.73 U	0.37 U
	Pyrene	NS	NS	NS	NS	NS		**1.1**	**0.93**
	Total SVOCs	*100*	*100*	*100*	*100*	*100*		***5.75***	***6.31***
PCBs									
(mg/kg)	Aroclor-1016	NS	NS	NS	NS	NS		0.11 U	0.11 U
	Aroclor-1221	NS	NS	NS	NS	NS		0.11 U	0.11 U
	Aroclor-1232	NS	NS	NS	NS	NS		0.11 U	0.11 U
	Aroclor-1242	NS	NS	NS	NS	NS		0.11 U	0.11 U
	Aroclor-1248	NS	NS	NS	NS	NS		0.11 U	0.11 U
	Aroclor-1254	NS	NS	NS	NS	NS		0.11 U	**0.31**
	Aroclor-1260	NS	NS	NS	NS	NS		0.11 U	**0.17**
	Aroclor-1262	NS	NS	NS	NS	NS		0.11 U	0.11 U
	Aroclor-1268	NS	NS	NS	NS	NS		0.11 U	0.11 U
	Total PCBs	*< 2*	*< 2*	*< 2*	*< 2*	*< 2*		*0.11 U*	***0.48***
Total Petroleum Hydrocarbons									
(mg/kg)	TPH as Diesel	5,000	5,000	5,000	5,000	5,000		**60**	**160**
Metals		NS	NS	NS	NS	NS			
(mg/kg)	Arsenic	40	40	40	40	40		**2.6**	2.8 U
	Barium	NS	NS	NS	NS	NS		**78**	NA
	Cadmium	80	80	80	80	80		0.26 U	**0.35**
	Chromium	1,000	1,000	1,000	1,000	1,000		**30**	**73**
	Lead	2,000	2,000	2,000	2,000	2,000		**46**	**48**
	Selenium	NS	NS	NS	NS	NS		5.2 U	NA
	Silver	NS	NS	NS	NS	NS		0.52 U	NA
	Mercury	10	10	10	10	10		**0.028**	**0.043**
Conductivity									
(umhos/cm)	Specific conductance	8,000	8,000	8,000	8,000	8,000		**6.4**	NA

Notes:

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

umhos/cm - Micro-mhos per centimeter.

NA - Sample not analyzed for the listed analyte.

ND - Not detected.

NS - No MassDEP standards exist for this compound.

U - Compound was not detected at specified quantitation limit.

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

VOCs - Volatile Organic Compounds.

SVOCs - Semivolatile Organic Compounds.

PCBs - Polychlorinated Biphenyls.

* - MassDEP Contaminant Levels for Soil Reuse at Landfills, Policy # COMM-97-001,August 1997.

** - MassDEP Recycling Facility Summary Levels, InterimPolicy # WSC-94-400.

Table 3
Summary of Post-Excvaation Soil Analytical Results -- April 2010
Payne Cutlery
New Bedford, Massachusetts

Analysis	Analyte						Sample ID:	SS-1	SS-2	SS-3	SS-4		SS-5	SS-6
							Sample Depth (ft.):	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
							Sample Date:	4/2/2010	4/2/2010	4/2/2010	4/2/2010	4/2/2010	4/2/2010	4/2/2010
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3					Field Dup		
VOCs														
(mg/kg)	Acetone	50	400	50	400	50	400	0.089 U	0.091 U	0.096 U	0.048 U	0.060 U	0.067 U	0.054 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	NS	NS	NS	NS	0.00089 U	0.00091 U	0.00096 U	0.00048 U	0.00060 U	0.00067 U	0.00054 U
	Benzene	30	30	200	200	700	900	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	Bromobenzene	NS	NS	NS	NS	NS	NS	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	Bromochloromethane	NS	NS	NS	NS	NS	NS	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	Bromodichloromethane	0.1	20	0.1	100	0.1	500	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	Bromoform	1	200	1	800	1	800	0.0036 U	0.0037 U	0.0039 U	0.0019 U	0.0024 U	0.0027 U	0.0022 U
	Bromomethane	0.5	30	0.5	30	0.5	30	0.0089 U	0.0091 U	0.0096 U	0.0048 U	0.0060 U	0.0067 U	0.0054 U
	2-Butanone (MEK)	50	400	50	400	50	400	0.036 U	0.037 U	0.039 U	0.019 U	0.024 U	0.027 U	0.022 U
	n-Butylbenzene	100(1)	100(1)	500(1)	500(1)	500(1)	500(1)	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	sec-Butylbenzene	100(1)	100(1)	500(1)	500(1)	500(1)	500(1)	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	tert-Butylbenzene	100(1)	100(1)	500(1)	500(1)	500(1)	500(1)	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	NS	NS	NS	NS	0.00089 U	0.00091 U	0.00096 U	0.00048 U	0.00060 U	0.00067 U	0.00054 U
	Carbon Disulfide	NS	NS	NS	NS	NS	NS	0.0053 U	0.0055 U	0.0058 U	0.0029 U	0.0036 U	0.0040 U	0.0032 U
	Carbon Tetrachloride	5	10	5	60	5	400	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	Chlorobenzene	3	100	3	100	3	100	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	Chlorodibromomethane	0.03	20	0.03	100	0.03	500	0.00089 U	0.00091 U	0.00096 U	0.00048 U	0.00060 U	0.00067 U	0.00054 U
	Chloroethane	NS	NS	NS	NS	NS	NS	0.018 U	0.018 U	0.019 U	0.0096 U	0.012 U	0.013 U	0.011 U
	Chloroform	0.3	400	0.3	800	0.3	800	0.0036 U	0.0037 U	0.0039 U	0.0019 U	0.0024 U	0.0027 U	0.0022 U
	Chloromethane	NS	NS	NS	NS	NS	NS	0.0089 U	0.0091 U	0.0096 U	0.0048 U	0.0060 U	0.0067 U	0.0054 U
	2-Chlorotoluene	NS	NS	NS	NS	NS	NS	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	4-Chlorotoluene	NS	NS	NS	NS	NS	NS	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,2-Dibromo-3-chloropropane (DBCP)	NS	NS	NS	NS	NS	NS	0.0036 U	0.0037 U	0.0039 U	0.0019 U	0.0024 U	0.0027 U	0.0022 U
	1,2-Dibromoethane (EDB)	0.1	0.7	0.1	4	0.1	30	0.00089 U	0.00091 U	0.00096 U	0.00048 U	0.00060 U	0.00067 U	0.00054 U
	Dibromomethane	NS	NS	NS	NS	NS	NS	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,2-Dichlorobenzene	30	300	30	300	30	300	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,3-Dichlorobenzene	40	100	40	500	40	500	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,4-Dichlorobenzene	4	50	4	300	4	2000	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	NS	NS	NS	NS	0.018 U	0.018 U	0.019 U	0.0096 U	0.012 U	0.013 U	0.011 U
	1,1-Dichloroethane	5	500	5	1000	5	1000	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,2-Dichloroethane	0.1	10	0.1	90	0.1	300	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,1-Dichloroethylene	40	500	40	1000	40	3000	0.0036 U	0.0037 U	0.0039 U	0.0019 U	0.0024 U	0.0027 U	0.0022 U
	cis-1,2-Dichloroethylene	0.4	100	0.4	500	0.4	500	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	trans-1,2-Dichloroethylene	1	500	1	1000	1	3000	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,2-Dichloropropane	0.1	10	0.1	100	0.1	600	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,3-Dichloropropane	NS	NS	NS	NS	NS	NS	0.00089 U	0.00091 U	0.00096 U	0.00048 U	0.00060 U	0.00067 U	0.00054 U
	2,2-Dichloropropane	NS	NS	NS	NS	NS	NS	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,1-Dichloropropene	NS	NS	NS	NS	NS	NS	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	cis-1,3-Dichloropropene	0.4(2)	9(2)	0.4(2)	70(2)	0.4(2)	100(2)	0.00089 U	0.00091 U	0.00096 U	0.00048 U	0.00060 U	0.00067 U	0.00054 U
	trans-1,3-Dichloropropene	0.4(2)	9(2)	0.4(2)	70(2)	0.4(2)	100(2)	0.00089 U	0.00091 U	0.00096 U	0.00048 U	0.00060 U	0.00067 U	0.00054 U
	Diethyl Ether	NS	NS	NS	NS	NS	NS	0.018 U	0.018 U	0.019 U	0.0096 U	0.012 U	0.013 U	0.011 U
	Diisopropyl Ether (DIPE)	NS	NS	NS	NS	NS	NS	0.00089 U	0.00091 U	0.00096 U	0.00048 U	0.00060 U	0.00067 U	0.00054 U
	1,4-Dioxane	6	70	6	500	6	500	0.089 U	0.091 U	0.096 U	0.048 U	0.060 U	0.067 U	0.054 U
	Ethylbenzene	500	500	1000	1000	1000	3000	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	Hexachlorobutadiene	6	6	90	90	100	100	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	2-Hexanone (MBK)	NS	NS	NS	NS	NS	NS	0.018 U	0.018 U	0.019 U	0.0096 U	0.012 U	0.013 U	0.011 U
	Isopropylbenzene (Cumene)	100(1)	100(1)	500(1)	500(1)	500(1)	500(1)	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	p-Isopropyltoluene (p-Cymene)	100(1)	100(1)	500(1)	500(1)	500(1)	500(1)	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	Methyl tert-Butyl Ether (MTBE)	100	100	100	500	100	500	0.0036 U	0.0037 U	0.0039 U	0.0019 U	0.0024 U	0.0027 U	0.0022 U
	Methylene Chloride	20	200	20	900	20	900	0.018 U	0.018 U	0.019 U	0.0096 U	0.012 U	0.013 U	0.011 U
	4-Methyl-2-pentanone (MIBK)	50	400	50	400	50	400	0.018 U	0.018 U	0.019 U	0.0096 U	0.012 U	0.013 U	0.011 U

Table 3
Summary of Post-Excvaation Soil Analytical Results -- April 2010
Payne Cutlery
New Bedford, Massachusetts

Analysis	Analyte							SS-1	SS-2	SS-3	SS-4		SS-5	SS-6
							Sample Depth (ft.):	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5	0-0.5
							Sample Date:	4/2/2010	4/2/2010	4/2/2010	4/2/2010	4/2/2010	4/2/2010	4/2/2010
		S-1/GW-2	S-1/GW-3	S-2/GW-2	S-2/GW-3	S-3/GW-2	S-3/GW-3					Field Dup		
	Naphthalene	40	500	40	1000	40	3000	0.0036 U	0.0037 U	0.0039 U	0.0019 U	0.0024 U	0.0027 U	0.0022 U
	n-Propylbenzene	100(1)	100(1)	500(1)	500(1)	500(1)	500(1)	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	Styrene	4	30	4	200	4	1000	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,1,1,2-Tetrachloroethane	0.1	7	0.1	100	0.1	300	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,1,2,2-Tetrachloroethane	0.02	0.8	0.02	10	0.02	40	0.00089 U	0.00091 U	0.00096 U	0.00048 U	0.00060 U	0.00067 U	0.00054 U
	Tetrachloroethylene	10	30	10	200	10	1000	0.0018 U	0.0018 U	0.0019 U	**0.0024**	**0.0015**	0.0013 U	0.0011 U
	Tetrahydrofuran	NS	NS	NS	NS	NS	NS	0.0089 U	0.0091 U	0.0096 U	0.0048 U	0.0060 U	0.0067 U	0.0054 U
	Toluene	500	500	1000	1000	2000	3000	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	NS	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,2,4-Trichlorobenzene	70	500	70	900	70	900	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,1,1-Trichloroethane	500	500	600	1000	600	3000	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,1,2-Trichloroethane	2	4	2	60	2	200	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	Trichloroethylene	2	90	2	700	2	2000	0.0018 U	**0.029**	0.0019 U	**0.058**	**0.046**	0.0013 U	0.0011 U
	Trichlorofluoromethane (Freon 11)	NS	NS	NS	NS	NS	NS	0.0089 U	0.0091 U	0.0096 U	0.0048 U	0.0060 U	0.0067 U	0.0054 U
	1,2,3-Trichloropropane	NS	NS	NS	NS	NS	NS	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,2,4-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	500(1)	500(1)	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	1,3,5-Trimethylbenzene	100(1)	100(1)	500(1)	500(1)	500(1)	500(1)	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
	Vinyl Chloride	0.6	0.6	0.7	4	0.7	30	0.0089 U	0.0091 U	0.0096 U	0.0048 U	0.0060 U	0.0067 U	0.0054 U
	m+p Xylene	300	500	300	1000	300	3000	0.0036 U	0.0037 U	0.0039 U	0.0019 U	0.0024 U	0.0027 U	0.0022 U
	o-Xylene	300	500	300	1000	300	3000	0.0018 U	0.0018 U	0.0019 U	0.00096 U	0.0012 U	0.0013 U	0.0011 U
PAHs														
(mg/kg)	Acenaphthene	1,000	1,000	3,000	3,000	5,000	5,000	**1.2**	0.90 U	**1.0**	0.19 U	0.20 U	**0.63**	0.20 U
	Acenaphthylene	600	10	600	10	600	10	0.45 U	0.90 U	0.41 U	0.19 U	0.20 U	0.22 U	0.20 U
	Anthracene	1,000	1,000	3,000	3,000	5,000	5,000	**3.1**	**1.7**	**2.4**	0.19 U	0.20 U	**1.3**	0.20 U
	Benzo(a)anthracene	7	7	40	40	300	300	**12**	**5.9**	**8.6**	0.19 U	0.20 U	**3.5**	**0.27**
	Benzo(a)pyrene	2	2	4	4	30	30	**10**	**4.9**	**7.1**	0.19 U	0.20 U	**3.1**	**0.26**
	Benzo(b)fluoranthene	7	7	40	40	300	300	**13**	**6.0**	**9.7**	0.19 U	0.20 U	**4.0**	**0.34**
	Benzo(g,h,i)perylene	1,000	1,000	3,000	3,000	5,000	5,000	**5.0**	**4.7**	**3.4**	0.19 U	0.20 U	**1.2**	0.20 U
	Benzo(k)fluoranthene	70	70	400	400	3000	3000	**6.8**	**2.3**	**3.7**	0.19 U	0.20 U	**1.5**	0.20 U
	Chrysene	70	70	400	400	3000	3000	**12**	**6.0**	**8.7**	0.19 U	0.20 U	**3.6**	**0.33**
	Dibenz(a,h)anthracene	0.7	0.7	4	4	30	30	**1.4**	**1.3**	**0.98**	0.19 U	0.20 U	**0.33**	0.20 U
	Fluoranthene	1,000	1,000	3,000	3,000	5,000	5,000	**21**	**12**	**19**	**0.20**	0.20 U	**6.3**	**0.39**
	Fluorene	1,000	1,000	3,000	3,000	5,000	5,000	**0.95**	0.90 U	**0.87**	0.19 U	0.20 U	**0.62**	0.20 U
	Indeno(1,2,3-cd)pyrene	7	7	40	40	300	300	**6.9**	**5.2**	**4.8**	0.19 U	0.20 U	**1.5**	0.20 U
	2-Methylnaphthalene	80	300	80	500	80	500	0.45 U	0.90 U	0.41 U	0.19 U	0.20 U	**0.23**	0.20 U
	Naphthalene	40	500	40	1000	40	3000	0.45 U	0.90 U	**0.67**	0.19 U	0.20 U	**0.36**	0.20 U
	Phenanthrene	500	500	1000	1000	3000	3000	**14**	**8.2**	**14**	0.19 U	0.20 U	**6.3**	**0.31**
	Pyrene	1,000	1,000	3,000	3,000	5,000	5,000	**24**	**11**	**16**	**0.19**	0.20 U	**6.5**	**0.47**
Metals														
(mg/kg)	Chromium	30	30	200	200	200	200	**37**	**49**	**27**	**110**	**100**	**78**	**13**
	Nickel	20	20	700	700	700	700	**43**	**82**	**44**	**110**	**120**	**250**	**21**

Notes:

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

NS - No MassDEP standards exist for this analyte.

U - Compound was not detected at specified quantitation limit.

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

VOCs - Volatile Organic Compounds.

PAHs - Polynuclear Aromatic Hydrocarbons.

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

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

Table 4
Summary of for Groundwater Analytical Results -- April 2012
Payne Cutlery
New Bedford, Massachusetts

Analysis	Analyte		Sample ID:	CGW-8		CGW-10	CGW-11	CGW-14	CGW-15	CGW-16	CGW-17	TRC-1	TRC-2	TRC-3	TRC-4
			Sample Date:	4/5/2012	4/5/2012	4/5/2012	4/11/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/4/2012	4/4/2012	4/4/2012	4/4/2012
		GW-2	GW-3		Field Dup										
VOCs															
(ug/L)	Acetone	50,000	50,000	5,000 U	5,000 U	10 U	50 U	**10**	10 U	10 U	10 U	10 U	20 U	200 U	200 U
	tert-Amyl Methyl Ether (TAME)	NS	NS	250 U	250 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	10 U	10 U
	Benzene	2,000	10,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	Bromobenzene	NS	NS	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	Bromochloromethane	NS	NS	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	Bromodichloromethane	6	50,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	Bromoform	700	50,000	500 U	500 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	Bromomethane	7	800	2,500 U	2,500 U	5.0 U	2.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	100 U	100 U
	2-Butanone (MEK)	50,000	50,000	5,000 U	5,000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	200 U	200 U
	n-Butylbenzene	7,000[1]	50,000[1]	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	sec-Butylbenzene	7,000[1]	50,000[1]	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	tert-Butylbenzene	7,000[1]	50,000[1]	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	tert-Butyl Ethyl Ether (TBEE)	NS	NS	250 U	250 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	10 U	10 U
	Carbon Disulfide	NS	NS	2,500 U	2,500 U	5.0 U	10 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	100 U	100 U
	Carbon Tetrachloride	2	5,000	500 U	500 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	Chlorobenzene	200	1,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	Chlorodibromomethane	20	50,000	250 U	250 U	0.50 U	5.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	10 U	10 U
	Chloroethane	NS	NS	1,000 U	1,000 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	40 U	40 U
	Chloroform	50	20,000	1,000 U	1,000 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	40 U	40 U
	Chloromethane	NS	NS	1,000 U	1,000 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	40 U	40 U
	2-Chlorotoluene	NS	NS	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	4-Chlorotoluene	NS	NS	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,2-Dibromo-3-chloropropane (DBCP	NS	NS	1,000 U	1,000 U	2.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	40 U	40 U
	1,2-Dibromoethane (EDB)	2	50,000	250 U	250 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	10 U	10 U
	Dibromomethane	NS	NS	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,2-Dichlorobenzene	2000	2,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,3-Dichlorobenzene	2,000	50,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,4-Dichlorobenzene	200	8,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	Dichlorodifluoromethane (Freon 12)	NS	NS	1,000 U	1,000 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	40 U	40 U
	1,1-Dichloroethane	1,000	20,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,2-Dichloroethane	5	20,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,1-Dichloroethylene	80	30,000	500 U	500 U	1.0 U	**1.5**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	cis-1,2-Dichloroethylene	100	50,000	**8,200**	**6,500**	1.0 U	**160**	1.0 U	1.0 U	**6.3**	**1.1**	1.0 U	**56**	**61**	**50**
	trans-1,2-Dichloroethylene	90	50,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,2-Dichloropropane	3	50,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,3-Dichloropropane	NS	NS	250 U	250 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	10 U	10 U
	2,2-Dichloropropane	NS	NS	500 U	500 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,1-Dichloropropene	NS	NS	250 U	250 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	10 U	10 U
	cis-1,3-Dichloropropene	10[2]	200[2]	200 U	200 U	0.40 U	2.0 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	8.0 U	8.0 U
	trans-1,3-Dichloropropene	10[2]	200[2]	200 U	200 U	0.40 U	5.0 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.80 U	8.0 U	8.0 U
	Diethyl Ether	NS	NS	1,000 U	1,000 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	40 U	40 U
	Diisopropyl Ether (DIPE)	NS	NS	250 U	250 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	10 U	10 U
	1,4-Dioxane	6,000	50,000	50,000 U	50,000 U	100 U	50 U	100 U	100 U	100 U	100 U	100 U	200 U	2,000 U	2,000 U
	Ethylbenzene	20,000	5,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	Hexachlorobutadiene	1	3,000	250 U	250 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	10 U	10 U
	2-Hexanone (MBK)	NS	NS	5,000 U	5,000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	200 U	200 U
	Isopropylbenzene (Cumene)	7,000[1]	50,000[1]	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	p-Isopropyltoluene (p-Cymene)	7,000[1]	50,000[1]	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	Methyl tert-Butyl Ether (MTBE)	50,000	50,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	Methylene Chloride	10,000	50,000	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	100 U	100 U
	4-Methyl-2-pentanone (MIBK)	50,000	50,000	5,000 U	5,000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	200 U	200 U
	Naphthalene	1,000	20,000	2,500 U	2,500 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	100 U	100 U
	n-Propylbenzene	7,000[1]	50,000[1]	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	Styrene	100	6,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,1,1,2-Tetrachloroethane	10	50,000	500 U	500 U	1.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,1,2,2-Tetrachloroethane	9	50,000	250 U	250 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	1.0 U	10 U	10 U
	Tetrachloroethylene	50	30,000	**740**	**750**	1.0 U	**2.5**	1.0 U	1.0 U	**1.9**	1.0 U	1.0 U	**18**	**68**	**20**
	Tetrahydrofuran	NS	NS	1,000 U	1,000 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	40 U	40 U
	Toluene	50,000	40,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,2,3-Trichlorobenzene	NS	NS	1,000 U	1,000 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	40 U	40 U
	1,2,4-Trichlorobenzene	2,000	50,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,1,1-Trichloroethane	4,000	20,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,1,2-Trichloroethane	900	50,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	Trichloroethylene	30	5,000	**42,000**	**44,000**	1.0 U	**1,500**	**1.3**	**3.5**	**20**	**11**	**15**	**240**	**1,100**	**1,800**
	Trichlorofluoromethane (Freon 11)	NS	NS	1,000 U	1,000 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	40 U	40 U
	1,2,3-Trichloropropane	NS	NS	1,000 U	1,000 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	40 U	40 U
	1,2,4-Trimethylbenzene	7,000[1]	50,000[1]	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	1,3,5-Trimethylbenzene	7,000[1]	50,000[1]	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U
	Vinyl Chloride	2	50,000	1,000 U	1,000 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	40 U	40 U
	m+p Xylene	9,000	5,000	1,000 U	1,000 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	4.0 U	40 U	40 U
	o-Xylene	9,000	5,000	500 U	500 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	20 U	20 U

Table 4
Summary of for Groundwater Analytical Results -- April 2012
Payne Cutlery
New Bedford, Massachusetts

Analysis	Analyte	Sample ID:		CGW-8		CGW-10	CGW-11	CGW-14	CGW-15	CGW-16	CGW-17	TRC-1	TRC-2	TRC-3	TRC-4
			Sample Date:	4/5/2012	4/5/2012	4/5/2012	4/11/2012	4/5/2012	4/5/2012	4/5/2012	4/5/2012	4/4/2012	4/4/2012	4/4/2012	4/4/2012
		GW-2	GW-3		Field Dup										
VPH															
(ug/L)	C5-C8 Aliphatics	3,000	50,000	**15,000**	**14,000**	100 U	**1,200**	NA	NA	NA	100 U	100 U	**130**	NA	**800**
	C9-C12 Aliphatics	5,000	50,000	1,000 U	1,000 U	100 U	100 U	NA	NA	NA	100 U	100 U	100 U	NA	100 U
	C9-C10 Aromatics	7,000	50,000	1,000 U	1,000 U	100 U	100 U	NA	NA	NA	100 U	100 U	100 U	NA	100 U
	Benzene	2,000	10,000	10 U	10 U	1.0 U	1.0 U	NA	NA	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U
	Ethylbenzene	20,000	5,000	10 U	10 U	1.0 U	1.0 U	NA	NA	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U
	Methyl tert-Butyl Ether (MTBE)	50,000	50,000	10 U	10 U	1.0 U	1.0 U	NA	NA	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U
	Naphthalene	1,000	20,000	50 U	50 U	5.0 U	5.0 U	NA	NA	NA	5.0 U	5.0 U	5.0 U	NA	5.0 U
	Toluene	50,000	40,000	10 U	10 U	1.0 U	1.0 U	NA	NA	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U
	m+p Xylene	9,000	5,000	20 U	20 U	2.0 U	2.0 U	NA	NA	NA	2.0 U	2.0 U	2.0 U	NA	2.0 U
	o-Xylene	9,000	5,000	10 U	10 U	1.0 U	1.0 U	NA	NA	NA	1.0 U	1.0 U	1.0 U	NA	1.0 U
EPH															
(ug/L)	C9-C18 Aliphatics	5,000	50,000	100 U	100 U	NA	100 U	NA	NA	NA	NA	100 U	100 U	NA	100 U
	C19-C36 Aliphatics	NS	50,000	100 U	100 U	NA	100 U	NA	NA	NA	NA	100 U	100 U	NA	100 U
	C11-C22 Aromatics	50,000	5,000	100 U	100 U	NA	100 U	NA	NA	NA	NA	100 U	100 U	NA	100 U
	Acenaphthene	NS	6,000	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Acenaphthylene	10,000	40	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Anthracene	NS	30	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Benzo(a)anthracene	NS	1,000	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Benzo(a)pyrene	NS	500	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Benzo(b)fluoranthene	NS	400	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Benzo(g,h,i)perylene	NS	20	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Benzo(k)fluoranthene	NS	100	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Chrysene	NS	70	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Dibenz(a,h)anthracene	NS	40	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Fluoranthene	NS	200	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Fluorene	NS	40	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Indeno(1,2,3-cd)pyrene	NS	100	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	2-Methylnaphthalene	2,000	20,000	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Naphthalene	1,000	20,000	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Phenanthrene	NS	10,000	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U
	Pyrene	NS	20	2.0 U	2.0 U	NA	2.0 U	NA	NA	NA	NA	2.0 U	2.0 U	NA	2.0 U

Notes:
ug/L - micrograms per liter.
NA - Sample not analyzed for the listed analyte.
NS - No MassDEP standards exist for this analyte.
U - Compound was not detected at specified quantitation limit.
Values in **Bold** indicate the compound was detected.
VOCs - Volatile Organic Compounds.
VPH - Volatile Petroleum Hydrocarbons.
EPH - Extractable Petroleum Hydrocarbons.
(1) - MassDEP Method 1 standards for C9-C10 aromatic hydrocarbons used.
(2) - MassDEP Method 1 standards for 1,3-Dichloropropene used.

Table 5
Summary of Indoor and Ambient Air Samples Analytical Results from Taber Mill -- June 2012
Former Payne Cutlery
New Bedford, Massachusetts

Analysis	Analyte	Sample ID: / Sample Date:	TM IAQ-1	TM IAQ-B		TM-CRAWLSPACE-1	TM-CRAWLSPACE-2	AAQ
			6/29/2012	6/29/2012	6/29/2012	6/29/2012	6/29/2012	6/29/2012
		IATV			Field Dup			
APH								
(ug/m3)	1,3-Butadiene	NS	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
	Methyl tert butyl ether	39	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
	Benzene	2.3	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
	Toluene	54	**3.30**	**9.60**	**9.90**	**3.60**	**4.50**	**2.30**
	Ethylbenzene	7.4	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
	p/m-Xylene	20	4.00 U	**4.10**	**4.20**	4.00 U	4.00 U	4.00 U
	o-Xylene	20	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
	Naphthalene	0.61	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
	C5-C8 Aliphatics	58	**130**	**84.0**	**90.0**	**48.0**	**55.0**	**24.0**
	C9-C12 Aliphatics	68	**68.0**	**40.0**	**40.0**	**16.0**	**23.0**	14.0 U
	C9-C10 Aromatics	10	10.0 U	**13.0**	**14.0**	10.0 U	10.0 U	10.0 U
TO-15								
(ug/m3)	Vinyl chloride	0.27	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U
	Bromomethane	0.6	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
	Acetone	91	**64.4**	**34.7**	**33.5**	**26.8**	**25.2**	**15.1**
	1,1-Dichloroethene	0.8	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
	Methylene chloride	5	4.86 U	4.86 U	4.86 U	4.86 U	4.86 U	4.86 U
	trans-1,2-Dichloroethene	0.8	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
	1,1-Dichloroethane	0.8	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
	Methyl tert butyl ether	39	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
	2-Butanone	12	**3.18**	**10.40**	**8.76**	**4.48**	**2.41**	**2.06**
	cis-1,2-Dichloroethene	0.8	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
	Chloroform	1.9	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U	0.977 U
	1,2-Dichloroethane	0.09	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
	1,1,1-Trichloroethane	3	1.09 U	**1.14**	**1.27**	1.09 U	1.09 U	1.09 U
	Benzene	2.3	**0.891**	**0.805**	**0.866**	**0.789**	**0.939**	0.639 U
	Carbon tetrachloride	0.54	1.26 U	1.26 U	1.26 U	1.26 U	1.26 U	1.26 U
	1,2-Dichloropropane	0.13	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
	Bromodichloromethane	0.14	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
	1,4-Dioxane	0.59	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
	Trichloroethene	0.8	1.07 U	**1.27**	**1.72**	1.07 U	1.07 U	1.07 U
	cis-1,3-Dichloropropene	0.6	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
	4-Methyl-2-pentanone	2.2	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U	0.820 U
	trans-1,3-Dichloropropene	0.6	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
	1,1,2-Trichloroethane	0.15	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
	Toluene	54	**2.80**	**8.44**	**8.74**	**3.48**	**4.14**	**2.14**
	Dibromochloromethane	0.1	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U
	1,2-Dibromoethane	0.011	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
	Tetrachloroethene	1.4	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U	1.36 U
	Chlorobenzene	2.3	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
	Ethylbenzene	7.4	0.869 U	**1.18**	**1.20**	0.869 U	0.869 U	0.869 U
	p/m-Xylene	20	1.74 U	**4.00**	**3.96**	**2.48**	**2.67**	1.74 U
	Bromoform	2.2	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
	Styrene	1.4	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
	1,1,2,2-Tetrachloroethane	0.041	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
	o-Xylene	20	0.869 U	**1.42**	**1.48**	**0.899**	**1.00**	0.869 U
	1,3-Dichlorobenzene	0.6	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
	1,4-Dichlorobenzene	0.5	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
	1,2-Dichlorobenzene	0.72	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U	1.20 U
	1,2,4-Trichlorobenzene	3.4	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
	Naphthalene	0.61	**0.383 J**	**0.802 J**	**0.734 J**	1.05 U	1.05 U	1.05 U
	Hexachlorobutadiene	4.6	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U

Notes:

ug/m3 - micrograms per cubic meter.

J - Estimated value.

NS - No MassDEP Standards exist for this analyte.

U - Compound was not detected at specified quantitation limit.

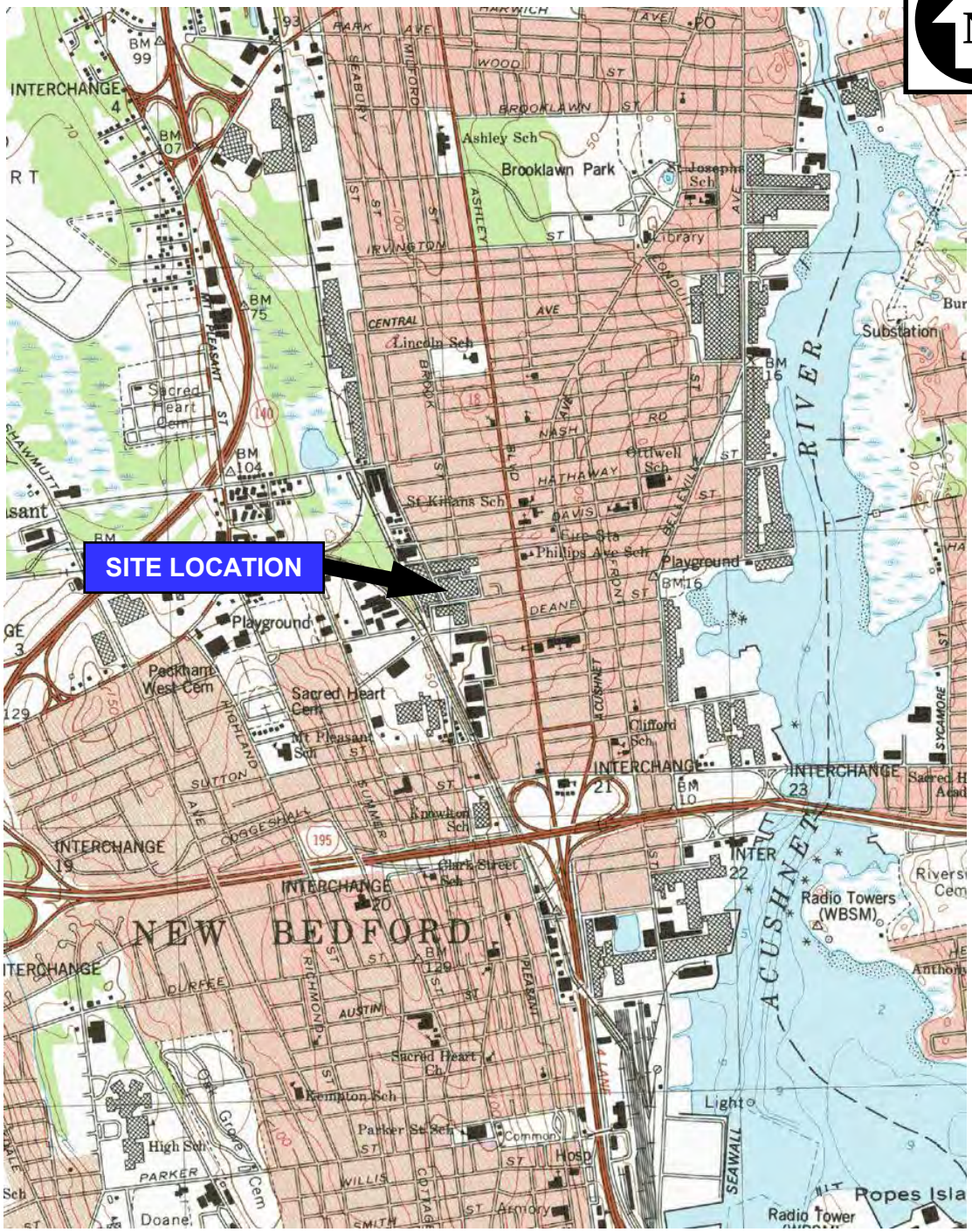
Values in **Bold** indicate the compound was detected.

APH - Air-Phase Petroleum Hydrocarbons.

TO - Toxic organics.

IATV - MassDEP, Indoor Air Threshold Values (IATV), Vapor Intrusion Guidance - Interim Final, December 2011.

FIGURES



BASE MAP IS A PORTION OF THE FOLLOWING 7.5' X 15' USGS TOPOGRAPHIC QUADRANGLE: NEW BEDFORD NORTH, MA, 1979

0 1000 2000 3000

scale in feet

QUADRANGLE LOCATION

FORMER PAYNE CUTLERY
295 PHILLIPS AVENUE
NEW BEDFORD, MASSACHUSETTS

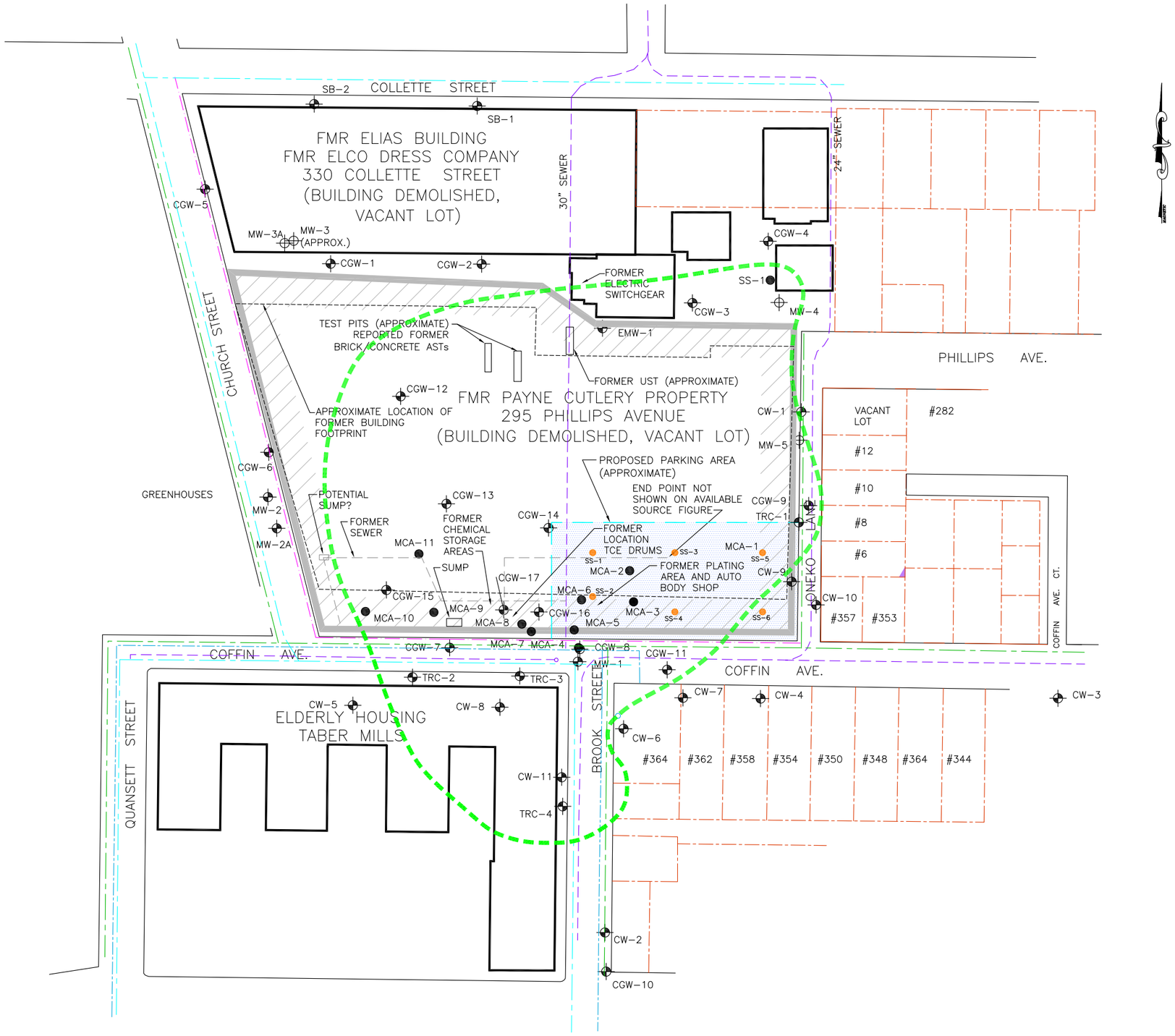
LOCUS MAP

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

FIGURE 1

Drawn: HWB
Checked: DS
SCALE: AS SHOWN
Date 9/06/05

T:\E_CAD\47284\Payne ASTM Phase I\Payne-TOPO.ppt



NOTES:

1) UTILITES AND BASE MAP WERE DIGITIZED FROM AN UNDATED, PLAN ENTITLED "SITE PLAN, FORMER PAYNE CUTTLERY & VICINITY NEW BEDFORD, MA.", PREPARED BY CYGNUS GROUP, INCORPORATED OF SOUTHBOROUGH MA. SHEET 1 OF 1 ORIGINAL SCALE 1"=50'. LOCATION OF FORMER BUILDING FOOTPRINT WAS DIGITIZED FROM A SANBORN FIRE INSURANCE MAP FROM ENVIRONMENTAL DATA RESOURCES.

2) ALL WELL AND BORING LOCATIONS ARE APPROXIMATE.

LEGEND:

- MCA-2 — SOIL BORINGS INSTALLED BY OTHERS
- MW-1 — GROUNDWATER MONITORING WELLS INSTALLED BY OTHERS
- TRC-4 — GROUNDWATER MONITORING WELLS INSTALLED BY TRC
- SS-6 — SURFACE SOIL SAMPLED COLLECTED BY TRC, APRIL 2010
- DELINEATES APPROXIMATE BOUNDARY OF FORMER PAYNE CUTLERY PROPERTY
- APPROXIMATE DISPOSAL SITE BOUNDARY
- SEWER LINE
- OVERHEAD ELECTRIC/COMM. WIRES
- UNDERGROUND ELECTRIC WIRES
- WATER LINES
- GAS LINE
- APPROXIMATE LOCATION OF FORMER BUILDING FOOTPRINT
- APPROXIMATE LOCATION OF PARKING AREA

APPROXIMATE GRAPHIC SCALE

0' 50' 100' 200'

FORMER PAYNE CUTLERY
295 PHILLIPS AVENUE
NEW BEDFORD, MA.

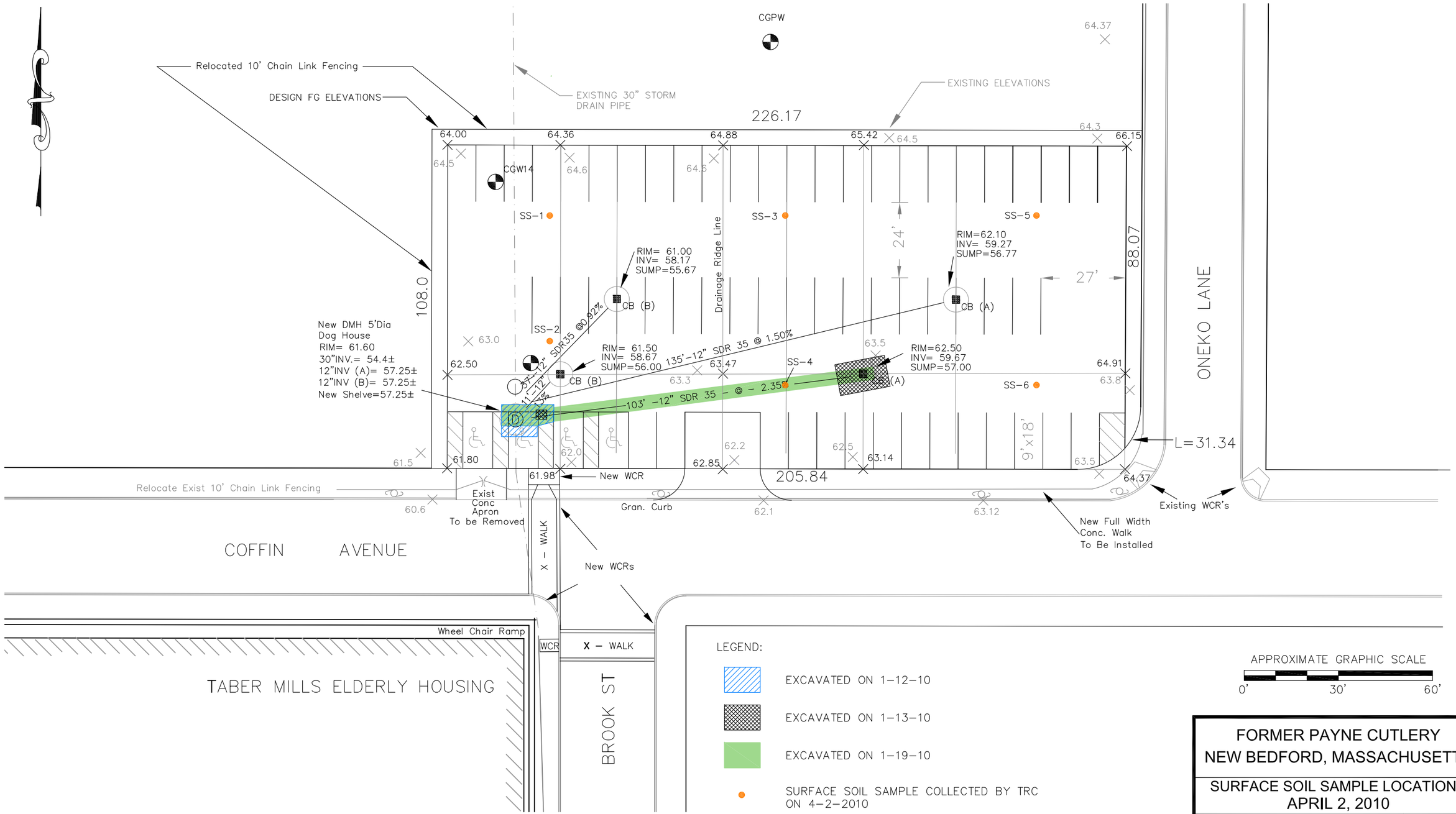
DISPOSAL MAP SITE

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

DRAWN BY: HWB
CHECKED BY: ACL
DATE: DEC 2012

FIGURE 2

FILE: T:\E_CAD\172744\DISPOSAL SITE MAP - 12-12.dwg



NOTE:
DRAWING BASED ON "TABER MILLS ELDERLY HOUSING, PARKING LOT AND DRAINAGE DESIGN" PREPARED BY CITY OF NEW BEDFORD DEPARTMENT OF PUBLIC INFRASTRUCTURE, ENGINEERING DIVISION, DATED OCTOBER, 2009, REVISED NOVEMBER 2009.

FILE: T:\E_CAD\172744\Surface soil sample locations 4-2-10.dwg

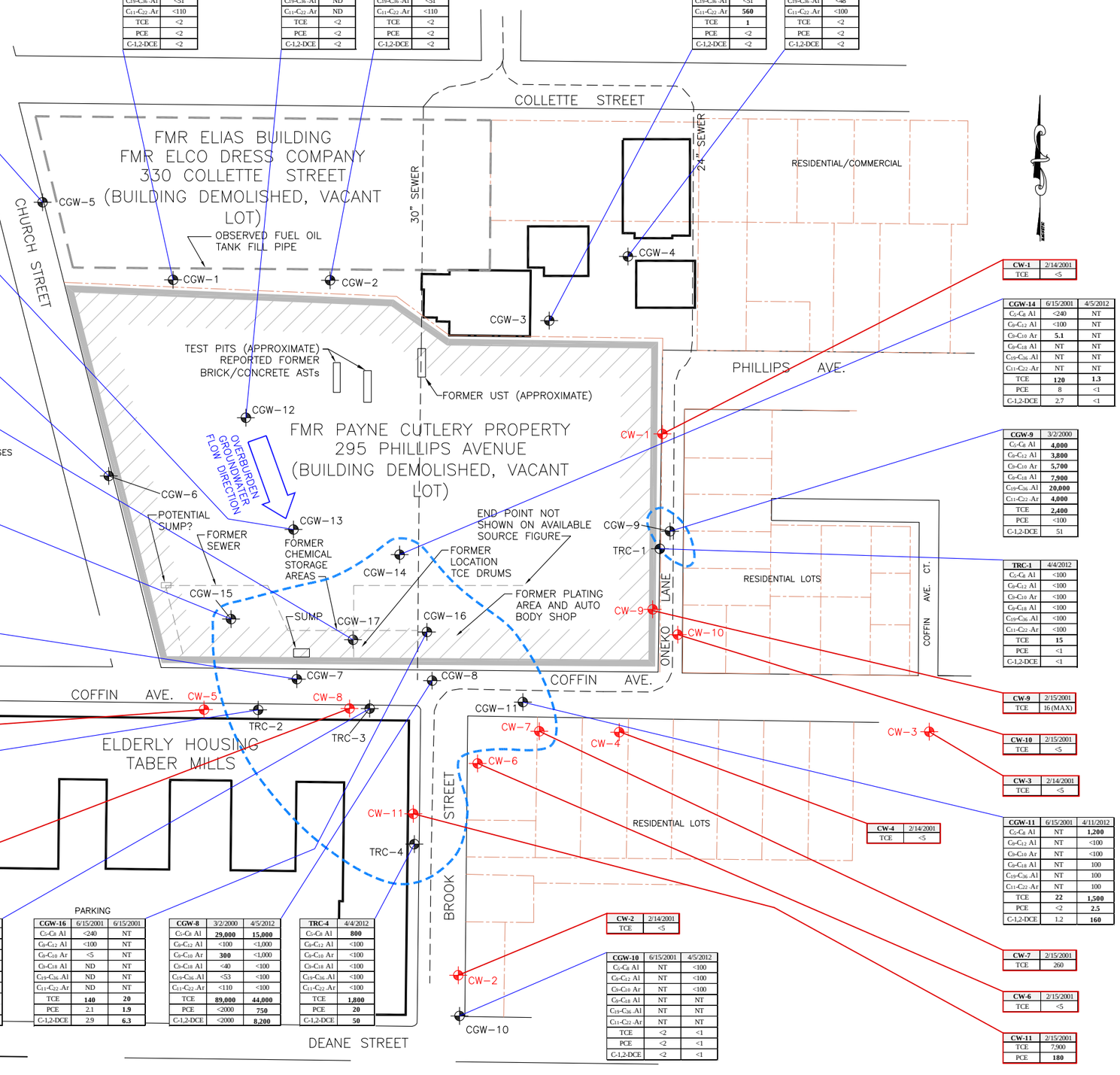
FORMER PAYNE CUTLERY
NEW BEDFORD, MASSACHUSETTS

SURFACE SOIL SAMPLE LOCATIONS
APRIL 2, 2010

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

DRAWN BY: JSG
CHECKED BY:
DATE: SEPT 2010

FIGURE 3



CGW-5	3/2/2000
C_5-C_8 Al	<240
C_9-C_{12} Al	<100
C_9-C_{10} Ar	<70
C_9-C_{18} Al	<31
C_{19}-C_{36} -Al	<42
C_{11}-C_{22} -Ar	<88
TCE	<2
PCE	<2
C-1,2-DCE	<2

CGW-1	3/2/2000
C_5-C_8 Al	<240
C_9-C_{12} Al	<100
C_9-C_{10} Ar	<70
C_9-C_{18} Al	<38
C_{19}-C_{36} -Al	<51
C_{11}-C_{22} -Ar	<110
TCE	<2
PCE	<2
C-1,2-DCE	<2

CGW-12	6/15/2001
C_5-C_8 Al	<240
C_9-C_{12} Al	<100
C_9-C_{10} Ar	**5.4**
C_9-C_{18} Al	ND
C_{19}-C_{36} -Al	ND
C_{11}-C_{22} -Ar	ND
TCE	<2
PCE	<2
C-1,2-DCE	<2

CGW-2	3/2/2000
C_5-C_8 Al	<240
C_9-C_{12} Al	<100
C_9-C_{10} Ar	<70
C_9-C_{18} Al	<38
C_{19}-C_{36} -Al	<51
C_{11}-C_{22} -Ar	<110
TCE	<2
PCE	<2
C-1,2-DCE	<2

CGW-3	3/2/2000
C_5-C_8 Al	<240
C_9-C_{12} Al	**240**
C_9-C_{10} Ar	**200**
C_9-C_{18} Al	**410**
C_{19}-C_{36} -Al	<51
C_{11}-C_{22} -Ar	**560**
TCE	**1**
PCE	<2
C-1,2-DCE	<2

CGW-4	3/2/2000
C_5-C_8 Al	<240
C_9-C_{12} Al	<100
C_9-C_{10} Ar	<140
C_9-C_{18} Al	<56
C_{19}-C_{36} -Al	<48
C_{11}-C_{22} -Ar	<100
TCE	<2
PCE	<2
C-1,2-DCE	<2

CGW-13	6/15/2001
C_5-C_8 Al	<2,400
C_9-C_{12} Al	**1,300**
C_9-C_{10} Ar	**320**
C_9-C_{18} Al	ND
C_{19}-C_{36} -Al	ND
C_{11}-C_{22} -Ar	ND
TCE	**15 J**
PCE	<20
C-1,2-DCE	<20

CGW-6	3/2/2000
C_5-C_8 Al	<240
C_9-C_{12} Al	<100
C_9-C_{10} Ar	<70
C_9-C_{18} Al	NT
C_{19}-C_{36} -Al	NT
C_{11}-C_{22} -Ar	NT
TCE	<2
PCE	<2
C-1,2-DCE	<2

CGW-17	6/15/2001	4/5/2012
C_5-C_8 Al	**3,000**	<100
C_9-C_{12} Al	<100	<100
C_9-C_{10} Ar	**17**	<100
C_9-C_{18} Al	ND	NT
C_{19}-C_{36} -Al	ND	NT
C_{11}-C_{22} -Ar	ND	NT
TCE	**8,700**	**11**
PCE	**110**	<1
C-1,2-DCE	**240**	**1.1**

CGW-15	6/15/2001	4/5/2012
C_5-C_8 Al	<240	NT
C_9-C_{12} Al	<100	NT
C_9-C_{10} Ar	<5	NT
C_9-C_{18} Al	ND	NT
C_{19}-C_{36} -Al	ND	NT
C_{11}-C_{22} -Ar	ND	NT
TCE	**94**	**3.5**
PCE	<2	<1
C-1,2-DCE	<5.5	<1

CGW-7	3/2-10/2000
C_5-C_8 Al	**950**
C_9-C_{12} Al	<100
C_9-C_{10} Ar	<70
C_9-C_{18} Al	<45
C_{19}-C_{36} -Al	<60
C_{11}-C_{22} -Ar	<70
TCE	**2,100**
PCE	46
C-1,2-DCE	<20

CW-5	2/15/2001
TCE	<5

TRC-2	4/4/2012
C_5-C_8 Al	**130**
C_9-C_{12} Al	<100
C_9-C_{10} Ar	<100
C_9-C_{18} Al	<100
C_{19}-C_{36} -Al	<100
C_{11}-C_{22} -Ar	<100
TCE	**240**
PCE	**18**
C-1,2-DCE	**56**

CW-8	2/15/2001
TCE	15,000
PCE	**140**

TRC-3	4/4/2012
C_5-C_8 Al	NT
C_9-C_{12} Al	NT
C_9-C_{10} Ar	NT
C_9-C_{18} Al	NT
C_{19}-C_{36} -Al	NT
C_{11}-C_{22} -Ar	NT
TCE	**1,100**
PCE	**68**
C-1,2-DCE	**61**

CGW-16	6/15/2001	6/15/2001
C_5-C_8 Al	<240	NT
C_9-C_{12} Al	<100	NT
C_9-C_{10} Ar	<5	NT
C_9-C_{18} Al	ND	NT
C_{19}-C_{36} -Al	ND	NT
C_{11}-C_{22} -Ar	ND	NT
TCE	**140**	**20**
PCE	2.1	**1.9**
C-1,2-DCE	2.9	**6.3**

CGW-8	3/2/2000	4/5/2012
C_5-C_8 Al	**29,000**	**15,000**
C_9-C_{12} Al	<100	<1,000
C_9-C_{10} Ar	**300**	<1,000
C_9-C_{18} Al	<40	<100
C_{19}-C_{36} -Al	<53	<100
C_{11}-C_{22} -Ar	<110	<100
TCE	**89,000**	**44,000**
PCE	<2000	**750**
C-1,2-DCE	<2000	**8,200**

TRC-4	4/4/2012
C_5-C_8 Al	**800**
C_9-C_{12} Al	<100
C_9-C_{10} Ar	<100
C_9-C_{18} Al	<100
C_{19}-C_{36} -Al	<100
C_{11}-C_{22} -Ar	<100
TCE	**1,800**
PCE	**20**
C-1,2-DCE	**50**

CW-1	2/14/2001
TCE	<5

CGW-14	6/15/2001	4/5/2012
C_5-C_8 Al	<240	NT
C_9-C_{12} Al	<100	NT
C_9-C_{10} Ar	**5.1**	NT
C_9-C_{18} Al	NT	NT
C_{19}-C_{36} -Al	NT	NT
C_{11}-C_{22} -Ar	NT	NT
TCE	**120**	**1.3**
PCE	8	<1
C-1,2-DCE	2.7	<1

CGW-9	3/2/2000
C_5-C_8 Al	**4,000**
C_9-C_{12} Al	**3,800**
C_9-C_{10} Ar	**5,700**
C_9-C_{18} Al	**7,900**
C_{19}-C_{36} -Al	**20,000**
C_{11}-C_{22} -Ar	**4,000**
TCE	**2,400**
PCE	<100
C-1,2-DCE	51

TRC-1	4/4/2012
C_5-C_8 Al	<100
C_9-C_{12} Al	<100
C_9-C_{10} Ar	<100
C_9-C_{18} Al	<100
C_{19}-C_{36} -Al	<100
C_{11}-C_{22} -Ar	<100
TCE	**15**
PCE	<1
C-1,2-DCE	<1

CW-9	2/15/2001
TCE	16 (MAX)

CW-10	2/15/2001
TCE	<5

CW-3	2/14/2001
TCE	<5

CW-4	2/14/2001
TCE	<5

CGW-11	6/15/2001	4/11/2012
C_5-C_8 Al	NT	**1,200**
C_9-C_{12} Al	NT	<100
C_9-C_{10} Ar	NT	<100
C_9-C_{18} Al	NT	100
C_{19}-C_{36} -Al	NT	100
C_{11}-C_{22} -Ar	NT	100
TCE	**22**	**1,500**
PCE	<2	**2.5**
C-1,2-DCE	1.2	**160**

CW-7	2/15/2001
TCE	260

CW-6	2/15/2001
TCE	<5

CW-11	2/15/2001
TCE	7,900
PCE	**180**

CW-2	2/14/2001
TCE	<5

CGW-10	6/15/2001	4/5/2012
C_5-C_8 Al	NT	<100
C_9-C_{12} Al	NT	<100
C_9-C_{10} Ar	NT	<100
C_9-C_{18} Al	NT	NT
C_{19}-C_{36} -Al	NT	NT
C_{11}-C_{22} -Ar	NT	NT
TCE	<2	<1
PCE	<2	<1
C-1,2-DCE	<2	<1

LEGEND:

LABORATORY DATA SUMMARY

COMPOUND NAMES — WELL ID — SAMPLE DATE

	CGW-7	3/2-10/2000
C_5-C_8 ALIPHATICS	C_5-C_8 Al	**950**
C_9-C_{12} ALIPHATICS	C_9-C_{12} Al	<100
C_9-C_{10} AROMATICS	C_9-C_{10} Ar	<70
C_9-C_{18} ALIPHATICS	C_9-C_{18} Al	<45
C_{19}-C_{36} -ALIPHATICS	C_{19}-C_{36} -Al	<60
C_{11}-C_{22} -AROMATICS	C_{11}-C_{22} -Ar	<70
TRICHLOROETHENE	TCE	**2,100**
TETRACHLOROETHENE	PCE	46
CIS-1,2-DICHLOROETHENE	C-1,2-DCE	<20

COMPOUND ABBREVIATION

BOLD = COMPOUND DETECTED

CONCENTRATION FOUND ug/L

AQUEOUS HEADSPACE GC SCREENING DATA SUMMARY

COMPOUND NAMES — SAMPLE ID — SAMPLE DATE

	CW-8	2/15/2001
TRICHLOROETHENE	TCE	15,000
TETRACHLOROETHENE	PCE	**140**

CONCENTRATION FOUND ug/L

BOLD = COMPOUND DETECTED

MASSDEP REGULATORY THRESHOLDS

COMPOUND NAMES		SCREENING VALUE (ug/L)
C_5-C_8 ALIPHATICS	C_5-C_8 Al	3,000
C_9-C_{12} ALIPHATICS	C_9-C_{12} Al	5,000
C_9-C_{10} AROMATICS	C_9-C_{10} Ar	7,000
C_9-C_{18} ALIPHATICS	C_9-C_{18} Al	5,000
C_{19}-C_{36} -ALIPHATICS	C_{19}-C_{36} -Al	no standard
C_{11}-C_{22} -AROMATICS	C_{11}-C_{22} -Ar	50,000
TRICHLOROETHENE	TCE	30
TETRACHLOROETHENE	PCE	50
CIS-1,2-DICHLOROETHENE	C-1,2-DCE	100

GC– GAS CHROMATOGRAPHY
<–NOT DETECTED AT REPORTING LIMIT PROVIDED
J– ESTIMATED
NT– NOT TESTED
ND– NON–DETECT (REPORTING LIMIT NOT PROVIDED)
(ug/L)– MICROGRAMS PER LITER
MCP– MASSACHUSETTS CONTINGENCY PLAN

LABORATORY DATA BOX CONNECTOR
SCREENING DATA BOX CONNECTOR
APPROX. 30 ug/L TCE CONTOUR (GW–2)
DELINEATES BOUNDARY OF FORMER PAYNE CUTLERY PROPERTY. HASH MARKS ARE ON INSIDE OF PROPERTY BOUNDARY.
EXISTING MONITORING WELL
TEMPORARY MONITORING WELL
LOT LINES
APPROX. LOCATION OF SEWER LINE
APPROX. LOCATION OF FORMER SEWER LINE

NOTES:
1. BASE MAP WAS DIGITIZED FROM A COPY OF AN UNDATED PLAN ENTITLED "SITE PLAN" PREPARED BY CYGNUS GROUP OF SOUTHBOROUGH MA. FIG 2 ORIGINAL SCALE 1"=50'.

APPROXIMATE GRAPHIC SCALE
0' 50' 100' 200'

SITE PLAN WITH GROUNDWATER SAMPLING RESULTS

FORMER PAYNE CUTLERY
295 PHILLIPS AVE, NEW BEDFORD, MA

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

DRAWN BY: HWB
CHECKED BY: ACL
DATE: NOV 2012

FIGURE 4

THIS DRAWING REFERENCES BUT IS NOT LINKED TO T:\E_CAD\172744\JULY 2012 GROUNDWATER RESULTS.xlsx

FILE: T:\E_CAD\172744\PAYNE – GW RESULTS 11–12.dwg

362 Coffin Avenue	Basement 362C-1 3/27/2000	1st Floor 362C-2 3/27/2000	Basement 362B 3/28/2001	1st Floor 362L 3/28/2001
tol	168	32.2	30.4	8.29
C5-C8 Al	NT	NT	NT	NT
C9-C12 Al	NT	NT	NT	NT
C9-C10 Ar	NT	NT	NT	NT
Acetone	NT	NT	NT	NT
2-Butanone	NT	NT	NT	NT
1,2-DCA	NT	NT	NT	NT
1,1,1-TCA	86.5	12.3	16.6	2.18 U
benz	39	44.1	6.77	5.46
C. Tetrachloride	NT	NT	NT	NT
TCE	1.82 U^	1.82 U^	1.82 U^	1.82 U^
ethbenz	32.8	2.9	4.64	2.34 U
m,p-X	150	8.76	25.2	1.65 U
o-X	55.9	3.94	6.85	1.99 U
1,4-DCB	4.87 U^	4.87 U^	4.87 U^	4.87 U^
Napthalene	NT	NT	NT	NT

295 Phillips Ave	Courtyard 295P-1A 3/27/2000
tol	3.58 U
C5-C8 Al	NT
C9-C12 Al	NT
C9-C10 Ar	NT
Acetone	NT
2-Butanone	NT
1,2-DCA	NT
1,1,1-TCA	2.18 U
benz	2.88 U^
C. Tetrachloride	NT
TCE	1.82 U^
ethbenz	2.34 U
m,p-X	3.55
o-X	1.99 U
1,4-DCB	4.87 U^
Napthalene	NT

12 Oneko Lane	Basement 12O-1 3/27/2000	1st Floor 12O-2 3/27/2000
tol	5.69	19.5
C5-C8 Al	NT	NT
C9-C12 Al	NT	NT
C9-C10 Ar	NT	NT
Acetone	NT	NT
2-Butanone	NT	NT
1,2-DCA	NT	NT
1,1,1-TCA	2.18 U	2.18 U
benz	2.88 U^	6.65
C. Tetrachloride	NT	NT
TCE	1.82 U^	1.82 U^
ethbenz	2.34 U	2.69
m,p-X	5.59	8.15
o-X	2.56	1.99 U
1,4-DCB	4.87 U^	4.87 U^
Napthalene	NT	NT

8 Oneko Lane	Basement 8 Oneko B 3/28/2000	1st Floor 8 Onek 1st 3/28/2000
tol	13.1	43.7
C5-C8 Al	NT	NT
C9-C12 Al	NT	NT
C9-C10 Ar	NT	NT
Acetone	NT	NT
2-Butanone	NT	NT
1,2-DCA	NT	NT
1,1,1-TCA	5.55	22.8
benz	3.8	12.8
C. Tetrachloride	NT	NT
TCE	1.82 U^	1.82 U^
ethbenz	2.38	8.63
m,p-X	9.15	26.6
o-X	6.03	7.98
1,4-DCB	4.87 U^	65.5
Napthalene	NT	NT

6 Oneko Lane	Basement 6O-1 3/27/2000	Basement 6O-3# 3/27/2000	1st Floor 6O-2 3/27/2000
tol	6.86	7.04	35
C5-C8 Al	NT	NT	NT
C9-C12 Al	NT	NT	NT
C9-C10 Ar	NT	NT	NT
Acetone	NT	NT	NT
2-Butanone	NT	NT	NT
1,2-DCA	NT	NT	NT
1,1,1-TCA	2.18 U	2.18 U	2.18 U
benz	3.58	2.88 U^	4.38
C. Tetrachloride	NT	NT	NT
TCE	1.82 U^	1.82 U^	1.82 U^
ethbenz	2.34 U	2.34 U	2.6
m,p-X	4.42	4.68	8.06
o-X	2.04	2.12	3.81
1,4-DCB	4.87 U^	4.87 U^	4.87 U^
Napthalene	NT	NT	NT

364 Coffin Avenue	Basement 364C-1 3/27/2000	1st Floor 364C-2 3/27/2000
tol	62.5	42.9
C5-C8 Al	NT	NT
C9-C12 Al	NT	NT
C9-C10 Ar	NT	NT
Acetone	NT	NT
2-Butanone	NT	NT
1,2-DCA	NT	NT
1,1,1-TCA	2.18 U	5.49
benz	14.4	13
C. Tetrachloride	NT	NT
TCE	1.82 U^	1.82 U^
ethbenz	12.1	6.29
m,p-X	55.5	27.3
o-X	19.7	10.4
1,4-DCB	4.87 U^	8.36
Napthalene	NT	NT

Taber Mill	AAQ Outdoor Ambient 6/29/2012
tol	2.30
C5-C8 Al	24.0
C9-C12 Al	14.0 U
C9-C10 Ar	10.0 U
Acetone	15.1
2-Butanone	2.06
1,2-DCA	0.081 U
1,1,1-TCA	1.09 U
benz	0.639 U
C. Tetrachloride	0.352
TCE	0.640
ethbenz	0.869 U
m,p-X	1.74 U
o-X	0.869 U
1,4-DCB	0.120 U
Napthalene	0.262 U

Taber Mill	TM IAQ-1 First Floor 6/29/2012
tol	3.30
C5-C8 Al	130
C9-C12 Al	68.0
C9-C10 Ar	10.0 U
Acetone	64.4
2-Butanone	3.18
1,2-DCA	0.134
1,1,1-TCA	1.09 U
benz	0.891
C. Tetrachloride	0.358
TCE	0.274
ethbenz	0.869 U
m,p-X	1.74 U
o-X	0.869 U
1,4-DCB	0.120 U
Napthalene	0.383 J

Taber Mill	TM-CRAWLSPACE-2 Crawlspace 6/29/2012
tol	4.50
C5-C8 Al	55.0
C9-C12 Al	23.0
C9-C10 Ar	10.0 U
Acetone	25.2
2-Butanone	2.41
1,2-DCA	0.142
1,1,1-TCA	1.09 U
benz	0.939
C. Tetrachloride	0.352
TCE	0.677
ethbenz	0.869 U
m,p-X	2.67
o-X	1.00
1,4-DCB	0.120 U
Napthalene	0.262 U

Taber Mill	TM-CRAWLSPACE-1 Crawlspace 6/29/2012
tol	3.60
C5-C8 Al	48.0
C9-C12 Al	16.0
C9-C10 Ar	10.0 U
Acetone	26.8
2-Butanone	4.48
1,2-DCA	0.085
1,1,1-TCA	1.09 U
benz	0.789
C. Tetrachloride	0.352
TCE	0.338
ethbenz	0.869 U
m,p-X	2.48
o-X	0.899
1,4-DCB	0.120 U
Napthalene	0.262 U

Taber Mill	Basement Taber Mill B 3/28/2000	1st Floor Taber Mill 1st. 3/28/2000	Basement #107671 3/28/2001	Basement #107672 3/28/2001	1st Floor #107673 3/28/2001
tol	10.9	16.9	250	244	57.6
C5-C8 Al	NT	NT	NT	NT	NT
C9-C12 Al	NT	NT	NT	NT	NT
C9-C10 Ar	NT	NT	NT	NT	NT
Acetone	NT	NT	NT	NT	NT
2-Butanone	NT	NT	NT	NT	NT
1,2-DCA	NT	NT	NT	NT	NT
1,1,1-TCA	344	18.9	3.43	3.32	2.18 U
benz	4.6	5.05	4.5	5.4	2.88 U^
C. Tetrachloride	NT	NT	NT	NT	NT
TCE	37.4	13.9	264	251	3.91
ethbenz	2.34 U	3.25	48.3	47.1	2.34 U
m,p-X	7.28	11.7	225	218	5.94
o-X	3.38	5.42	86	83.7	4.73
1,4-DCB	18.3	42	4.87 U^	4.87 U^	4.87 U^
Napthalene	NT	NT	NT	NT	NT

Taber Mill	TM IAQ-B Basement 6/29/2012
tol	9.90
C5-C8 Al	90
C9-C12 Al	40.0
C9-C10 Ar	14
Acetone	33.5
2-Butanone	8.76
1,2-DCA	0.125
1,1,1-TCA	1.27
benz	0.866
C. Tetrachloride	0.377
TCE	1.72
ethbenz	1.20
m,p-X	4.20
o-X	1.48
1,4-DCB	0.126
Napthalene	0.734 J

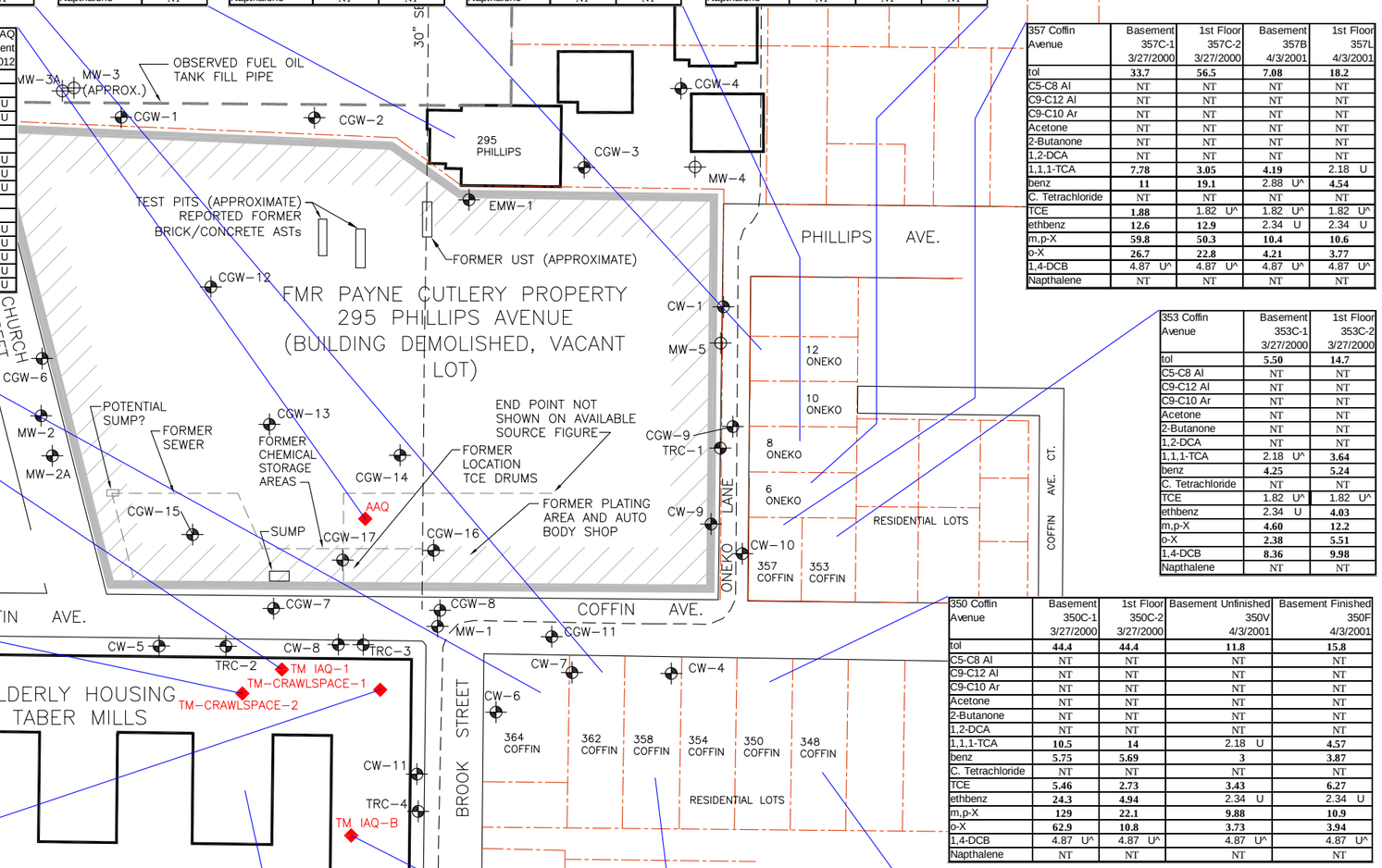
358 Coffin Avenue	Basement 92530 3/29/2000	1st Floor 92529 3/29/2000
tol	75.3	13.8
C5-C8 Al	NT	NT
C9-C12 Al	NT	NT
C9-C10 Ar	NT	NT
Acetone	NT	NT
2-Butanone	NT	NT
1,2-DCA	NT	NT
1,1,1-TCA	6.69	4.79
benz	12.7	5.46
C. Tetrachloride	NT	NT
TCE	1.82 U^	1.82 U^
ethbenz	14.9	2.34 U
m,p-X	66.8	6.89
o-X	26.2	3.60
1,4-DCB	4.87 U^	4.87 U^
Napthalene	NT	NT

348 Coffin Avenue	Basement 348 Coffin St B 3/28/2000	Basement 348 Coffin St A 3/28/2000	1st Floor 348 Coffin St 1 3/28/2000	Basement 348 B 3/28/2001	1st Floor 348L 3/28/2001
tol	7.38	7.38	19.5	3.58 U	7.83
C5-C8 Al	NT	NT	NT	NT	NT
C9-C12 Al	NT	NT	NT	NT	NT
C9-C10 Ar	NT	NT	NT	NT	NT
Acetone	NT	NT	NT	NT	NT
2-Butanone	NT	NT	NT	NT	NT
1,2-DCA	NT	NT	NT	NT	NT
1,1,1-TCA	5.82	3.48	128	2.18 U	2.18
benz	2.88	3	4.63	2.88 U^	2.88
C. Tetrachloride	NT	NT	NT	NT	NT
TCE	1.82 U^	1.82 U^	1.82 U^	1.82 U^	1.82 U^
ethbenz	2.34 U	2.34 U	2.34 U	2.34 U	2.34 U
m,p-X	3.81	3.68	6.33	1.65 U	1.65 U
o-X	2.04	1.99 U	3.12	1.99 U	1.99 U
1,4-DCB	6.01	4.87 U^	31	4.87 U^	4.87 U^
Napthalene	NT	NT	NT	NT	NT

357 Coffin Avenue	Basement 357C-1 3/27/2000	1st Floor 357C-2 3/27/2000	Basement 357B 4/3/2001	1st Floor 357L 4/3/2001
tol	33.7	56.5	7.08	18.2
C5-C8 Al	NT	NT	NT	NT
C9-C12 Al	NT	NT	NT	NT
C9-C10 Ar	NT	NT	NT	NT
Acetone	NT	NT	NT	NT
2-Butanone	NT	NT	NT	NT
1,2-DCA	NT	NT	NT	NT
1,1,1-TCA	7.78	3.05	4.19	2.18 U
benz	11	19.1	2.88 U^	4.54
C. Tetrachloride	NT	NT	NT	NT
TCE	1.88	1.82 U^	1.82 U^	1.82 U^
ethbenz	12.6	12.9	2.34 U	2.34 U
m,p-X	59.8	50.3	10.4	10.6
o-X	26.7	22.8	4.21	3.77
1,4-DCB	4.87 U^	4.87 U^	4.87 U^	4.87 U^
Napthalene	NT	NT	NT	NT

353 Coffin Avenue	Basement 353C-1 3/27/2000	1st Floor 353C-2 3/27/2000
tol	5.50	14.7
C5-C8 Al	NT	NT
C9-C12 Al	NT	NT
C9-C10 Ar	NT	NT
Acetone	NT	NT
2-Butanone	NT	NT
1,2-DCA	NT	NT
1,1,1-TCA	2.18 U^	3.64
benz	4.25	5.24
C. Tetrachloride	NT	NT
TCE	1.82 U^	1.82 U^
ethbenz	2.34 U	4.03
m,p-X	4.60	12.2
o-X	2.38	5.51
1,4-DCB	8.36	9.98
Napthalene	NT	NT

350 Coffin Avenue	Basement 350C-1 3/27/2000	1st Floor 350C-2 3/27/2000	Basement Unfinished 350V 4/3/2001	Basement Finished 350F 4/3/2001
tol	44.4	44.4	11.8	15.8
C5-C8 Al	NT	NT	NT	NT
C9-C12 Al	NT	NT	NT	NT
C9-C10 Ar	NT	NT	NT	NT
Acetone	NT	NT	NT	NT
2-Butanone	NT	NT	NT	NT
1,2-DCA	NT	NT	NT	NT
1,1,1-TCA	10.5	14	2.18 U	4.57
benz	5.75	5.69	3	3.87
C. Tetrachloride	NT	NT	NT	NT
TCE	5.46	2.73	3.43	6.27
ethbenz	24.3	4.94	2.34 U	2.34 U
m,p-X	129	22.1	9.88	10.9
o-X	62.9	10.8	3.73	3.94
1,4-DCB	4.87 U^	4.87 U^	4.87 U^	4.87 U^
Napthalene	NT	NT	NT	NT



LEGEND:

LABORATORY DATA SUMMARY

Compound Name	Address	Location/Sample ID/Date	
	353 Coffin Avenue	Basement 353C-1 3/27/2000	1st Floor 353C-2 3/27/2000
Toluene	tol	5.50	14.7
C5-C8 Aliphatics	C5-C8 Al	NT	NT
C9-C12 Aliphatics	C9-C12 Al	NT	NT
C9-C10 Aromatics	C9-C10 Ar	NT	NT
Acetone	Acetone	NT	NT
2-Butanone	2-Butanone	NT	NT
1,2-Dichloroethane	1,2-DCA	NT	NT
1,1,1-trichloroethane	1,1,1-TCA	2.18 U	3.64
benzene	benz	4.25	5.24
Carbon Tetrachloride	C. Tetrachloride	NT	NT
trichloroethene	TCE	1.82 U^	1.82 U^
ethylbenzene	ethbenz	2.34 U	4.03
m,p-Xylenes	m,p-X	4.60	12.2
o-Xylene	o-X	2.38	5.51
1,4-dichlorobenzene	1,4-DCB	8.36	9.98
Naphthalene	Napthalene	0.61	NT

COMPOUND ABBREVIATION

OTHER NOTATIONS/SYMBOLS

2.88 U^	DETECTION LIMIT IS HIGHER THAN THE MASSDEP RESIDENTIAL THRESHOLD VALUE
2.18 U	UNDETECTED
1.74	CONCENTRATION FOUND (ug/m^3)
0.274	COMPOUND DETECTED
NT	NOT TESTED
0.383 J	ESTIMATED

(ug/m^3) – MICROGRAMS PER CUBIC METER

MASSDEP REGULATORY THRESHOLDS

Compound Name	Abbreviation	Screening Value
Toluene	tol	54
C5-C8 Aliphatics	C5-C8 Al	58
C9-C12 Aliphatics	C9-C12 Al	68
C9-C10 Aromatics	C9-C10 Ar	10
Acetone	Acetone	91
2-Butanone	2-Butanone	12
1,2-Dichloroethane	1,2-DCA	0.09
1,1,1-trichloroethane	1,1,1-TCA	3
benzene	benz	2.3
Carbon Tetrachloride	C. Tetrachloride	0.54
trichloroethene	TCE	0.8
ethylbenzene	ethbenz	7.4
m,p-Xylenes	m,p-X	20
o-Xylene	o-X	20
1,4-dichlorobenzene	1,4-DCB	0.5
Naphthalene	Napthalene	0.61

DELINEATES BOUNDARY OF FORMER PAYNE CUTLERY PROPERTY. HASH MARKS ON INSIDE OF PROPERTY BOUNDARY.

EXISTING MONITORING WELL

INDOOR AIR SAMPLE LOCATION (TRC)

LOT LINES

APPROX. LOCATION OF SEWER LINE

APPROX. LOCATION OF FORMER SEWER LINE

NOTES:
1. BASE MAP WAS DIGITIZED FROM A COPY OF AN UNDATED PLAN ENTITLED "SITE PLAN" PREPARED BY CYGNUS GROUP OF SOUTHBOROUGH MA. FIG 2, ORIGINAL SCALE 1"=50'.

APPROXIMATE GRAPHIC SCALE

0' 50' 100' 200'

SITE PLAN WITH INDOOR AIR SAMPLING RESULTS

FORMER PAYNE CUTLERY
295 PHILLIPS AVE, NEW BEDFORD, MA

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

DRAWN BY: HWB
CHECKED BY: ACL
DATE: NOV 2012

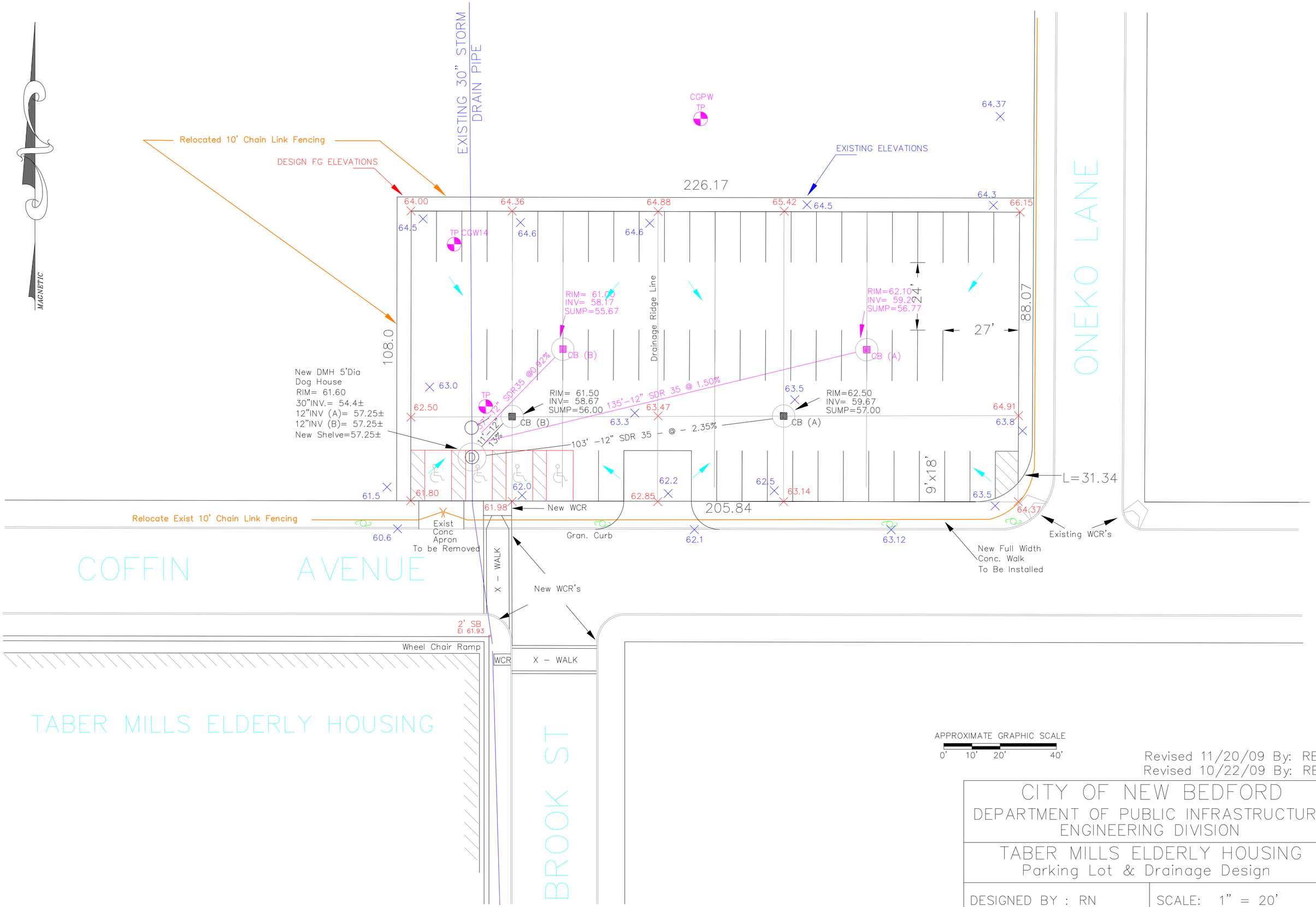
FIGURE 5

THIS DRAWING REFERENCES BUT IS NOT LINKED TO T:\E_CAD\172744\JULY 2012 INDOOR AIR SAMPS.xlsx

FILE: T:\E_CAD\172744\PAYNE INDOOR AIR RESULTS 11-12.dwg

APPENDIX A

PARKING LOT DESIGN



Revised 11/20/09 By: RB
Revised 10/22/09 By: RB

CITY OF NEW BEDFORD
DEPARTMENT OF PUBLIC INFRASTRUCTURE
ENGINEERING DIVISION

TABER MILLS ELDERLY HOUSING
Parking Lot & Drainage Design

DESIGNED BY : RN
CHECKED BY : DMA

SCALE: 1" = 20'
DATE : OCT. 2009

PARKING SCHEME "C"

FILE: T:\E_CAD\172744\REVISED HP PARKING 10.22.09 RRB-11-20-09.dwg

APPENDIX B

SOIL BORING AND MONITORING WELL CONSTRUCTION LOGS

BORING/WELL CONSTRUCTION LOG

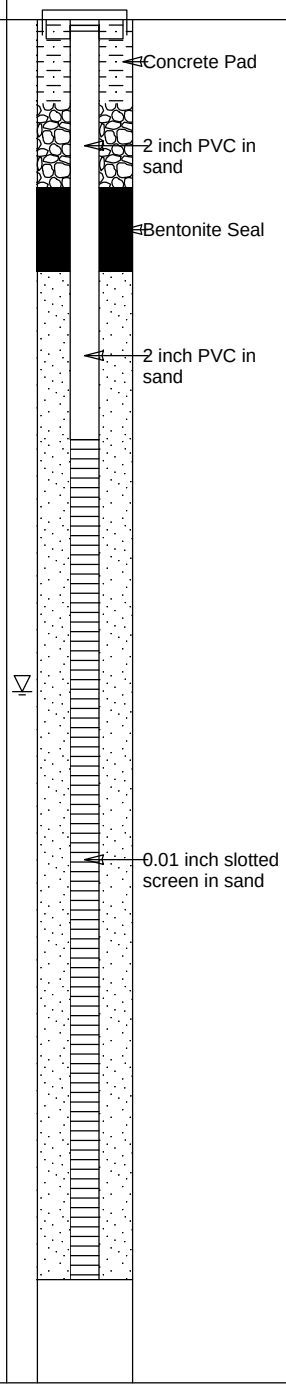
650 Suffolk Street
Lowell, MA
Telephone: 978-970-5600
Fax: 978-453-1995

CLIENT/PROJECT NUMBER 172744
BORING/WELL NUMBER TRC-1
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 3/23/2012
LOCATION West side of Oneko Lane
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Geoprobe - direct push
NOTES No soil samples collected

SCREEN TYPE/SLOT 10 slot PVC screen
FILTER PACK TYPE Sand
SEAL TYPE Bentonite
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 16
GROUND ELEVATION (Feet) NA
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME
					Vactored to 5 feet to clear boring for utilities		
5		60/43	S-1		6" Dark brown fine to medium SAND wiith brick and coal fragments		
6					37" Tan Fine to medium SAND with some gravel, moist-wet	0.4/0.5	
9						0.4/0.5	
10		60/43	S-2		25" Brown fine to medium SAND, loose and dry		
11						0.4/0.5	
13					18" Tan fine to coarse SAND and gravel, saturatued, very dense		
14						0.4/0.6	
15					End of Boring at 15 feet		

WELL DIAGRAM



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

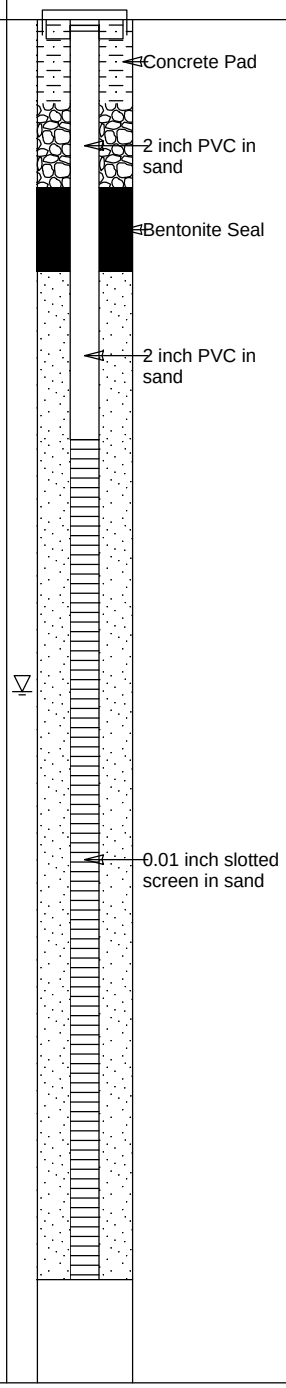
BORING/WELL CONSTRUCTION LOG

CLIENT/PROJECT NUMBER 172744
BORING/WELL NUMBER TRC-2
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 3/23/2012
LOCATION North-central side of Taber Mill
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Geoprobe - direct push
NOTES No soil samples collected

SCREEN TYPE/SLOT 10 slot PVC screen
FILTER PACK TYPE Sand
SEAL TYPE Bentonite
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 16
GROUND ELEVATION (Feet) NA
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME
					Vactored to 5 feet to clear boring for utilities		
5		60/50	S-1		20" Tan fine to medium SAND, pea-sized gravel, moderately loose	0.5/0.5	
7					30" Tan fine to medium SAND, pea-sized gravel, very dense (TILL), moist to wet at 8'	0.4/0.8	
10		60/47	S-2		20" Brown fine to medium SAND, some gravel, saturated	0.4/1.5	
12					2" Crushed gray to pink GRANITE		
					25" Tan fine SAND, some silt and medium sand, dense	0.4/5.4	
15					End of Boring at 15 feet		

WELL DIAGRAM



BORING/WELL CONSTRUCTION LOG

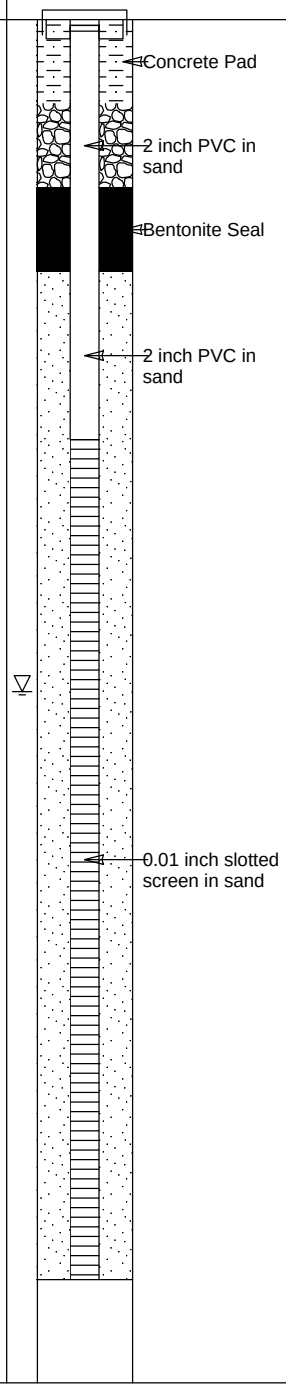
650 Suffolk Street
Lowell, MA
Telephone: 978-970-5600
Fax: 978-453-1995

CLIENT/PROJECT NUMBER 172744
BORING/WELL NUMBER TRC-3
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 3/23/2012
LOCATION Northeast side of Taber Mill
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Geoprobe - direct push
NOTES No soil samples collected

SCREEN TYPE/SLOT 10 slot PVC screen
FILTER PACK TYPE Sand
SEAL TYPE Bentonite
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 16
GROUND ELEVATION (Feet) NA
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME
					Vactored to 5 feet to clear boring for utilities		
5		60/50	S-1		10" Dark brown fine to medium SAND		
6					40" Tan fine to medium SAND and gravel, very dense (TILL), moist to wet	0.5/0.4	
9						0.5/5.0	
10		60/25	S-2		25" Tan fine to coarse SAND, some pea-sized gravel, some medium gravel, much looser than the interval above, saturated		
11						0.5/42.7	
14						0.8/21.9	
15					End of Boring at 15 feet		

WELL DIAGRAM



BORING/WELL CONSTRUCTION LOG

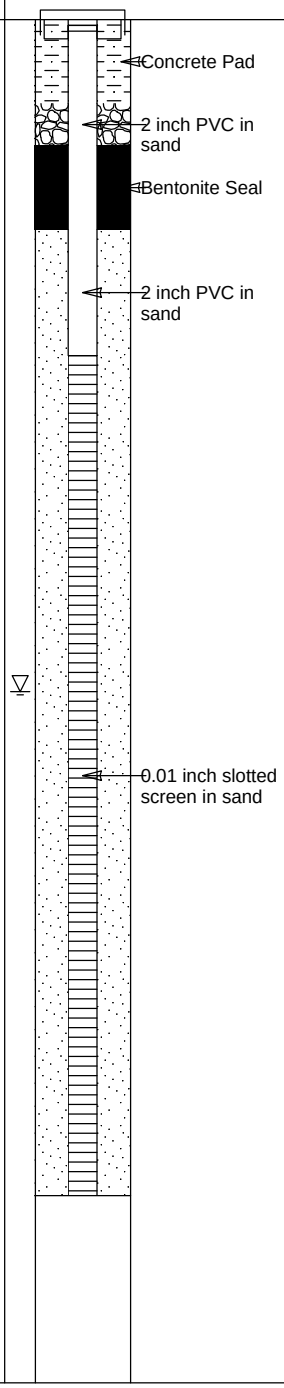
650 Suffolk Street
Lowell, MA
Telephone: 978-970-5600
Fax: 978-453-1995

CLIENT/PROJECT NUMBER 172744
BORING/WELL NUMBER TRC-4
TRC GEOLOGIST E. Wachtel
DRILLING CONTRACTOR/FOREMAN New England Geotech/Steve Perry
DATE DRILLED 3/23/2012
LOCATION East side of Taber Mill
SAMPLING METHOD 60" Macrocore
DRILLING METHOD Geoprobe - direct push
NOTES No soil samples collected

SCREEN TYPE/SLOT 10 slot PVC screen
FILTER PACK TYPE Sand
SEAL TYPE Bentonite
DEPTH TO WATER (Approximate Feet) 8
TOTAL DEPTH (Feet) 16
GROUND ELEVATION (Feet) NA
REFERENCE ELEVATION (Feet) NA

DEPTH (ft. BGL)	BLOW COUNTS	PEN/REC (INCHES)	CORE #	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	Field Testing (ppm)	SAMPLE ID/ TIME
					Vactored to 4 feet to clear boring for utilities (material is tan fine to medium SAND and some gravel and cobbles to 3 feet. Material from 3 to 4 feet is the same but denser)		
4		60/50	S-1		15" Tan fine to medium SAND and trave to some gravel, very dense (TILL)		
5						0.5/0.4	
					3" Crushed gray to pink GRANITE		
6					32" Tan fine to medium SAND, some pea-sized gravel, less dense than above. The sleeve is wet at 6 feet below ground surface.		
8						0.4/0.5	
9					The hole was collapsing so the driller was not able to get another sleeve of soil from 9 to 14 feet.		
14					End of Boring at 14 feet		

WELL DIAGRAM



APPENDIX C

DUST MONITORING DATA

Former Payne Cutlery Daily Construction/Excavation Monitoring Summary

Date: 1/12/2010

Weather: Upper 20's, cloudy, slight breeze NW to SE

Activity: Excavation and installation of western catch basin and manhole

Location	Unit ID	Time	Average (mg/m^3)	Minimum (mg/m^3)	Maximum (mg/m^3)	Comments
UPWIND	22139	start 0910				Read high (0.040 mg/m^3) after many calibrations
ON SITE	22259	start 0915				Read about 0.001 mg/m^3 background
DOWN WIND	85202737	start 0945				Read very high (0.150 mg/m^3) after many calibrations
		start 1140				Inlet cleaned, and reset until backup arrived
UPWIND	22139	1145	0.035	0.027	0.311	
ON SITE	22259	1140	0.004	0.003	0.145	
DOWN WIND	8502737	1140				Started recording Log 1, Test 1
UPWIND	22139	1325	N/A	N/A	N/A	Internal batteries died. Unit possibly not feeding off external pack
ON SITE	22259	1325	0.004	0.003	0.209	
DOWN WIND	8502737	1325	N/A	N/A	N/A	Memory not accessible, reading 9999% for LOG1, no longer recording
UPWIND	85203290	start 1340				
ON SITE	22259	1340	N/A	N/A	N/A	No data taken at this time.
DOWN WIND	85200309	start 1340				
UPWIND	85203290	stop 1510	0.003	0.002	0.024	
ON SITE	22259	stop 1510	0.004	0.002	0.209	
DOWN WIND	85200309	stop 1510	0.003	0.002	0.020	

NOTES

DustTraks 85202737 and 22139 (downwind and upwind, respectively) were considered faulty and replacements were brought at about 1330. Data were collected from these units for monitoring purposes even though it was clear they were faulty. DustTrak 85202737 did not record much data before having a memory malfunction. DustTrak 22139 recorded data until the internal batteries died. The units that replaced these appeared to be working fine and data were collected until work was completed.

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

TrakPro Version 4.20 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85202737
Test ID:	1
Test Abbreviation:	Downwind
Start Date:	1/12/2010
Start Time:	11:40:52
Duration (dd:hh:mm:ss):	0:00:37:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	37
Notes:	Malfunctioning unit - reading very high background

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.084
Minimum:	0.078
Time of Minimum:	11:44:52
Date of Minimum:	1/12/2010
Maximum:	0.095
Time of Maximum:	11:58:52
Date of Maximum:	1/12/2010

Calibration

Sensor:	Aerosol
Cal. date	9/24/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/12/2010	11:41:52	0.080
1/12/2010	11:42:52	0.086
1/12/2010	11:43:52	0.087
1/12/2010	11:44:52	0.078
1/12/2010	11:45:52	0.088
1/12/2010	11:46:52	0.085
1/12/2010	11:47:52	0.084
1/12/2010	11:48:52	0.091
1/12/2010	11:49:52	0.084
1/12/2010	11:50:52	0.085
1/12/2010	11:51:52	0.089
1/12/2010	11:52:52	0.080
1/12/2010	11:53:52	0.087

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

1/12/2010	11:54:52	0.083
1/12/2010	11:55:52	0.083
1/12/2010	11:56:52	0.086
1/12/2010	11:57:52	0.082
1/12/2010	11:58:52	0.095
1/12/2010	11:59:52	0.090
1/12/2010	12:00:52	0.093
1/12/2010	12:01:52	0.082
1/12/2010	12:02:52	0.085
1/12/2010	12:03:52	0.086
1/12/2010	12:04:52	0.083
1/12/2010	12:05:52	0.085
1/12/2010	12:06:52	0.089
1/12/2010	12:07:52	0.083
1/12/2010	12:08:52	0.078
1/12/2010	12:09:52	0.079
1/12/2010	12:10:52	0.080
1/12/2010	12:11:52	0.081
1/12/2010	12:12:52	0.085
1/12/2010	12:13:52	0.081
1/12/2010	12:14:52	0.082
1/12/2010	12:15:52	0.080
1/12/2010	12:16:52	0.082
1/12/2010	12:17:52	0.079

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

TrakPro Version 4.20 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85200309
Test ID:	1
Test Abbreviation:	Downwind
Start Date:	1/12/2010
Start Time:	14:16:30
Duration (dd:hh:mm:ss):	0:00:55:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	55
Notes:	Replacement Unit

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.003
Minimum:	0.002
Time of Minimum:	14:17:30
Date of Minimum:	1/12/2010
Maximum:	0.006
Time of Maximum:	14:47:30
Date of Maximum:	1/12/2010

Calibration

Sensor:	Aerosol
Cal. date	12/28/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/12/2010	14:17:30	0.002
1/12/2010	14:18:30	0.002
1/12/2010	14:19:30	0.002
1/12/2010	14:20:30	0.002
1/12/2010	14:21:30	0.002
1/12/2010	14:22:30	0.002
1/12/2010	14:23:30	0.002
1/12/2010	14:24:30	0.002
1/12/2010	14:25:30	0.002
1/12/2010	14:26:30	0.002
1/12/2010	14:27:30	0.002
1/12/2010	14:28:30	0.002
1/12/2010	14:29:30	0.003
1/12/2010	14:30:30	0.002

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

1/12/2010	14:31:30	0.002
1/12/2010	14:32:30	0.002
1/12/2010	14:33:30	0.003
1/12/2010	14:34:30	0.002
1/12/2010	14:35:30	0.002
1/12/2010	14:36:30	0.003
1/12/2010	14:37:30	0.003
1/12/2010	14:38:30	0.003
1/12/2010	14:39:30	0.002
1/12/2010	14:40:30	0.003
1/12/2010	14:41:30	0.003
1/12/2010	14:42:30	0.003
1/12/2010	14:43:30	0.003
1/12/2010	14:44:30	0.003
1/12/2010	14:45:30	0.003
1/12/2010	14:46:30	0.004
1/12/2010	14:47:30	0.006
1/12/2010	14:48:30	0.003
1/12/2010	14:49:30	0.002
1/12/2010	14:50:30	0.003
1/12/2010	14:51:30	0.003
1/12/2010	14:52:30	0.003
1/12/2010	14:53:30	0.004
1/12/2010	14:54:30	0.004
1/12/2010	14:55:30	0.003
1/12/2010	14:56:30	0.003
1/12/2010	14:57:30	0.003
1/12/2010	14:58:30	0.003
1/12/2010	14:59:30	0.002
1/12/2010	15:00:30	0.002
1/12/2010	15:01:30	0.003
1/12/2010	15:02:30	0.002
1/12/2010	15:03:30	0.002
1/12/2010	15:04:30	0.002
1/12/2010	15:05:30	0.002
1/12/2010	15:06:30	0.002
1/12/2010	15:07:30	0.002
1/12/2010	15:08:30	0.002
1/12/2010	15:09:30	0.002
1/12/2010	15:10:30	0.002
1/12/2010	15:11:30	0.002

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

TrakPro Version 4.20 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	22259
Test ID:	1
Test Abbreviation:	Onsite/Near Property
Start Date:	1/12/2010
Start Time:	9:19:06
Duration (dd:hh:mm:ss):	0:05:57:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	357
Notes:	

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.004
Minimum:	0.003
Time of Minimum:	9:20:06
Date of Minimum:	1/12/2010
Maximum:	0.039
Time of Maximum:	12:31:06
Date of Maximum:	1/12/2010

Calibration

Sensor:	Aerosol
Cal. date	1/12/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/12/2010	9:20:06	0.003
1/12/2010	9:21:06	0.004
1/12/2010	9:22:06	0.003
1/12/2010	9:23:06	0.003
1/12/2010	9:24:06	0.004
1/12/2010	9:25:06	0.003
1/12/2010	9:26:06	0.003
1/12/2010	9:27:06	0.003
1/12/2010	9:28:06	0.003
1/12/2010	9:29:06	0.003
1/12/2010	9:30:06	0.003
1/12/2010	9:31:06	0.003
1/12/2010	9:32:06	0.003

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

1/12/2010	9:33:06	0.009
1/12/2010	9:34:06	0.008
1/12/2010	9:35:06	0.003
1/12/2010	9:36:06	0.003
1/12/2010	9:37:06	0.003
1/12/2010	9:38:06	0.003
1/12/2010	9:39:06	0.004
1/12/2010	9:40:06	0.004
1/12/2010	9:41:06	0.004
1/12/2010	9:42:06	0.003
1/12/2010	9:43:06	0.003
1/12/2010	9:44:06	0.003
1/12/2010	9:45:06	0.004
1/12/2010	9:46:06	0.003
1/12/2010	9:47:06	0.003
1/12/2010	9:48:06	0.003
1/12/2010	9:49:06	0.004
1/12/2010	9:50:06	0.003
1/12/2010	9:51:06	0.003
1/12/2010	9:52:06	0.003
1/12/2010	9:53:06	0.003
1/12/2010	9:54:06	0.004
1/12/2010	9:55:06	0.003
1/12/2010	9:56:06	0.003
1/12/2010	9:57:06	0.003
1/12/2010	9:58:06	0.003
1/12/2010	9:59:06	0.004
1/12/2010	10:00:06	0.004
1/12/2010	10:01:06	0.003
1/12/2010	10:02:06	0.003
1/12/2010	10:03:06	0.003
1/12/2010	10:04:06	0.003
1/12/2010	10:05:06	0.003
1/12/2010	10:06:06	0.003
1/12/2010	10:07:06	0.004
1/12/2010	10:08:06	0.005
1/12/2010	10:09:06	0.004
1/12/2010	10:10:06	0.004
1/12/2010	10:11:06	0.004
1/12/2010	10:12:06	0.004
1/12/2010	10:13:06	0.010
1/12/2010	10:14:06	0.007
1/12/2010	10:15:06	0.023
1/12/2010	10:16:06	0.005

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

1/12/2010	10:17:06	0.004
1/12/2010	10:18:06	0.003
1/12/2010	10:19:06	0.003
1/12/2010	10:20:06	0.003
1/12/2010	10:21:06	0.003
1/12/2010	10:22:06	0.004
1/12/2010	10:23:06	0.003
1/12/2010	10:24:06	0.003
1/12/2010	10:25:06	0.003
1/12/2010	10:26:06	0.004
1/12/2010	10:27:06	0.003
1/12/2010	10:28:06	0.004
1/12/2010	10:29:06	0.010
1/12/2010	10:30:06	0.004
1/12/2010	10:31:06	0.010
1/12/2010	10:32:06	0.003
1/12/2010	10:33:06	0.028
1/12/2010	10:34:06	0.004
1/12/2010	10:35:06	0.003
1/12/2010	10:36:06	0.005
1/12/2010	10:37:06	0.003
1/12/2010	10:38:06	0.006
1/12/2010	10:39:06	0.012
1/12/2010	10:40:06	0.003
1/12/2010	10:41:06	0.003
1/12/2010	10:42:06	0.003
1/12/2010	10:43:06	0.003
1/12/2010	10:44:06	0.003
1/12/2010	10:45:06	0.003
1/12/2010	10:46:06	0.003
1/12/2010	10:47:06	0.003
1/12/2010	10:48:06	0.003
1/12/2010	10:49:06	0.003
1/12/2010	10:50:06	0.003
1/12/2010	10:51:06	0.003
1/12/2010	10:52:06	0.003
1/12/2010	10:53:06	0.004
1/12/2010	10:54:06	0.003
1/12/2010	10:55:06	0.003
1/12/2010	10:56:06	0.003
1/12/2010	10:57:06	0.003
1/12/2010	10:58:06	0.003
1/12/2010	10:59:06	0.003
1/12/2010	11:00:06	0.003

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

1/12/2010	11:01:06	0.003
1/12/2010	11:02:06	0.003
1/12/2010	11:03:06	0.003
1/12/2010	11:04:06	0.003
1/12/2010	11:05:06	0.003
1/12/2010	11:06:06	0.003
1/12/2010	11:07:06	0.003
1/12/2010	11:08:06	0.003
1/12/2010	11:09:06	0.003
1/12/2010	11:10:06	0.003
1/12/2010	11:11:06	0.003
1/12/2010	11:12:06	0.003
1/12/2010	11:13:06	0.003
1/12/2010	11:14:06	0.003
1/12/2010	11:15:06	0.003
1/12/2010	11:16:06	0.003
1/12/2010	11:17:06	0.003
1/12/2010	11:18:06	0.003
1/12/2010	11:19:06	0.003
1/12/2010	11:20:06	0.003
1/12/2010	11:21:06	0.003
1/12/2010	11:22:06	0.003
1/12/2010	11:23:06	0.003
1/12/2010	11:24:06	0.003
1/12/2010	11:25:06	0.003
1/12/2010	11:26:06	0.003
1/12/2010	11:27:06	0.003
1/12/2010	11:28:06	0.008
1/12/2010	11:29:06	0.003
1/12/2010	11:30:06	0.003
1/12/2010	11:31:06	0.003
1/12/2010	11:32:06	0.003
1/12/2010	11:33:06	0.003
1/12/2010	11:34:06	0.003
1/12/2010	11:35:06	0.003
1/12/2010	11:36:06	0.003
1/12/2010	11:37:06	0.003
1/12/2010	11:38:06	0.003
1/12/2010	11:39:06	0.003
1/12/2010	11:40:06	0.003
1/12/2010	11:41:06	0.003
1/12/2010	11:42:06	0.004
1/12/2010	11:43:06	0.003
1/12/2010	11:44:06	0.004

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

1/12/2010	11:45:06	0.003
1/12/2010	11:46:06	0.003
1/12/2010	11:47:06	0.003
1/12/2010	11:48:06	0.003
1/12/2010	11:49:06	0.003
1/12/2010	11:50:06	0.003
1/12/2010	11:51:06	0.003
1/12/2010	11:52:06	0.003
1/12/2010	11:53:06	0.003
1/12/2010	11:54:06	0.003
1/12/2010	11:55:06	0.003
1/12/2010	11:56:06	0.003
1/12/2010	11:57:06	0.003
1/12/2010	11:58:06	0.003
1/12/2010	11:59:06	0.003
1/12/2010	12:00:06	0.003
1/12/2010	12:01:06	0.003
1/12/2010	12:02:06	0.003
1/12/2010	12:03:06	0.003
1/12/2010	12:04:06	0.003
1/12/2010	12:05:06	0.003
1/12/2010	12:06:06	0.003
1/12/2010	12:07:06	0.003
1/12/2010	12:08:06	0.003
1/12/2010	12:09:06	0.003
1/12/2010	12:10:06	0.003
1/12/2010	12:11:06	0.003
1/12/2010	12:12:06	0.003
1/12/2010	12:13:06	0.003
1/12/2010	12:14:06	0.003
1/12/2010	12:15:06	0.003
1/12/2010	12:16:06	0.003
1/12/2010	12:17:06	0.003
1/12/2010	12:18:06	0.003
1/12/2010	12:19:06	0.003
1/12/2010	12:20:06	0.003
1/12/2010	12:21:06	0.003
1/12/2010	12:22:06	0.003
1/12/2010	12:23:06	0.003
1/12/2010	12:24:06	0.003
1/12/2010	12:25:06	0.003
1/12/2010	12:26:06	0.006
1/12/2010	12:27:06	0.031
1/12/2010	12:28:06	0.014

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

1/12/2010	12:29:06	0.011
1/12/2010	12:30:06	0.012
1/12/2010	12:31:06	0.039
1/12/2010	12:32:06	0.003
1/12/2010	12:33:06	0.003
1/12/2010	12:34:06	0.003
1/12/2010	12:35:06	0.003
1/12/2010	12:36:06	0.003
1/12/2010	12:37:06	0.003
1/12/2010	12:38:06	0.003
1/12/2010	12:39:06	0.004
1/12/2010	12:40:06	0.004
1/12/2010	12:41:06	0.006
1/12/2010	12:42:06	0.004
1/12/2010	12:43:06	0.003
1/12/2010	12:44:06	0.004
1/12/2010	12:45:06	0.005
1/12/2010	12:46:06	0.003
1/12/2010	12:47:06	0.009
1/12/2010	12:48:06	0.003
1/12/2010	12:49:06	0.003
1/12/2010	12:50:06	0.003
1/12/2010	12:51:06	0.003
1/12/2010	12:52:06	0.003
1/12/2010	12:53:06	0.003
1/12/2010	12:54:06	0.003
1/12/2010	12:55:06	0.003
1/12/2010	12:56:06	0.003
1/12/2010	12:57:06	0.003
1/12/2010	12:58:06	0.003
1/12/2010	12:59:06	0.003
1/12/2010	13:00:06	0.003
1/12/2010	13:01:06	0.003
1/12/2010	13:02:06	0.003
1/12/2010	13:03:06	0.003
1/12/2010	13:04:06	0.003
1/12/2010	13:05:06	0.003
1/12/2010	13:06:06	0.003
1/12/2010	13:07:06	0.008
1/12/2010	13:08:06	0.003
1/12/2010	13:09:06	0.003
1/12/2010	13:10:06	0.003
1/12/2010	13:11:06	0.003
1/12/2010	13:12:06	0.003

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

1/12/2010	13:13:06	0.003
1/12/2010	13:14:06	0.003
1/12/2010	13:15:06	0.003
1/12/2010	13:16:06	0.003
1/12/2010	13:17:06	0.003
1/12/2010	13:18:06	0.003
1/12/2010	13:19:06	0.003
1/12/2010	13:20:06	0.003
1/12/2010	13:21:06	0.003
1/12/2010	13:22:06	0.003
1/12/2010	13:23:06	0.003
1/12/2010	13:24:06	0.003
1/12/2010	13:25:06	0.003
1/12/2010	13:26:06	0.003
1/12/2010	13:27:06	0.003
1/12/2010	13:28:06	0.003
1/12/2010	13:29:06	0.003
1/12/2010	13:30:06	0.003
1/12/2010	13:31:06	0.003
1/12/2010	13:32:06	0.003
1/12/2010	13:33:06	0.003
1/12/2010	13:34:06	0.003
1/12/2010	13:35:06	0.003
1/12/2010	13:36:06	0.003
1/12/2010	13:37:06	0.003
1/12/2010	13:38:06	0.003
1/12/2010	13:39:06	0.003
1/12/2010	13:40:06	0.026
1/12/2010	13:41:06	0.014
1/12/2010	13:42:06	0.007
1/12/2010	13:43:06	0.004
1/12/2010	13:44:06	0.014
1/12/2010	13:45:06	0.007
1/12/2010	13:46:06	0.003
1/12/2010	13:47:06	0.003
1/12/2010	13:48:06	0.003
1/12/2010	13:49:06	0.018
1/12/2010	13:50:06	0.026
1/12/2010	13:51:06	0.012
1/12/2010	13:52:06	0.008
1/12/2010	13:53:06	0.003
1/12/2010	13:54:06	0.023
1/12/2010	13:55:06	0.004
1/12/2010	13:56:06	0.003

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
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1/12/2010	13:57:06	0.003
1/12/2010	13:58:06	0.003
1/12/2010	13:59:06	0.003
1/12/2010	14:00:06	0.003
1/12/2010	14:01:06	0.003
1/12/2010	14:02:06	0.014
1/12/2010	14:03:06	0.023
1/12/2010	14:04:06	0.009
1/12/2010	14:05:06	0.011
1/12/2010	14:06:06	0.007
1/12/2010	14:07:06	0.003
1/12/2010	14:08:06	0.007
1/12/2010	14:09:06	0.003
1/12/2010	14:10:06	0.008
1/12/2010	14:11:06	0.004
1/12/2010	14:12:06	0.003
1/12/2010	14:13:06	0.003
1/12/2010	14:14:06	0.003
1/12/2010	14:15:06	0.004
1/12/2010	14:16:06	0.003
1/12/2010	14:17:06	0.003
1/12/2010	14:18:06	0.003
1/12/2010	14:19:06	0.003
1/12/2010	14:20:06	0.003
1/12/2010	14:21:06	0.003
1/12/2010	14:22:06	0.003
1/12/2010	14:23:06	0.003
1/12/2010	14:24:06	0.003
1/12/2010	14:25:06	0.003
1/12/2010	14:26:06	0.003
1/12/2010	14:27:06	0.003
1/12/2010	14:28:06	0.003
1/12/2010	14:29:06	0.003
1/12/2010	14:30:06	0.003
1/12/2010	14:31:06	0.003
1/12/2010	14:32:06	0.003
1/12/2010	14:33:06	0.003
1/12/2010	14:34:06	0.003
1/12/2010	14:35:06	0.003
1/12/2010	14:36:06	0.003
1/12/2010	14:37:06	0.003
1/12/2010	14:38:06	0.003
1/12/2010	14:39:06	0.003
1/12/2010	14:40:06	0.003

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
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1/12/2010	14:41:06	0.006
1/12/2010	14:42:06	0.004
1/12/2010	14:43:06	0.005
1/12/2010	14:44:06	0.004
1/12/2010	14:45:06	0.005
1/12/2010	14:46:06	0.006
1/12/2010	14:47:06	0.004
1/12/2010	14:48:06	0.004
1/12/2010	14:49:06	0.003
1/12/2010	14:50:06	0.003
1/12/2010	14:51:06	0.004
1/12/2010	14:52:06	0.004
1/12/2010	14:53:06	0.005
1/12/2010	14:54:06	0.003
1/12/2010	14:55:06	0.004
1/12/2010	14:56:06	0.003
1/12/2010	14:57:06	0.004
1/12/2010	14:58:06	0.003
1/12/2010	14:59:06	0.003
1/12/2010	15:00:06	0.003
1/12/2010	15:01:06	0.003
1/12/2010	15:02:06	0.003
1/12/2010	15:03:06	0.003
1/12/2010	15:04:06	0.003
1/12/2010	15:05:06	0.003
1/12/2010	15:06:06	0.003
1/12/2010	15:07:06	0.003
1/12/2010	15:08:06	0.003
1/12/2010	15:09:06	0.003
1/12/2010	15:10:06	0.003
1/12/2010	15:11:06	0.003
1/12/2010	15:12:06	0.003
1/12/2010	15:13:06	0.003
1/12/2010	15:14:06	0.003
1/12/2010	15:15:06	0.003
1/12/2010	15:16:06	0.003

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

TrakPro Version 4.20 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	22139
Test ID:	1
Test Abbreviation:	Upwind
Start Date:	1/12/2010
Start Time:	9:20:06
Duration (dd:hh:mm:ss):	0:03:43:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	223
Notes:	Malfunctioning unit - reading high background

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.034
Minimum:	0.028
Time of Minimum:	13:02:06
Date of Minimum:	1/12/2010
Maximum:	0.11
Time of Maximum:	9:21:06
Date of Maximum:	40190

Calibration

Sensor:	Aerosol
Cal. date	8/7/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/12/2010	9:21:06	0.110
1/12/2010	9:22:06	0.079
1/12/2010	9:23:06	0.041
1/12/2010	9:24:06	0.040
1/12/2010	9:25:06	0.039
1/12/2010	9:26:06	0.038
1/12/2010	9:27:06	0.037
1/12/2010	9:28:06	0.037
1/12/2010	9:29:06	0.037
1/12/2010	9:30:06	0.039
1/12/2010	9:31:06	0.036
1/12/2010	9:32:06	0.036
1/12/2010	9:33:06	0.038
1/12/2010	9:34:06	0.038

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
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1/12/2010	9:35:06	0.036
1/12/2010	9:36:06	0.035
1/12/2010	9:37:06	0.037
1/12/2010	9:38:06	0.038
1/12/2010	9:39:06	0.038
1/12/2010	9:40:06	0.039
1/12/2010	9:41:06	0.038
1/12/2010	9:42:06	0.038
1/12/2010	9:43:06	0.037
1/12/2010	9:44:06	0.039
1/12/2010	9:45:06	0.038
1/12/2010	9:46:06	0.037
1/12/2010	9:47:06	0.035
1/12/2010	9:48:06	0.036
1/12/2010	9:49:06	0.037
1/12/2010	9:50:06	0.037
1/12/2010	9:51:06	0.038
1/12/2010	9:52:06	0.041
1/12/2010	9:53:06	0.038
1/12/2010	9:54:06	0.038
1/12/2010	9:55:06	0.036
1/12/2010	9:56:06	0.037
1/12/2010	9:57:06	0.038
1/12/2010	9:58:06	0.037
1/12/2010	9:59:06	0.038
1/12/2010	10:00:06	0.037
1/12/2010	10:01:06	0.037
1/12/2010	10:02:06	0.038
1/12/2010	10:03:06	0.038
1/12/2010	10:04:06	0.037
1/12/2010	10:05:06	0.036
1/12/2010	10:06:06	0.037
1/12/2010	10:07:06	0.037
1/12/2010	10:08:06	0.037
1/12/2010	10:09:06	0.039
1/12/2010	10:10:06	0.038
1/12/2010	10:11:06	0.038
1/12/2010	10:12:06	0.037
1/12/2010	10:13:06	0.038
1/12/2010	10:14:06	0.038
1/12/2010	10:15:06	0.038
1/12/2010	10:16:06	0.037
1/12/2010	10:17:06	0.037
1/12/2010	10:18:06	0.038
1/12/2010	10:19:06	0.036

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

1/12/2010	10:20:06	0.035
1/12/2010	10:21:06	0.035
1/12/2010	10:22:06	0.036
1/12/2010	10:23:06	0.035
1/12/2010	10:24:06	0.036
1/12/2010	10:25:06	0.036
1/12/2010	10:26:06	0.035
1/12/2010	10:27:06	0.035
1/12/2010	10:28:06	0.036
1/12/2010	10:29:06	0.036
1/12/2010	10:30:06	0.034
1/12/2010	10:31:06	0.034
1/12/2010	10:32:06	0.033
1/12/2010	10:33:06	0.040
1/12/2010	10:34:06	0.037
1/12/2010	10:35:06	0.038
1/12/2010	10:36:06	0.035
1/12/2010	10:37:06	0.037
1/12/2010	10:38:06	0.036
1/12/2010	10:39:06	0.034
1/12/2010	10:40:06	0.033
1/12/2010	10:41:06	0.033
1/12/2010	10:42:06	0.034
1/12/2010	10:43:06	0.033
1/12/2010	10:44:06	0.040
1/12/2010	10:45:06	0.033
1/12/2010	10:46:06	0.032
1/12/2010	10:47:06	0.032
1/12/2010	10:48:06	0.032
1/12/2010	10:49:06	0.031
1/12/2010	10:50:06	0.031
1/12/2010	10:51:06	0.032
1/12/2010	10:52:06	0.031
1/12/2010	10:53:06	0.032
1/12/2010	10:54:06	0.033
1/12/2010	10:55:06	0.032
1/12/2010	10:56:06	0.034
1/12/2010	10:57:06	0.034
1/12/2010	10:58:06	0.033
1/12/2010	10:59:06	0.032
1/12/2010	11:00:06	0.032
1/12/2010	11:01:06	0.031
1/12/2010	11:02:06	0.031
1/12/2010	11:03:06	0.032
1/12/2010	11:04:06	0.031

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

1/12/2010	11:05:06	0.030
1/12/2010	11:06:06	0.032
1/12/2010	11:07:06	0.033
1/12/2010	11:08:06	0.031
1/12/2010	11:09:06	0.031
1/12/2010	11:10:06	0.031
1/12/2010	11:11:06	0.031
1/12/2010	11:12:06	0.033
1/12/2010	11:13:06	0.032
1/12/2010	11:14:06	0.032
1/12/2010	11:15:06	0.032
1/12/2010	11:16:06	0.033
1/12/2010	11:17:06	0.030
1/12/2010	11:18:06	0.032
1/12/2010	11:19:06	0.030
1/12/2010	11:20:06	0.032
1/12/2010	11:21:06	0.031
1/12/2010	11:22:06	0.031
1/12/2010	11:23:06	0.030
1/12/2010	11:24:06	0.031
1/12/2010	11:25:06	0.030
1/12/2010	11:26:06	0.030
1/12/2010	11:27:06	0.031
1/12/2010	11:28:06	0.031
1/12/2010	11:29:06	0.031
1/12/2010	11:30:06	0.029
1/12/2010	11:31:06	0.030
1/12/2010	11:32:06	0.031
1/12/2010	11:33:06	0.030
1/12/2010	11:34:06	0.029
1/12/2010	11:35:06	0.029
1/12/2010	11:36:06	0.029
1/12/2010	11:37:06	0.031
1/12/2010	11:38:06	0.030
1/12/2010	11:39:06	0.030
1/12/2010	11:40:06	0.031
1/12/2010	11:41:06	0.035
1/12/2010	11:42:06	0.031
1/12/2010	11:43:06	0.032
1/12/2010	11:44:06	0.033
1/12/2010	11:45:06	0.034
1/12/2010	11:46:06	0.031
1/12/2010	11:47:06	0.043
1/12/2010	11:48:06	0.035
1/12/2010	11:49:06	0.035

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 12, 2010

1/12/2010	11:50:06	0.030
1/12/2010	11:51:06	0.031
1/12/2010	11:52:06	0.036
1/12/2010	11:53:06	0.033
1/12/2010	11:54:06	0.033
1/12/2010	11:55:06	0.037
1/12/2010	11:56:06	0.034
1/12/2010	11:57:06	0.031
1/12/2010	11:58:06	0.031
1/12/2010	11:59:06	0.031
1/12/2010	12:00:06	0.032
1/12/2010	12:01:06	0.032
1/12/2010	12:02:06	0.033
1/12/2010	12:03:06	0.034
1/12/2010	12:04:06	0.035
1/12/2010	12:05:06	0.031
1/12/2010	12:06:06	0.031
1/12/2010	12:07:06	0.034
1/12/2010	12:08:06	0.031
1/12/2010	12:09:06	0.033
1/12/2010	12:10:06	0.035
1/12/2010	12:11:06	0.031
1/12/2010	12:12:06	0.029
1/12/2010	12:13:06	0.031
1/12/2010	12:14:06	0.030
1/12/2010	12:15:06	0.031
1/12/2010	12:16:06	0.030
1/12/2010	12:17:06	0.030
1/12/2010	12:18:06	0.031
1/12/2010	12:19:06	0.029
1/12/2010	12:20:06	0.029
1/12/2010	12:21:06	0.029
1/12/2010	12:22:06	0.030
1/12/2010	12:23:06	0.029
1/12/2010	12:24:06	0.029
1/12/2010	12:25:06	0.032
1/12/2010	12:26:06	0.031
1/12/2010	12:27:06	0.031
1/12/2010	12:28:06	0.032
1/12/2010	12:29:06	0.032
1/12/2010	12:30:06	0.030
1/12/2010	12:31:06	0.031
1/12/2010	12:32:06	0.033
1/12/2010	12:33:06	0.032
1/12/2010	12:34:06	0.032

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1/12/2010	12:35:06	0.031
1/12/2010	12:36:06	0.031
1/12/2010	12:37:06	0.033
1/12/2010	12:38:06	0.033
1/12/2010	12:39:06	0.031
1/12/2010	12:40:06	0.031
1/12/2010	12:41:06	0.030
1/12/2010	12:42:06	0.031
1/12/2010	12:43:06	0.031
1/12/2010	12:44:06	0.030
1/12/2010	12:45:06	0.030
1/12/2010	12:46:06	0.031
1/12/2010	12:47:06	0.030
1/12/2010	12:48:06	0.030
1/12/2010	12:49:06	0.030
1/12/2010	12:50:06	0.031
1/12/2010	12:51:06	0.030
1/12/2010	12:52:06	0.030
1/12/2010	12:53:06	0.030
1/12/2010	12:54:06	0.031
1/12/2010	12:55:06	0.029
1/12/2010	12:56:06	0.031
1/12/2010	12:57:06	0.030
1/12/2010	12:58:06	0.030
1/12/2010	12:59:06	0.030
1/12/2010	13:00:06	0.031
1/12/2010	13:01:06	0.029
1/12/2010	13:02:06	0.028
1/12/2010	13:03:06	0.030

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TrakPro Version 4.20 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85203290
Test ID:	1
Test Abbreviation:	Upwind PM
Start Date:	1/12/2010
Start Time:	14:18:43
Duration (dd:hh:mm:ss):	0:00:59:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	59
Notes:	

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.003
Minimum:	0.002
Time of Minimum:	15:08:43
Date of Minimum:	1/12/2010
Maximum:	0.008
Time of Maximum:	14:53:43
Date of Maximum:	1/12/2010

Calibration

Sensor:	Aerosol
Cal. date	12/29/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/12/2010	14:19:43	0.003
1/12/2010	14:20:43	0.003
1/12/2010	14:21:43	0.003
1/12/2010	14:22:43	0.003
1/12/2010	14:23:43	0.003
1/12/2010	14:24:43	0.003
1/12/2010	14:25:43	0.004
1/12/2010	14:26:43	0.003
1/12/2010	14:27:43	0.003
1/12/2010	14:28:43	0.003
1/12/2010	14:29:43	0.003
1/12/2010	14:30:43	0.003
1/12/2010	14:31:43	0.003

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1/12/2010	14:32:43	0.003
1/12/2010	14:33:43	0.003
1/12/2010	14:34:43	0.003
1/12/2010	14:35:43	0.003
1/12/2010	14:36:43	0.003
1/12/2010	14:37:43	0.003
1/12/2010	14:38:43	0.003
1/12/2010	14:39:43	0.003
1/12/2010	14:40:43	0.003
1/12/2010	14:41:43	0.003
1/12/2010	14:42:43	0.003
1/12/2010	14:43:43	0.003
1/12/2010	14:44:43	0.003
1/12/2010	14:45:43	0.003
1/12/2010	14:46:43	0.003
1/12/2010	14:47:43	0.003
1/12/2010	14:48:43	0.003
1/12/2010	14:49:43	0.003
1/12/2010	14:50:43	0.003
1/12/2010	14:51:43	0.003
1/12/2010	14:52:43	0.007
1/12/2010	14:53:43	0.008
1/12/2010	14:54:43	0.003
1/12/2010	14:55:43	0.003
1/12/2010	14:56:43	0.003
1/12/2010	14:57:43	0.003
1/12/2010	14:58:43	0.003
1/12/2010	14:59:43	0.003
1/12/2010	15:00:43	0.003
1/12/2010	15:01:43	0.003
1/12/2010	15:02:43	0.003
1/12/2010	15:03:43	0.003
1/12/2010	15:04:43	0.003
1/12/2010	15:05:43	0.003
1/12/2010	15:06:43	0.003
1/12/2010	15:07:43	0.003
1/12/2010	15:08:43	0.002
1/12/2010	15:09:43	0.003
1/12/2010	15:10:43	0.003
1/12/2010	15:11:43	0.003
1/12/2010	15:12:43	0.002
1/12/2010	15:13:43	0.003
1/12/2010	15:14:43	0.003
1/12/2010	15:15:43	0.003

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1/12/2010	15:16:43	0.002
1/12/2010	15:17:43	0.003

Former Payne Cutlery Daily Construction/Excavation Monitoring Summary

Date: 1/13/2010

Weather: Lower 20's, partly cloudy, slight breeze W to E

Activity: Excavation and installation of eastern catch basin and uncovering of western catch basin

Location	Unit ID	Time	Average (mg/m^3)	Minimum (mg/m^3)	Maximum (mg/m^3)	Comments
UPWIND	85203290	start 0827	N/A	N/A	N/A	
ON SITE	22259	start 0845	N/A	N/A	N/A	
DOWN WIND	85200309	start 0853	N/A	N/A	N/A	
UPWIND	85203290	0933	0.001	0.001	0.003	
ON SITE	22259	0932	0.001	0.00	0.003	
DOWN WIND	85200309	0926	0.001	0.00	0.012	
UPWIND	85203290	stop 1230	N/A	N/A	N/A	
ON SITE	22259	stop 1230	N/A	N/A	N/A	
DOWN WIND	85200309	stop 1230	N/A	N/A	N/A	
UPWIND						
ON SITE						
DOWN WIND						
UPWIND						
ON SITE						
DOWN WIND						

NOTES

Work was halted at 1030 due to elevated PID readings. JSG was busy discussing this issue with Dave Sullivan, Gary Ritter, and DPI and failed to collect more field data from the DustTraks.

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TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85200309
Test ID:	1
Test Abbreviation:	Downwind
Start Date:	1/13/2010
Start Time:	8:43:07
Duration (dd:hh:mm:ss):	0:03:31:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	211
Notes:	

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.001
Minimum:	0.000
Time of Minimum:	9:37:07
Date of Minimum:	1/13/2010
Maximum:	0.005
Time of Maximum:	9:07:07
Date of Maximum:	1/13/2010

Calibration

Sensor:	Aerosol
Cal. date	12/28/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/13/2010	8:44:07	0.002
1/13/2010	8:45:07	0.001
1/13/2010	8:46:07	0.002
1/13/2010	8:47:07	0.001
1/13/2010	8:48:07	0.001
1/13/2010	8:49:07	0.001
1/13/2010	8:50:07	0.002
1/13/2010	8:51:07	0.001
1/13/2010	8:52:07	0.001
1/13/2010	8:53:07	0.001
1/13/2010	8:54:07	0.002
1/13/2010	8:55:07	0.001
1/13/2010	8:56:07	0.002

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1/13/2010	8:57:07	0.001
1/13/2010	8:58:07	0.001
1/13/2010	8:59:07	0.001
1/13/2010	9:00:07	0.001
1/13/2010	9:01:07	0.001
1/13/2010	9:02:07	0.001
1/13/2010	9:03:07	0.001
1/13/2010	9:04:07	0.001
1/13/2010	9:05:07	0.002
1/13/2010	9:06:07	0.002
1/13/2010	9:07:07	0.005
1/13/2010	9:08:07	0.001
1/13/2010	9:09:07	0.002
1/13/2010	9:10:07	0.003
1/13/2010	9:11:07	0.001
1/13/2010	9:12:07	0.001
1/13/2010	9:13:07	0.004
1/13/2010	9:14:07	0.001
1/13/2010	9:15:07	0.002
1/13/2010	9:16:07	0.001
1/13/2010	9:17:07	0.002
1/13/2010	9:18:07	0.002
1/13/2010	9:19:07	0.001
1/13/2010	9:20:07	0.002
1/13/2010	9:21:07	0.003
1/13/2010	9:22:07	0.002
1/13/2010	9:23:07	0.001
1/13/2010	9:24:07	0.001
1/13/2010	9:25:07	0.001
1/13/2010	9:26:07	0.003
1/13/2010	9:27:07	0.001
1/13/2010	9:28:07	0.001
1/13/2010	9:29:07	0.002
1/13/2010	9:30:07	0.001
1/13/2010	9:31:07	0.001
1/13/2010	9:32:07	0.002
1/13/2010	9:33:07	0.001
1/13/2010	9:34:07	0.001
1/13/2010	9:35:07	0.001
1/13/2010	9:36:07	0.001
1/13/2010	9:37:07	0.000
1/13/2010	9:38:07	0.001
1/13/2010	9:39:07	0.001
1/13/2010	9:40:07	0.001

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1/13/2010	9:41:07	0.001
1/13/2010	9:42:07	0.001
1/13/2010	9:43:07	0.002
1/13/2010	9:44:07	0.001
1/13/2010	9:45:07	0.001
1/13/2010	9:46:07	0.001
1/13/2010	9:47:07	0.001
1/13/2010	9:48:07	0.001
1/13/2010	9:49:07	0.001
1/13/2010	9:50:07	0.001
1/13/2010	9:51:07	0.001
1/13/2010	9:52:07	0.001
1/13/2010	9:53:07	0.001
1/13/2010	9:54:07	0.001
1/13/2010	9:55:07	0.001
1/13/2010	9:56:07	0.001
1/13/2010	9:57:07	0.001
1/13/2010	9:58:07	0.001
1/13/2010	9:59:07	0.000
1/13/2010	10:00:07	0.004
1/13/2010	10:01:07	0.001
1/13/2010	10:02:07	0.001
1/13/2010	10:03:07	0.003
1/13/2010	10:04:07	0.002
1/13/2010	10:05:07	0.001
1/13/2010	10:06:07	0.001
1/13/2010	10:07:07	0.001
1/13/2010	10:08:07	0.001
1/13/2010	10:09:07	0.001
1/13/2010	10:10:07	0.001
1/13/2010	10:11:07	0.001
1/13/2010	10:12:07	0.000
1/13/2010	10:13:07	0.000
1/13/2010	10:14:07	0.000
1/13/2010	10:15:07	0.000
1/13/2010	10:16:07	0.001
1/13/2010	10:17:07	0.000
1/13/2010	10:18:07	0.000
1/13/2010	10:19:07	0.001
1/13/2010	10:20:07	0.001
1/13/2010	10:21:07	0.000
1/13/2010	10:22:07	0.000
1/13/2010	10:23:07	0.000
1/13/2010	10:24:07	0.000

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1/13/2010	10:25:07	0.000
1/13/2010	10:26:07	0.000
1/13/2010	10:27:07	0.001
1/13/2010	10:28:07	0.000
1/13/2010	10:29:07	0.000
1/13/2010	10:30:07	0.000
1/13/2010	10:31:07	0.000
1/13/2010	10:32:07	0.000
1/13/2010	10:33:07	0.001
1/13/2010	10:34:07	0.001
1/13/2010	10:35:07	0.001
1/13/2010	10:36:07	0.001
1/13/2010	10:37:07	0.000
1/13/2010	10:38:07	0.001
1/13/2010	10:39:07	0.001
1/13/2010	10:40:07	0.000
1/13/2010	10:41:07	0.001
1/13/2010	10:42:07	0.001
1/13/2010	10:43:07	0.001
1/13/2010	10:44:07	0.000
1/13/2010	10:45:07	0.000
1/13/2010	10:46:07	0.000
1/13/2010	10:47:07	0.000
1/13/2010	10:48:07	0.000
1/13/2010	10:49:07	0.000
1/13/2010	10:50:07	0.000
1/13/2010	10:51:07	0.000
1/13/2010	10:52:07	0.000
1/13/2010	10:53:07	0.000
1/13/2010	10:54:07	0.000
1/13/2010	10:55:07	0.000
1/13/2010	10:56:07	0.000
1/13/2010	10:57:07	0.001
1/13/2010	10:58:07	0.000
1/13/2010	10:59:07	0.000
1/13/2010	11:00:07	0.000
1/13/2010	11:01:07	0.000
1/13/2010	11:02:07	0.000
1/13/2010	11:03:07	0.000
1/13/2010	11:04:07	0.000
1/13/2010	11:05:07	0.000
1/13/2010	11:06:07	0.000
1/13/2010	11:07:07	0.000
1/13/2010	11:08:07	0.000

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1/13/2010	11:09:07	0.001
1/13/2010	11:10:07	0.000
1/13/2010	11:11:07	0.000
1/13/2010	11:12:07	0.000
1/13/2010	11:13:07	0.000
1/13/2010	11:14:07	0.000
1/13/2010	11:15:07	0.000
1/13/2010	11:16:07	0.000
1/13/2010	11:17:07	0.000
1/13/2010	11:18:07	0.001
1/13/2010	11:19:07	0.000
1/13/2010	11:20:07	0.000
1/13/2010	11:21:07	0.000
1/13/2010	11:22:07	0.000
1/13/2010	11:23:07	0.002
1/13/2010	11:24:07	0.000
1/13/2010	11:25:07	0.001
1/13/2010	11:26:07	0.004
1/13/2010	11:27:07	0.000
1/13/2010	11:28:07	0.001
1/13/2010	11:29:07	0.002
1/13/2010	11:30:07	0.001
1/13/2010	11:31:07	0.000
1/13/2010	11:32:07	0.001
1/13/2010	11:33:07	0.000
1/13/2010	11:34:07	0.000
1/13/2010	11:35:07	0.001
1/13/2010	11:36:07	0.001
1/13/2010	11:37:07	0.000
1/13/2010	11:38:07	0.002
1/13/2010	11:39:07	0.000
1/13/2010	11:40:07	0.001
1/13/2010	11:41:07	0.000
1/13/2010	11:42:07	0.000
1/13/2010	11:43:07	0.000
1/13/2010	11:44:07	0.000
1/13/2010	11:45:07	0.001
1/13/2010	11:46:07	0.001
1/13/2010	11:47:07	0.001
1/13/2010	11:48:07	0.000
1/13/2010	11:49:07	0.000
1/13/2010	11:50:07	0.000
1/13/2010	11:51:07	0.000
1/13/2010	11:52:07	0.000

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1/13/2010	11:53:07	0.000
1/13/2010	11:54:07	0.000
1/13/2010	11:55:07	0.000
1/13/2010	11:56:07	0.000
1/13/2010	11:57:07	0.000
1/13/2010	11:58:07	0.000
1/13/2010	11:59:07	0.000
1/13/2010	12:00:07	0.001
1/13/2010	12:01:07	0.001
1/13/2010	12:02:07	0.001
1/13/2010	12:03:07	0.001
1/13/2010	12:04:07	0.000
1/13/2010	12:05:07	0.000
1/13/2010	12:06:07	0.000
1/13/2010	12:07:07	0.000
1/13/2010	12:08:07	0.000
1/13/2010	12:09:07	0.000
1/13/2010	12:10:07	0.001
1/13/2010	12:11:07	0.000
1/13/2010	12:12:07	0.001
1/13/2010	12:13:07	0.001
1/13/2010	12:14:07	0.000

Dust Monitoring Data
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New Bedford, Massachusetts
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TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	22259
Test ID:	1
Test Abbreviation:	Worksite/Near Property
Start Date:	1/13/2010
Start Time:	8:53:37
Duration (dd:hh:mm:ss):	0:03:27:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	207
Notes:	

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.002
Minimum:	0.001
Time of Minimum:	8:54:37
Date of Minimum:	1/13/2010
Maximum:	0.006
Time of Maximum:	10:32:37
Date of Maximum:	1/13/2010

Calibration

Sensor:	Aerosol
Cal. date	1/12/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/13/2010	8:54:37	0.001
1/13/2010	8:55:37	0.001
1/13/2010	8:56:37	0.001
1/13/2010	8:57:37	0.001
1/13/2010	8:58:37	0.001
1/13/2010	8:59:37	0.001
1/13/2010	9:00:37	0.001
1/13/2010	9:01:37	0.001
1/13/2010	9:02:37	0.001
1/13/2010	9:03:37	0.001
1/13/2010	9:04:37	0.001
1/13/2010	9:05:37	0.001
1/13/2010	9:06:37	0.001

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1/13/2010	9:07:37	0.001
1/13/2010	9:08:37	0.001
1/13/2010	9:09:37	0.001
1/13/2010	9:10:37	0.001
1/13/2010	9:11:37	0.001
1/13/2010	9:12:37	0.001
1/13/2010	9:13:37	0.001
1/13/2010	9:14:37	0.001
1/13/2010	9:15:37	0.001
1/13/2010	9:16:37	0.001
1/13/2010	9:17:37	0.001
1/13/2010	9:18:37	0.001
1/13/2010	9:19:37	0.001
1/13/2010	9:20:37	0.001
1/13/2010	9:21:37	0.001
1/13/2010	9:22:37	0.001
1/13/2010	9:23:37	0.002
1/13/2010	9:24:37	0.002
1/13/2010	9:25:37	0.001
1/13/2010	9:26:37	0.001
1/13/2010	9:27:37	0.001
1/13/2010	9:28:37	0.001
1/13/2010	9:29:37	0.001
1/13/2010	9:30:37	0.001
1/13/2010	9:31:37	0.001
1/13/2010	9:32:37	0.001
1/13/2010	9:33:37	0.001
1/13/2010	9:34:37	0.001
1/13/2010	9:35:37	0.001
1/13/2010	9:36:37	0.001
1/13/2010	9:37:37	0.001
1/13/2010	9:38:37	0.001
1/13/2010	9:39:37	0.001
1/13/2010	9:40:37	0.001
1/13/2010	9:41:37	0.001
1/13/2010	9:42:37	0.001
1/13/2010	9:43:37	0.001
1/13/2010	9:44:37	0.001
1/13/2010	9:45:37	0.001
1/13/2010	9:46:37	0.001
1/13/2010	9:47:37	0.001
1/13/2010	9:48:37	0.001
1/13/2010	9:49:37	0.001
1/13/2010	9:50:37	0.001

Dust Monitoring Data
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1/13/2010	9:51:37	0.003
1/13/2010	9:52:37	0.001
1/13/2010	9:53:37	0.001
1/13/2010	9:54:37	0.001
1/13/2010	9:55:37	0.001
1/13/2010	9:56:37	0.001
1/13/2010	9:57:37	0.001
1/13/2010	9:58:37	0.001
1/13/2010	9:59:37	0.001
1/13/2010	10:00:37	0.001
1/13/2010	10:01:37	0.001
1/13/2010	10:02:37	0.001
1/13/2010	10:03:37	0.001
1/13/2010	10:04:37	0.001
1/13/2010	10:05:37	0.002
1/13/2010	10:06:37	0.002
1/13/2010	10:07:37	0.001
1/13/2010	10:08:37	0.001
1/13/2010	10:09:37	0.001
1/13/2010	10:10:37	0.002
1/13/2010	10:11:37	0.001
1/13/2010	10:12:37	0.002
1/13/2010	10:13:37	0.002
1/13/2010	10:14:37	0.001
1/13/2010	10:15:37	0.001
1/13/2010	10:16:37	0.001
1/13/2010	10:17:37	0.001
1/13/2010	10:18:37	0.001
1/13/2010	10:19:37	0.001
1/13/2010	10:20:37	0.002
1/13/2010	10:21:37	0.001
1/13/2010	10:22:37	0.004
1/13/2010	10:23:37	0.004
1/13/2010	10:24:37	0.004
1/13/2010	10:25:37	0.003
1/13/2010	10:26:37	0.004
1/13/2010	10:27:37	0.004
1/13/2010	10:28:37	0.003
1/13/2010	10:29:37	0.003
1/13/2010	10:30:37	0.003
1/13/2010	10:31:37	0.004
1/13/2010	10:32:37	0.006
1/13/2010	10:33:37	0.004
1/13/2010	10:34:37	0.003

Dust Monitoring Data
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New Bedford, Massachusetts
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1/13/2010	10:35:37	0.003
1/13/2010	10:36:37	0.003
1/13/2010	10:37:37	0.003
1/13/2010	10:38:37	0.003
1/13/2010	10:39:37	0.004
1/13/2010	10:40:37	0.004
1/13/2010	10:41:37	0.004
1/13/2010	10:42:37	0.005
1/13/2010	10:43:37	0.004
1/13/2010	10:44:37	0.003
1/13/2010	10:45:37	0.003
1/13/2010	10:46:37	0.004
1/13/2010	10:47:37	0.003
1/13/2010	10:48:37	0.001
1/13/2010	10:49:37	0.002
1/13/2010	10:50:37	0.002
1/13/2010	10:51:37	0.002
1/13/2010	10:52:37	0.001
1/13/2010	10:53:37	0.002
1/13/2010	10:54:37	0.002
1/13/2010	10:55:37	0.002
1/13/2010	10:56:37	0.001
1/13/2010	10:57:37	0.002
1/13/2010	10:58:37	0.002
1/13/2010	10:59:37	0.003
1/13/2010	11:00:37	0.002
1/13/2010	11:01:37	0.002
1/13/2010	11:02:37	0.002
1/13/2010	11:03:37	0.002
1/13/2010	11:04:37	0.002
1/13/2010	11:05:37	0.002
1/13/2010	11:06:37	0.001
1/13/2010	11:07:37	0.001
1/13/2010	11:08:37	0.002
1/13/2010	11:09:37	0.002
1/13/2010	11:10:37	0.002
1/13/2010	11:11:37	0.003
1/13/2010	11:12:37	0.002
1/13/2010	11:13:37	0.001
1/13/2010	11:14:37	0.002
1/13/2010	11:15:37	0.003
1/13/2010	11:16:37	0.003
1/13/2010	11:17:37	0.003
1/13/2010	11:18:37	0.004

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
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1/13/2010	11:19:37	0.002
1/13/2010	11:20:37	0.001
1/13/2010	11:21:37	0.001
1/13/2010	11:22:37	0.001
1/13/2010	11:23:37	0.001
1/13/2010	11:24:37	0.001
1/13/2010	11:25:37	0.001
1/13/2010	11:26:37	0.004
1/13/2010	11:27:37	0.001
1/13/2010	11:28:37	0.001
1/13/2010	11:29:37	0.001
1/13/2010	11:30:37	0.001
1/13/2010	11:31:37	0.001
1/13/2010	11:32:37	0.003
1/13/2010	11:33:37	0.004
1/13/2010	11:34:37	0.001
1/13/2010	11:35:37	0.001
1/13/2010	11:36:37	0.002
1/13/2010	11:37:37	0.002
1/13/2010	11:38:37	0.002
1/13/2010	11:39:37	0.002
1/13/2010	11:40:37	0.001
1/13/2010	11:41:37	0.001
1/13/2010	11:42:37	0.001
1/13/2010	11:43:37	0.001
1/13/2010	11:44:37	0.001
1/13/2010	11:45:37	0.001
1/13/2010	11:46:37	0.001
1/13/2010	11:47:37	0.001
1/13/2010	11:48:37	0.001
1/13/2010	11:49:37	0.001
1/13/2010	11:50:37	0.001
1/13/2010	11:51:37	0.001
1/13/2010	11:52:37	0.001
1/13/2010	11:53:37	0.001
1/13/2010	11:54:37	0.002
1/13/2010	11:55:37	0.001
1/13/2010	11:56:37	0.001
1/13/2010	11:57:37	0.001
1/13/2010	11:58:37	0.001
1/13/2010	11:59:37	0.001
1/13/2010	12:00:37	0.001
1/13/2010	12:01:37	0.002
1/13/2010	12:02:37	0.002

Dust Monitoring Data
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1/13/2010	12:03:37	0.002
1/13/2010	12:04:37	0.002
1/13/2010	12:05:37	0.003
1/13/2010	12:06:37	0.002
1/13/2010	12:07:37	0.002
1/13/2010	12:08:37	0.003
1/13/2010	12:09:37	0.001
1/13/2010	12:10:37	0.001
1/13/2010	12:11:37	0.001
1/13/2010	12:12:37	0.002
1/13/2010	12:13:37	0.001
1/13/2010	12:14:37	0.001
1/13/2010	12:15:37	0.001
1/13/2010	12:16:37	0.001
1/13/2010	12:17:37	0.001
1/13/2010	12:18:37	0.001
1/13/2010	12:19:37	0.001
1/13/2010	12:20:37	0.001

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
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TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85203290
Test ID:	1
Test Abbreviation:	Upwind
Start Date:	1/13/2010
Start Time:	8:35:54
Duration (dd:hh:mm:ss):	0:03:43:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	223
Notes:	

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.001
Minimum:	0
Time of Minimum:	10:24:54
Date of Minimum:	1/13/2010
Maximum:	0.004
Time of Maximum:	11:26:54
Date of Maximum:	1/13/2010

Calibration

Sensor:	Aerosol
Cal. date	12/29/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/13/2010	8:36:54	0.001
1/13/2010	8:37:54	0.001
1/13/2010	8:38:54	0.001
1/13/2010	8:39:54	0.002
1/13/2010	8:40:54	0.001
1/13/2010	8:41:54	0.001
1/13/2010	8:42:54	0.001
1/13/2010	8:43:54	0.001
1/13/2010	8:44:54	0.001
1/13/2010	8:45:54	0.001
1/13/2010	8:46:54	0.001
1/13/2010	8:47:54	0.002
1/13/2010	8:48:54	0.001

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1/13/2010	8:49:54	0.001
1/13/2010	8:50:54	0.001
1/13/2010	8:51:54	0.001
1/13/2010	8:52:54	0.001
1/13/2010	8:53:54	0.001
1/13/2010	8:54:54	0.001
1/13/2010	8:55:54	0.001
1/13/2010	8:56:54	0.001
1/13/2010	8:57:54	0.001
1/13/2010	8:58:54	0.001
1/13/2010	8:59:54	0.001
1/13/2010	9:00:54	0.001
1/13/2010	9:01:54	0.001
1/13/2010	9:02:54	0.001
1/13/2010	9:03:54	0.001
1/13/2010	9:04:54	0.001
1/13/2010	9:05:54	0.001
1/13/2010	9:06:54	0.001
1/13/2010	9:07:54	0.001
1/13/2010	9:08:54	0.001
1/13/2010	9:09:54	0.001
1/13/2010	9:10:54	0.001
1/13/2010	9:11:54	0.001
1/13/2010	9:12:54	0.001
1/13/2010	9:13:54	0.001
1/13/2010	9:14:54	0.001
1/13/2010	9:15:54	0.001
1/13/2010	9:16:54	0.001
1/13/2010	9:17:54	0.001
1/13/2010	9:18:54	0.001
1/13/2010	9:19:54	0.001
1/13/2010	9:20:54	0.001
1/13/2010	9:21:54	0.001
1/13/2010	9:22:54	0.001
1/13/2010	9:23:54	0.001
1/13/2010	9:24:54	0.001
1/13/2010	9:25:54	0.001
1/13/2010	9:26:54	0.001
1/13/2010	9:27:54	0.001
1/13/2010	9:28:54	0.001
1/13/2010	9:29:54	0.001
1/13/2010	9:30:54	0.001
1/13/2010	9:31:54	0.001
1/13/2010	9:32:54	0.001

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1/13/2010	9:33:54	0.001
1/13/2010	9:34:54	0.002
1/13/2010	9:35:54	0.001
1/13/2010	9:36:54	0.001
1/13/2010	9:37:54	0.001
1/13/2010	9:38:54	0.001
1/13/2010	9:39:54	0.001
1/13/2010	9:40:54	0.001
1/13/2010	9:41:54	0.001
1/13/2010	9:42:54	0.001
1/13/2010	9:43:54	0.001
1/13/2010	9:44:54	0.001
1/13/2010	9:45:54	0.001
1/13/2010	9:46:54	0.001
1/13/2010	9:47:54	0.001
1/13/2010	9:48:54	0.001
1/13/2010	9:49:54	0.001
1/13/2010	9:50:54	0.001
1/13/2010	9:51:54	0.001
1/13/2010	9:52:54	0.001
1/13/2010	9:53:54	0.001
1/13/2010	9:54:54	0.001
1/13/2010	9:55:54	0.001
1/13/2010	9:56:54	0.001
1/13/2010	9:57:54	0.001
1/13/2010	9:58:54	0.001
1/13/2010	9:59:54	0.001
1/13/2010	10:00:54	0.001
1/13/2010	10:01:54	0.001
1/13/2010	10:02:54	0.001
1/13/2010	10:03:54	0.001
1/13/2010	10:04:54	0.001
1/13/2010	10:05:54	0.002
1/13/2010	10:06:54	0.002
1/13/2010	10:07:54	0.001
1/13/2010	10:08:54	0.002
1/13/2010	10:09:54	0.002
1/13/2010	10:10:54	0.002
1/13/2010	10:11:54	0.002
1/13/2010	10:12:54	0.002
1/13/2010	10:13:54	0.001
1/13/2010	10:14:54	0.001
1/13/2010	10:15:54	0.001
1/13/2010	10:16:54	0.001

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1/13/2010	10:17:54	0.001
1/13/2010	10:18:54	0.001
1/13/2010	10:19:54	0.001
1/13/2010	10:20:54	0.001
1/13/2010	10:21:54	0.001
1/13/2010	10:22:54	0.001
1/13/2010	10:23:54	0.001
1/13/2010	10:24:54	0.000
1/13/2010	10:25:54	0.001
1/13/2010	10:26:54	0.001
1/13/2010	10:27:54	0.001
1/13/2010	10:28:54	0.001
1/13/2010	10:29:54	0.001
1/13/2010	10:30:54	0.000
1/13/2010	10:31:54	0.002
1/13/2010	10:32:54	0.001
1/13/2010	10:33:54	0.001
1/13/2010	10:34:54	0.001
1/13/2010	10:35:54	0.001
1/13/2010	10:36:54	0.001
1/13/2010	10:37:54	0.001
1/13/2010	10:38:54	0.000
1/13/2010	10:39:54	0.001
1/13/2010	10:40:54	0.001
1/13/2010	10:41:54	0.001
1/13/2010	10:42:54	0.001
1/13/2010	10:43:54	0.000
1/13/2010	10:44:54	0.001
1/13/2010	10:45:54	0.001
1/13/2010	10:46:54	0.000
1/13/2010	10:47:54	0.000
1/13/2010	10:48:54	0.000
1/13/2010	10:49:54	0.000
1/13/2010	10:50:54	0.000
1/13/2010	10:51:54	0.000
1/13/2010	10:52:54	0.000
1/13/2010	10:53:54	0.000
1/13/2010	10:54:54	0.000
1/13/2010	10:55:54	0.000
1/13/2010	10:56:54	0.000
1/13/2010	10:57:54	0.000
1/13/2010	10:58:54	0.000
1/13/2010	10:59:54	0.001
1/13/2010	11:00:54	0.000

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New Bedford, Massachusetts
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1/13/2010	11:01:54	0.000
1/13/2010	11:02:54	0.000
1/13/2010	11:03:54	0.000
1/13/2010	11:04:54	0.000
1/13/2010	11:05:54	0.000
1/13/2010	11:06:54	0.000
1/13/2010	11:07:54	0.000
1/13/2010	11:08:54	0.000
1/13/2010	11:09:54	0.000
1/13/2010	11:10:54	0.002
1/13/2010	11:11:54	0.001
1/13/2010	11:12:54	0.000
1/13/2010	11:13:54	0.000
1/13/2010	11:14:54	0.000
1/13/2010	11:15:54	0.000
1/13/2010	11:16:54	0.000
1/13/2010	11:17:54	0.000
1/13/2010	11:18:54	0.000
1/13/2010	11:19:54	0.000
1/13/2010	11:20:54	0.000
1/13/2010	11:21:54	0.000
1/13/2010	11:22:54	0.000
1/13/2010	11:23:54	0.000
1/13/2010	11:24:54	0.000
1/13/2010	11:25:54	0.000
1/13/2010	11:26:54	0.004
1/13/2010	11:27:54	0.000
1/13/2010	11:28:54	0.000
1/13/2010	11:29:54	0.000
1/13/2010	11:30:54	0.000
1/13/2010	11:31:54	0.002
1/13/2010	11:32:54	0.000
1/13/2010	11:33:54	0.001
1/13/2010	11:34:54	0.001
1/13/2010	11:35:54	0.000
1/13/2010	11:36:54	0.000
1/13/2010	11:37:54	0.000
1/13/2010	11:38:54	0.000
1/13/2010	11:39:54	0.000
1/13/2010	11:40:54	0.000
1/13/2010	11:41:54	0.000
1/13/2010	11:42:54	0.000
1/13/2010	11:43:54	0.001
1/13/2010	11:44:54	0.000

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1/13/2010	11:45:54	0.000
1/13/2010	11:46:54	0.000
1/13/2010	11:47:54	0.000
1/13/2010	11:48:54	0.000
1/13/2010	11:49:54	0.001
1/13/2010	11:50:54	0.001
1/13/2010	11:51:54	0.000
1/13/2010	11:52:54	0.001
1/13/2010	11:53:54	0.000
1/13/2010	11:54:54	0.001
1/13/2010	11:55:54	0.000
1/13/2010	11:56:54	0.000
1/13/2010	11:57:54	0.000
1/13/2010	11:58:54	0.000
1/13/2010	11:59:54	0.000
1/13/2010	12:00:54	0.000
1/13/2010	12:01:54	0.000
1/13/2010	12:02:54	0.000
1/13/2010	12:03:54	0.000
1/13/2010	12:04:54	0.000
1/13/2010	12:05:54	0.001
1/13/2010	12:06:54	0.000
1/13/2010	12:07:54	0.000
1/13/2010	12:08:54	0.000
1/13/2010	12:09:54	0.000
1/13/2010	12:10:54	0.000
1/13/2010	12:11:54	0.000
1/13/2010	12:12:54	0.001
1/13/2010	12:13:54	0.000
1/13/2010	12:14:54	0.000
1/13/2010	12:15:54	0.000
1/13/2010	12:16:54	0.000
1/13/2010	12:17:54	0.000
1/13/2010	12:18:54	0.001

Former Payne Cutlery Daily Construction/Excavation Monitoring Summary

Date: 1/19/2010

Weather: Lower 30s, cloudy, hazy, calm. Rain began at about 12:40.

Activity: Excavation and installation of drain pipe between catch basins. There was also some cutting of concrete that generated dust.

Location	Unit ID	Time	Average (mg/m^3)	Minimum (mg/m^3)	Maximum (mg/m^3)	Comments
UPWIND	22259	start 0845	N/A	N/A	N/A	
ON SITE	22139	start 0840	N/A	N/A	N/A	
DOWN WIND	85203290	start 0838	N/A	N/A	N/A	
UPWIND	22259	0928	0.046	0.029	0.301	
ON SITE	22139	0926	0.054	0.034	0.067	
DOWN WIND	85203290	0923	0.043	0.040	0.045	Statistics for beginning of Test 2, not for Test 1
UPWIND	22259	1148	0.035	0.017	0.301	
ON SITE	22139	1138	0.042	0.02	0.246	
DOWN WIND	85203290	1140	0.062	0.021	7.21	High reading likely from dust from cutting of concrete manhole
UPWIND	85203290	stop 1247	0.035	0.017	0.301	
ON SITE	22259	stop 1252	0.046	0.024	0.246	
DOWN WIND	85200309	stop 1240	0.056	0.021	7.21	
UPWIND						
ON SITE						
DOWN WIND						

NOTES

DustTraks shut down early due to rain. Work completed at 1500.

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
January 19, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85203290
Test ID:	1
Test Abbreviation:	Downwind
Start Date:	1/19/2010
Start Time:	8:39:34
Duration (dd:hh:mm:ss):	0:00:45:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	45
Notes:	

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.048
Minimum:	0.04
Time of Minimum:	8:46:34
Date of Minimum:	1/19/2010
Maximum:	0.06
Time of Maximum:	9:08:34
Date of Maximum:	1/19/2010

Calibration

Sensor:	Aerosol
Cal. date	4/3/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/19/2010	8:40:34	0.048
1/19/2010	8:41:34	0.041
1/19/2010	8:42:34	0.041
1/19/2010	8:43:34	0.042
1/19/2010	8:44:34	0.041
1/19/2010	8:45:34	0.042
1/19/2010	8:46:34	0.040
1/19/2010	8:47:34	0.041
1/19/2010	8:48:34	0.040
1/19/2010	8:49:34	0.042
1/19/2010	8:50:34	0.041
1/19/2010	8:51:34	0.041
1/19/2010	8:52:34	0.048

Dust Monitoring Data
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New Bedford, Massachusetts
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1/19/2010	8:53:34	0.043
1/19/2010	8:54:34	0.045
1/19/2010	8:55:34	0.043
1/19/2010	8:56:34	0.044
1/19/2010	8:57:34	0.045
1/19/2010	8:58:34	0.049
1/19/2010	8:59:34	0.048
1/19/2010	9:00:34	0.051
1/19/2010	9:01:34	0.052
1/19/2010	9:02:34	0.056
1/19/2010	9:03:34	0.053
1/19/2010	9:04:34	0.055
1/19/2010	9:05:34	0.055
1/19/2010	9:06:34	0.056
1/19/2010	9:07:34	0.059
1/19/2010	9:08:34	0.060
1/19/2010	9:09:34	0.058
1/19/2010	9:10:34	0.058
1/19/2010	9:11:34	0.058
1/19/2010	9:12:34	0.058
1/19/2010	9:13:34	0.057
1/19/2010	9:14:34	0.055
1/19/2010	9:15:34	0.052
1/19/2010	9:16:34	0.051
1/19/2010	9:17:34	0.050
1/19/2010	9:18:34	0.050
1/19/2010	9:19:34	0.049
1/19/2010	9:20:34	0.046
1/19/2010	9:21:34	0.043
1/19/2010	9:22:34	0.044
1/19/2010	9:23:34	0.046
1/19/2010	9:24:34	0.041

Model:	Dust Trak
Model Number:	8520
Serial Number:	85203290
Test ID:	2
Test Abbreviation:	Downwind
Start Date:	1/19/2010
Start Time:	9:24:38
Duration (dd:hh:mm:ss):	00:03:20:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	200

Dust Monitoring Data
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Notes:

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.056
Minimum:	0.025
Time of Minimum:	10:26:38
Date of Minimum:	1/19/2010
Maximum:	1.592
Time of Maximum:	9:50:38
Date of Maximum:	1/19/2010

Calibration

Sensor:	Aerosol
Cal. date	4/3/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/19/2010	9:25:38	0.043
1/19/2010	9:26:38	0.052
1/19/2010	9:27:38	0.041
1/19/2010	9:28:38	0.039
1/19/2010	9:29:38	0.038
1/19/2010	9:30:38	0.037
1/19/2010	9:31:38	0.035
1/19/2010	9:32:38	0.037
1/19/2010	9:33:38	0.036
1/19/2010	9:34:38	0.036
1/19/2010	9:35:38	0.036
1/19/2010	9:36:38	0.035
1/19/2010	9:37:38	0.036
1/19/2010	9:38:38	0.036
1/19/2010	9:39:38	0.035
1/19/2010	9:40:38	0.036
1/19/2010	9:41:38	0.035
1/19/2010	9:42:38	0.034
1/19/2010	9:43:38	0.035
1/19/2010	9:44:38	0.037
1/19/2010	9:45:38	0.036
1/19/2010	9:46:38	0.035
1/19/2010	9:47:38	0.038
1/19/2010	9:48:38	0.038
1/19/2010	9:49:38	0.045

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1/19/2010	9:50:38	1.592
1/19/2010	9:51:38	0.047
1/19/2010	9:52:38	0.039
1/19/2010	9:53:38	0.461
1/19/2010	9:54:38	0.083
1/19/2010	9:55:38	0.442
1/19/2010	9:56:38	0.404
1/19/2010	9:57:38	0.101
1/19/2010	9:58:38	0.078
1/19/2010	9:59:38	0.102
1/19/2010	10:00:38	0.039
1/19/2010	10:01:38	0.038
1/19/2010	10:02:38	0.033
1/19/2010	10:03:38	0.032
1/19/2010	10:04:38	0.030
1/19/2010	10:05:38	0.035
1/19/2010	10:06:38	0.028
1/19/2010	10:07:38	0.139
1/19/2010	10:08:38	0.040
1/19/2010	10:09:38	0.038
1/19/2010	10:10:38	0.036
1/19/2010	10:11:38	0.032
1/19/2010	10:12:38	0.029
1/19/2010	10:13:38	0.027
1/19/2010	10:14:38	0.027
1/19/2010	10:15:38	0.035
1/19/2010	10:16:38	0.100
1/19/2010	10:17:38	0.110
1/19/2010	10:18:38	0.065
1/19/2010	10:19:38	0.055
1/19/2010	10:20:38	0.111
1/19/2010	10:21:38	0.122
1/19/2010	10:22:38	0.047
1/19/2010	10:23:38	0.039
1/19/2010	10:24:38	0.027
1/19/2010	10:25:38	0.026
1/19/2010	10:26:38	0.025
1/19/2010	10:27:38	0.027
1/19/2010	10:28:38	0.025
1/19/2010	10:29:38	0.027
1/19/2010	10:30:38	0.038
1/19/2010	10:31:38	0.030
1/19/2010	10:32:38	0.042
1/19/2010	10:33:38	0.029

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1/19/2010	10:34:38	0.029
1/19/2010	10:35:38	0.028
1/19/2010	10:36:38	0.025
1/19/2010	10:37:38	0.028
1/19/2010	10:38:38	0.030
1/19/2010	10:39:38	0.030
1/19/2010	10:40:38	0.029
1/19/2010	10:41:38	0.028
1/19/2010	10:42:38	0.028
1/19/2010	10:43:38	0.050
1/19/2010	10:44:38	0.029
1/19/2010	10:45:38	0.031
1/19/2010	10:46:38	0.035
1/19/2010	10:47:38	0.026
1/19/2010	10:48:38	0.031
1/19/2010	10:49:38	0.029
1/19/2010	10:50:38	0.027
1/19/2010	10:51:38	0.028
1/19/2010	10:52:38	0.027
1/19/2010	10:53:38	0.029
1/19/2010	10:54:38	0.029
1/19/2010	10:55:38	0.029
1/19/2010	10:56:38	0.030
1/19/2010	10:57:38	0.032
1/19/2010	10:58:38	0.034
1/19/2010	10:59:38	0.028
1/19/2010	11:00:38	0.029
1/19/2010	11:01:38	0.031
1/19/2010	11:02:38	0.032
1/19/2010	11:03:38	0.041
1/19/2010	11:04:38	0.035
1/19/2010	11:05:38	0.033
1/19/2010	11:06:38	0.033
1/19/2010	11:07:38	0.033
1/19/2010	11:08:38	0.045
1/19/2010	11:09:38	0.035
1/19/2010	11:10:38	0.068
1/19/2010	11:11:38	0.039
1/19/2010	11:12:38	0.036
1/19/2010	11:13:38	0.035
1/19/2010	11:14:38	0.035
1/19/2010	11:15:38	0.035
1/19/2010	11:16:38	0.033
1/19/2010	11:17:38	0.035

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1/19/2010	11:18:38	0.037
1/19/2010	11:19:38	0.039
1/19/2010	11:20:38	0.037
1/19/2010	11:21:38	0.053
1/19/2010	11:22:38	0.055
1/19/2010	11:23:38	0.041
1/19/2010	11:24:38	0.044
1/19/2010	11:25:38	0.064
1/19/2010	11:26:38	0.049
1/19/2010	11:27:38	0.044
1/19/2010	11:28:38	0.045
1/19/2010	11:29:38	0.048
1/19/2010	11:30:38	0.047
1/19/2010	11:31:38	0.048
1/19/2010	11:32:38	0.053
1/19/2010	11:33:38	0.052
1/19/2010	11:34:38	0.050
1/19/2010	11:35:38	0.052
1/19/2010	11:36:38	0.070
1/19/2010	11:37:38	0.071
1/19/2010	11:38:38	0.052
1/19/2010	11:39:38	0.048
1/19/2010	11:40:38	0.047
1/19/2010	11:41:38	0.047
1/19/2010	11:42:38	0.048
1/19/2010	11:43:38	0.049
1/19/2010	11:44:38	0.049
1/19/2010	11:45:38	0.049
1/19/2010	11:46:38	0.050
1/19/2010	11:47:38	0.049
1/19/2010	11:48:38	0.048
1/19/2010	11:49:38	0.050
1/19/2010	11:50:38	0.050
1/19/2010	11:51:38	0.049
1/19/2010	11:52:38	0.050
1/19/2010	11:53:38	0.048
1/19/2010	11:54:38	0.044
1/19/2010	11:55:38	0.045
1/19/2010	11:56:38	0.048
1/19/2010	11:57:38	0.049
1/19/2010	11:58:38	0.046
1/19/2010	11:59:38	0.045
1/19/2010	12:00:38	0.042
1/19/2010	12:01:38	0.044

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1/19/2010	12:02:38	0.042
1/19/2010	12:03:38	0.041
1/19/2010	12:04:38	0.043
1/19/2010	12:05:38	0.044
1/19/2010	12:06:38	0.043
1/19/2010	12:07:38	0.041
1/19/2010	12:08:38	0.042
1/19/2010	12:09:38	0.043
1/19/2010	12:10:38	0.041
1/19/2010	12:11:38	0.040
1/19/2010	12:12:38	0.038
1/19/2010	12:13:38	0.038
1/19/2010	12:14:38	0.036
1/19/2010	12:15:38	0.033
1/19/2010	12:16:38	0.035
1/19/2010	12:17:38	0.034
1/19/2010	12:18:38	0.037
1/19/2010	12:19:38	0.037
1/19/2010	12:20:38	0.037
1/19/2010	12:21:38	0.038
1/19/2010	12:22:38	0.040
1/19/2010	12:23:38	0.040
1/19/2010	12:24:38	0.038
1/19/2010	12:25:38	0.039
1/19/2010	12:26:38	0.039
1/19/2010	12:27:38	0.039
1/19/2010	12:28:38	0.039
1/19/2010	12:29:38	0.039
1/19/2010	12:30:38	0.040
1/19/2010	12:31:38	0.040
1/19/2010	12:32:38	0.038
1/19/2010	12:33:38	0.039
1/19/2010	12:34:38	0.040
1/19/2010	12:35:38	0.040
1/19/2010	12:36:38	0.041
1/19/2010	12:37:38	0.040
1/19/2010	12:38:38	0.041
1/19/2010	12:39:38	0.041
1/19/2010	12:40:38	0.042
1/19/2010	12:41:38	0.041
1/19/2010	12:42:38	0.039
1/19/2010	12:43:38	0.040
1/19/2010	12:44:38	0.039

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TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	22139
Test ID:	1
Test Abbreviation:	Worksite/Near Property
Start Date:	1/19/2010
Start Time:	8:47:30
Duration (dd:hh:mm:ss):	0:04:11:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	251
Notes:	

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.046
Minimum:	0.026
Time of Minimum:	10:47:30
Date of Minimum:	1/19/2010
Maximum:	0.077
Time of Maximum:	11:25:30
Date of Maximum:	1/19/2010

Calibration

Sensor:	Aerosol
Cal. date	8/7/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/19/2010	8:48:30	0.046
1/19/2010	8:49:30	0.047
1/19/2010	8:50:30	0.045
1/19/2010	8:51:30	0.047
1/19/2010	8:52:30	0.046
1/19/2010	8:53:30	0.047
1/19/2010	8:54:30	0.049
1/19/2010	8:55:30	0.049
1/19/2010	8:56:30	0.048
1/19/2010	8:57:30	0.049
1/19/2010	8:58:30	0.049
1/19/2010	8:59:30	0.048
1/19/2010	9:00:30	0.049

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1/19/2010	9:01:30	0.051
1/19/2010	9:02:30	0.056
1/19/2010	9:03:30	0.056
1/19/2010	9:04:30	0.058
1/19/2010	9:05:30	0.059
1/19/2010	9:06:30	0.063
1/19/2010	9:07:30	0.062
1/19/2010	9:08:30	0.060
1/19/2010	9:09:30	0.062
1/19/2010	9:10:30	0.064
1/19/2010	9:11:30	0.064
1/19/2010	9:12:30	0.063
1/19/2010	9:13:30	0.062
1/19/2010	9:14:30	0.063
1/19/2010	9:15:30	0.063
1/19/2010	9:16:30	0.063
1/19/2010	9:17:30	0.061
1/19/2010	9:18:30	0.059
1/19/2010	9:19:30	0.054
1/19/2010	9:20:30	0.057
1/19/2010	9:21:30	0.056
1/19/2010	9:22:30	0.058
1/19/2010	9:23:30	0.056
1/19/2010	9:24:30	0.049
1/19/2010	9:25:30	0.048
1/19/2010	9:26:30	0.047
1/19/2010	9:27:30	0.050
1/19/2010	9:28:30	0.048
1/19/2010	9:29:30	0.048
1/19/2010	9:30:30	0.049
1/19/2010	9:31:30	0.042
1/19/2010	9:32:30	0.042
1/19/2010	9:33:30	0.040
1/19/2010	9:34:30	0.039
1/19/2010	9:35:30	0.039
1/19/2010	9:36:30	0.038
1/19/2010	9:37:30	0.037
1/19/2010	9:38:30	0.038
1/19/2010	9:39:30	0.042
1/19/2010	9:40:30	0.042
1/19/2010	9:41:30	0.038
1/19/2010	9:42:30	0.038
1/19/2010	9:43:30	0.038
1/19/2010	9:44:30	0.040

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1/19/2010	9:45:30	0.039
1/19/2010	9:46:30	0.038
1/19/2010	9:47:30	0.040
1/19/2010	9:48:30	0.049
1/19/2010	9:49:30	0.043
1/19/2010	9:50:30	0.050
1/19/2010	9:51:30	0.049
1/19/2010	9:52:30	0.044
1/19/2010	9:53:30	0.040
1/19/2010	9:54:30	0.037
1/19/2010	9:55:30	0.039
1/19/2010	9:56:30	0.039
1/19/2010	9:57:30	0.038
1/19/2010	9:58:30	0.050
1/19/2010	9:59:30	0.049
1/19/2010	10:00:30	0.038
1/19/2010	10:01:30	0.038
1/19/2010	10:02:30	0.037
1/19/2010	10:03:30	0.038
1/19/2010	10:04:30	0.034
1/19/2010	10:05:30	0.033
1/19/2010	10:06:30	0.034
1/19/2010	10:07:30	0.033
1/19/2010	10:08:30	0.035
1/19/2010	10:09:30	0.033
1/19/2010	10:10:30	0.033
1/19/2010	10:11:30	0.032
1/19/2010	10:12:30	0.030
1/19/2010	10:13:30	0.033
1/19/2010	10:14:30	0.031
1/19/2010	10:15:30	0.031
1/19/2010	10:16:30	0.032
1/19/2010	10:17:30	0.028
1/19/2010	10:18:30	0.029
1/19/2010	10:19:30	0.029
1/19/2010	10:20:30	0.029
1/19/2010	10:21:30	0.028
1/19/2010	10:22:30	0.029
1/19/2010	10:23:30	0.031
1/19/2010	10:24:30	0.030
1/19/2010	10:25:30	0.028
1/19/2010	10:26:30	0.028
1/19/2010	10:27:30	0.029
1/19/2010	10:28:30	0.029

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1/19/2010	10:29:30	0.029
1/19/2010	10:30:30	0.030
1/19/2010	10:31:30	0.029
1/19/2010	10:32:30	0.029
1/19/2010	10:33:30	0.029
1/19/2010	10:34:30	0.035
1/19/2010	10:35:30	0.032
1/19/2010	10:36:30	0.031
1/19/2010	10:37:30	0.030
1/19/2010	10:38:30	0.031
1/19/2010	10:39:30	0.033
1/19/2010	10:40:30	0.029
1/19/2010	10:41:30	0.031
1/19/2010	10:42:30	0.033
1/19/2010	10:43:30	0.030
1/19/2010	10:44:30	0.031
1/19/2010	10:45:30	0.034
1/19/2010	10:46:30	0.028
1/19/2010	10:47:30	0.026
1/19/2010	10:48:30	0.026
1/19/2010	10:49:30	0.029
1/19/2010	10:50:30	0.028
1/19/2010	10:51:30	0.030
1/19/2010	10:52:30	0.031
1/19/2010	10:53:30	0.031
1/19/2010	10:54:30	0.032
1/19/2010	10:55:30	0.031
1/19/2010	10:56:30	0.030
1/19/2010	10:57:30	0.032
1/19/2010	10:58:30	0.032
1/19/2010	10:59:30	0.032
1/19/2010	11:00:30	0.031
1/19/2010	11:01:30	0.033
1/19/2010	11:02:30	0.035
1/19/2010	11:03:30	0.030
1/19/2010	11:04:30	0.032
1/19/2010	11:05:30	0.034
1/19/2010	11:06:30	0.035
1/19/2010	11:07:30	0.036
1/19/2010	11:08:30	0.037
1/19/2010	11:09:30	0.036
1/19/2010	11:10:30	0.037
1/19/2010	11:11:30	0.038
1/19/2010	11:12:30	0.038

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1/19/2010	11:13:30	0.037
1/19/2010	11:14:30	0.043
1/19/2010	11:15:30	0.042
1/19/2010	11:16:30	0.038
1/19/2010	11:17:30	0.038
1/19/2010	11:18:30	0.040
1/19/2010	11:19:30	0.038
1/19/2010	11:20:30	0.039
1/19/2010	11:21:30	0.040
1/19/2010	11:22:30	0.041
1/19/2010	11:23:30	0.042
1/19/2010	11:24:30	0.041
1/19/2010	11:25:30	0.077
1/19/2010	11:26:30	0.043
1/19/2010	11:27:30	0.052
1/19/2010	11:28:30	0.052
1/19/2010	11:29:30	0.055
1/19/2010	11:30:30	0.050
1/19/2010	11:31:30	0.049
1/19/2010	11:32:30	0.051
1/19/2010	11:33:30	0.054
1/19/2010	11:34:30	0.054
1/19/2010	11:35:30	0.057
1/19/2010	11:36:30	0.065
1/19/2010	11:37:30	0.073
1/19/2010	11:38:30	0.056
1/19/2010	11:39:30	0.059
1/19/2010	11:40:30	0.058
1/19/2010	11:41:30	0.068
1/19/2010	11:42:30	0.059
1/19/2010	11:43:30	0.057
1/19/2010	11:44:30	0.054
1/19/2010	11:45:30	0.056
1/19/2010	11:46:30	0.056
1/19/2010	11:47:30	0.060
1/19/2010	11:48:30	0.055
1/19/2010	11:49:30	0.056
1/19/2010	11:50:30	0.059
1/19/2010	11:51:30	0.056
1/19/2010	11:52:30	0.057
1/19/2010	11:53:30	0.059
1/19/2010	11:54:30	0.058
1/19/2010	11:55:30	0.059
1/19/2010	11:56:30	0.058

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1/19/2010	11:57:30	0.057
1/19/2010	11:58:30	0.056
1/19/2010	11:59:30	0.056
1/19/2010	12:00:30	0.060
1/19/2010	12:01:30	0.055
1/19/2010	12:02:30	0.054
1/19/2010	12:03:30	0.054
1/19/2010	12:04:30	0.053
1/19/2010	12:05:30	0.054
1/19/2010	12:06:30	0.050
1/19/2010	12:07:30	0.051
1/19/2010	12:08:30	0.053
1/19/2010	12:09:30	0.053
1/19/2010	12:10:30	0.052
1/19/2010	12:11:30	0.050
1/19/2010	12:12:30	0.052
1/19/2010	12:13:30	0.054
1/19/2010	12:14:30	0.054
1/19/2010	12:15:30	0.052
1/19/2010	12:16:30	0.047
1/19/2010	12:17:30	0.047
1/19/2010	12:18:30	0.048
1/19/2010	12:19:30	0.045
1/19/2010	12:20:30	0.045
1/19/2010	12:21:30	0.045
1/19/2010	12:22:30	0.046
1/19/2010	12:23:30	0.049
1/19/2010	12:24:30	0.048
1/19/2010	12:25:30	0.048
1/19/2010	12:26:30	0.048
1/19/2010	12:27:30	0.050
1/19/2010	12:28:30	0.050
1/19/2010	12:29:30	0.051
1/19/2010	12:30:30	0.050
1/19/2010	12:31:30	0.050
1/19/2010	12:32:30	0.052
1/19/2010	12:33:30	0.051
1/19/2010	12:34:30	0.051
1/19/2010	12:35:30	0.051
1/19/2010	12:36:30	0.050
1/19/2010	12:37:30	0.051
1/19/2010	12:38:30	0.053
1/19/2010	12:39:30	0.057
1/19/2010	12:40:30	0.053

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1/19/2010	12:41:30	0.054
1/19/2010	12:42:30	0.055
1/19/2010	12:43:30	0.055
1/19/2010	12:44:30	0.071
1/19/2010	12:45:30	0.057
1/19/2010	12:46:30	0.055
1/19/2010	12:47:30	0.056
1/19/2010	12:48:30	0.054
1/19/2010	12:49:30	0.055
1/19/2010	12:50:30	0.053
1/19/2010	12:51:30	0.054
1/19/2010	12:52:30	0.056
1/19/2010	12:53:30	0.056
1/19/2010	12:54:30	0.056
1/19/2010	12:55:30	0.065
1/19/2010	12:56:30	0.055
1/19/2010	12:57:30	0.053
1/19/2010	12:58:30	0.052

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TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	22259
Test ID:	1
Test Abbreviation:	Upwind
Start Date:	1/19/2010
Start Time:	8:46:10
Duration (dd:hh:mm:ss):	0:04:03:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	243
Notes:	

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.035
Minimum:	0.02
Time of Minimum:	10:43:10
Date of Minimum:	1/19/2010
Maximum:	0.083
Time of Maximum:	8:52:10
Date of Maximum:	1/19/2010

Calibration

Sensor:	Aerosol
Cal. date	4/8/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/19/2010	8:47:10	0.039
1/19/2010	8:48:10	0.038
1/19/2010	8:49:10	0.038
1/19/2010	8:50:10	0.039
1/19/2010	8:51:10	0.039
1/19/2010	8:52:10	0.083
1/19/2010	8:53:10	0.041
1/19/2010	8:54:10	0.041
1/19/2010	8:55:10	0.039
1/19/2010	8:56:10	0.042
1/19/2010	8:57:10	0.045
1/19/2010	8:58:10	0.045
1/19/2010	8:59:10	0.046

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1/19/2010	9:00:10	0.049
1/19/2010	9:01:10	0.048
1/19/2010	9:02:10	0.053
1/19/2010	9:03:10	0.052
1/19/2010	9:04:10	0.052
1/19/2010	9:05:10	0.055
1/19/2010	9:06:10	0.056
1/19/2010	9:07:10	0.056
1/19/2010	9:08:10	0.055
1/19/2010	9:09:10	0.055
1/19/2010	9:10:10	0.055
1/19/2010	9:11:10	0.055
1/19/2010	9:12:10	0.053
1/19/2010	9:13:10	0.050
1/19/2010	9:14:10	0.050
1/19/2010	9:15:10	0.048
1/19/2010	9:16:10	0.051
1/19/2010	9:17:10	0.047
1/19/2010	9:18:10	0.048
1/19/2010	9:19:10	0.047
1/19/2010	9:20:10	0.047
1/19/2010	9:21:10	0.041
1/19/2010	9:22:10	0.041
1/19/2010	9:23:10	0.039
1/19/2010	9:24:10	0.040
1/19/2010	9:25:10	0.040
1/19/2010	9:26:10	0.040
1/19/2010	9:27:10	0.042
1/19/2010	9:28:10	0.035
1/19/2010	9:29:10	0.035
1/19/2010	9:30:10	0.033
1/19/2010	9:31:10	0.034
1/19/2010	9:32:10	0.033
1/19/2010	9:33:10	0.033
1/19/2010	9:34:10	0.031
1/19/2010	9:35:10	0.029
1/19/2010	9:36:10	0.031
1/19/2010	9:37:10	0.032
1/19/2010	9:38:10	0.033
1/19/2010	9:39:10	0.031
1/19/2010	9:40:10	0.032
1/19/2010	9:41:10	0.033
1/19/2010	9:42:10	0.031
1/19/2010	9:43:10	0.033

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1/19/2010	9:44:10	0.035
1/19/2010	9:45:10	0.036
1/19/2010	9:46:10	0.036
1/19/2010	9:47:10	0.034
1/19/2010	9:48:10	0.035
1/19/2010	9:49:10	0.030
1/19/2010	9:50:10	0.030
1/19/2010	9:51:10	0.032
1/19/2010	9:52:10	0.032
1/19/2010	9:53:10	0.031
1/19/2010	9:54:10	0.030
1/19/2010	9:55:10	0.030
1/19/2010	9:56:10	0.028
1/19/2010	9:57:10	0.029
1/19/2010	9:58:10	0.031
1/19/2010	9:59:10	0.031
1/19/2010	10:00:10	0.028
1/19/2010	10:01:10	0.028
1/19/2010	10:02:10	0.028
1/19/2010	10:03:10	0.027
1/19/2010	10:04:10	0.027
1/19/2010	10:05:10	0.025
1/19/2010	10:06:10	0.025
1/19/2010	10:07:10	0.025
1/19/2010	10:08:10	0.023
1/19/2010	10:09:10	0.024
1/19/2010	10:10:10	0.025
1/19/2010	10:11:10	0.025
1/19/2010	10:12:10	0.024
1/19/2010	10:13:10	0.024
1/19/2010	10:14:10	0.023
1/19/2010	10:15:10	0.025
1/19/2010	10:16:10	0.025
1/19/2010	10:17:10	0.023
1/19/2010	10:18:10	0.023
1/19/2010	10:19:10	0.024
1/19/2010	10:20:10	0.024
1/19/2010	10:21:10	0.022
1/19/2010	10:22:10	0.022
1/19/2010	10:23:10	0.023
1/19/2010	10:24:10	0.022
1/19/2010	10:25:10	0.023
1/19/2010	10:26:10	0.023
1/19/2010	10:27:10	0.025

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1/19/2010	10:28:10	0.025
1/19/2010	10:29:10	0.024
1/19/2010	10:30:10	0.025
1/19/2010	10:31:10	0.026
1/19/2010	10:32:10	0.025
1/19/2010	10:33:10	0.024
1/19/2010	10:34:10	0.026
1/19/2010	10:35:10	0.026
1/19/2010	10:36:10	0.024
1/19/2010	10:37:10	0.025
1/19/2010	10:38:10	0.025
1/19/2010	10:39:10	0.024
1/19/2010	10:40:10	0.023
1/19/2010	10:41:10	0.023
1/19/2010	10:42:10	0.022
1/19/2010	10:43:10	0.020
1/19/2010	10:44:10	0.022
1/19/2010	10:45:10	0.030
1/19/2010	10:46:10	0.023
1/19/2010	10:47:10	0.023
1/19/2010	10:48:10	0.024
1/19/2010	10:49:10	0.025
1/19/2010	10:50:10	0.026
1/19/2010	10:51:10	0.025
1/19/2010	10:52:10	0.022
1/19/2010	10:53:10	0.024
1/19/2010	10:54:10	0.025
1/19/2010	10:55:10	0.025
1/19/2010	10:56:10	0.026
1/19/2010	10:57:10	0.028
1/19/2010	10:58:10	0.027
1/19/2010	10:59:10	0.024
1/19/2010	11:00:10	0.027
1/19/2010	11:01:10	0.028
1/19/2010	11:02:10	0.030
1/19/2010	11:03:10	0.029
1/19/2010	11:04:10	0.031
1/19/2010	11:05:10	0.028
1/19/2010	11:06:10	0.029
1/19/2010	11:07:10	0.029
1/19/2010	11:08:10	0.028
1/19/2010	11:09:10	0.029
1/19/2010	11:10:10	0.028
1/19/2010	11:11:10	0.030

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1/19/2010	11:12:10	0.029
1/19/2010	11:13:10	0.029
1/19/2010	11:14:10	0.031
1/19/2010	11:15:10	0.031
1/19/2010	11:16:10	0.031
1/19/2010	11:17:10	0.031
1/19/2010	11:18:10	0.033
1/19/2010	11:19:10	0.034
1/19/2010	11:20:10	0.034
1/19/2010	11:21:10	0.034
1/19/2010	11:22:10	0.035
1/19/2010	11:23:10	0.036
1/19/2010	11:24:10	0.038
1/19/2010	11:25:10	0.038
1/19/2010	11:26:10	0.038
1/19/2010	11:27:10	0.043
1/19/2010	11:28:10	0.042
1/19/2010	11:29:10	0.044
1/19/2010	11:30:10	0.043
1/19/2010	11:31:10	0.044
1/19/2010	11:32:10	0.043
1/19/2010	11:33:10	0.046
1/19/2010	11:34:10	0.047
1/19/2010	11:35:10	0.048
1/19/2010	11:36:10	0.047
1/19/2010	11:37:10	0.045
1/19/2010	11:38:10	0.046
1/19/2010	11:39:10	0.045
1/19/2010	11:40:10	0.046
1/19/2010	11:41:10	0.045
1/19/2010	11:42:10	0.046
1/19/2010	11:43:10	0.044
1/19/2010	11:44:10	0.048
1/19/2010	11:45:10	0.046
1/19/2010	11:46:10	0.046
1/19/2010	11:47:10	0.046
1/19/2010	11:48:10	0.045
1/19/2010	11:49:10	0.045
1/19/2010	11:50:10	0.045
1/19/2010	11:51:10	0.042
1/19/2010	11:52:10	0.041
1/19/2010	11:53:10	0.040
1/19/2010	11:54:10	0.039
1/19/2010	11:55:10	0.039

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1/19/2010	11:56:10	0.039
1/19/2010	11:57:10	0.040
1/19/2010	11:58:10	0.039
1/19/2010	11:59:10	0.037
1/19/2010	12:00:10	0.038
1/19/2010	12:01:10	0.039
1/19/2010	12:02:10	0.039
1/19/2010	12:03:10	0.039
1/19/2010	12:04:10	0.039
1/19/2010	12:05:10	0.038
1/19/2010	12:06:10	0.039
1/19/2010	12:07:10	0.038
1/19/2010	12:08:10	0.038
1/19/2010	12:09:10	0.037
1/19/2010	12:10:10	0.037
1/19/2010	12:11:10	0.035
1/19/2010	12:12:10	0.035
1/19/2010	12:13:10	0.033
1/19/2010	12:14:10	0.033
1/19/2010	12:15:10	0.034
1/19/2010	12:16:10	0.034
1/19/2010	12:17:10	0.032
1/19/2010	12:18:10	0.031
1/19/2010	12:19:10	0.031
1/19/2010	12:20:10	0.032
1/19/2010	12:21:10	0.033
1/19/2010	12:22:10	0.034
1/19/2010	12:23:10	0.035
1/19/2010	12:24:10	0.037
1/19/2010	12:25:10	0.036
1/19/2010	12:26:10	0.035
1/19/2010	12:27:10	0.036
1/19/2010	12:28:10	0.035
1/19/2010	12:29:10	0.035
1/19/2010	12:30:10	0.037
1/19/2010	12:31:10	0.037
1/19/2010	12:32:10	0.036
1/19/2010	12:33:10	0.037
1/19/2010	12:34:10	0.036
1/19/2010	12:35:10	0.035
1/19/2010	12:36:10	0.035
1/19/2010	12:37:10	0.037
1/19/2010	12:38:10	0.036
1/19/2010	12:39:10	0.035

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1/19/2010	12:40:10	0.037
1/19/2010	12:41:10	0.037
1/19/2010	12:42:10	0.037
1/19/2010	12:43:10	0.036
1/19/2010	12:44:10	0.037
1/19/2010	12:45:10	0.036
1/19/2010	12:46:10	0.035
1/19/2010	12:47:10	0.035
1/19/2010	12:48:10	0.034
1/19/2010	12:49:10	0.035

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New Bedford, Massachusetts
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TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85200169
Test ID:	1
Test Abbreviation:	UW
Start Date:	6/30/2010
Start Time:	8:41:15
Duration (dd:hh:mm:ss):	0:02:40:00
Time constant (seconds):	15
Log Interval (mm:ss):	1:00
Number of points:	160
Notes:	Upwind (NW) of stockpiles.

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	-0.002
Minimum:	-0.005
Time of Minimum:	11:09:15
Date of Minimum:	6/30/2010
Maximum:	0.006
Time of Maximum:	8:53:15
Date of Maximum:	6/30/2010

Calibration

Sensor:	Aerosol
Cal. date	3/6/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
6/30/2010	8:42:15	0.003
6/30/2010	8:43:15	0.003
6/30/2010	8:44:15	0.002
6/30/2010	8:45:15	0.002
6/30/2010	8:46:15	0.001
6/30/2010	8:47:15	0.001
6/30/2010	8:48:15	0.001
6/30/2010	8:49:15	0.001
6/30/2010	8:50:15	0.001
6/30/2010	8:51:15	0.001
6/30/2010	8:52:15	0.001
6/30/2010	8:53:15	0.006
6/30/2010	8:54:15	0.000

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6/30/2010	8:55:15	0.000
6/30/2010	8:56:15	0.000
6/30/2010	8:57:15	0.000
6/30/2010	8:58:15	0.001
6/30/2010	8:59:15	0.000
6/30/2010	9:00:15	0.000
6/30/2010	9:01:15	0.000
6/30/2010	9:02:15	0.000
6/30/2010	9:03:15	0.000
6/30/2010	9:04:15	0.000
6/30/2010	9:05:15	0.000
6/30/2010	9:06:15	0.000
6/30/2010	9:07:15	0.000
6/30/2010	9:08:15	0.000
6/30/2010	9:09:15	0.000
6/30/2010	9:10:15	0.000
6/30/2010	9:11:15	0.000
6/30/2010	9:12:15	0.000
6/30/2010	9:13:15	0.000
6/30/2010	9:14:15	0.000
6/30/2010	9:15:15	0.000
6/30/2010	9:16:15	0.000
6/30/2010	9:17:15	0.000
6/30/2010	9:18:15	0.000
6/30/2010	9:19:15	0.000
6/30/2010	9:20:15	0.000
6/30/2010	9:21:15	0.000
6/30/2010	9:22:15	0.000
6/30/2010	9:23:15	0.000
6/30/2010	9:24:15	0.000
6/30/2010	9:25:15	0.000
6/30/2010	9:26:15	0.000
6/30/2010	9:27:15	0.000
6/30/2010	9:28:15	0.000
6/30/2010	9:29:15	0.000
6/30/2010	9:30:15	0.000
6/30/2010	9:31:15	0.000
6/30/2010	9:32:15	0.002
6/30/2010	9:33:15	0.000
6/30/2010	9:34:15	0.000
6/30/2010	9:35:15	0.000
6/30/2010	9:36:15	0.000
6/30/2010	9:37:15	0.000
6/30/2010	9:38:15	0.000

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6/30/2010	9:39:15	0.000
6/30/2010	9:40:15	0.000
6/30/2010	9:41:15	0.000
6/30/2010	9:42:15	0.000
6/30/2010	9:43:15	0.000
6/30/2010	9:44:15	0.000
6/30/2010	9:45:15	0.000
6/30/2010	9:46:15	0.000
6/30/2010	9:47:15	0.000
6/30/2010	9:48:15	0.000
6/30/2010	9:49:15	-0.001
6/30/2010	9:50:15	-0.001
6/30/2010	9:51:15	-0.001
6/30/2010	9:52:15	-0.001
6/30/2010	9:53:15	-0.002
6/30/2010	9:54:15	-0.001
6/30/2010	9:55:15	-0.001
6/30/2010	9:56:15	-0.002
6/30/2010	9:57:15	-0.002
6/30/2010	9:58:15	0.000
6/30/2010	9:59:15	-0.002
6/30/2010	10:00:15	-0.002
6/30/2010	10:01:15	-0.002
6/30/2010	10:02:15	-0.002
6/30/2010	10:03:15	0.000
6/30/2010	10:04:15	-0.002
6/30/2010	10:05:15	-0.002
6/30/2010	10:06:15	-0.002
6/30/2010	10:07:15	-0.002
6/30/2010	10:08:15	-0.003
6/30/2010	10:09:15	-0.003
6/30/2010	10:10:15	-0.003
6/30/2010	10:11:15	-0.003
6/30/2010	10:12:15	-0.003
6/30/2010	10:13:15	-0.003
6/30/2010	10:14:15	-0.003
6/30/2010	10:15:15	-0.001
6/30/2010	10:16:15	-0.003
6/30/2010	10:17:15	-0.003
6/30/2010	10:18:15	-0.003
6/30/2010	10:19:15	-0.002
6/30/2010	10:20:15	-0.002
6/30/2010	10:21:15	-0.002
6/30/2010	10:22:15	-0.003

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
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6/30/2010	10:23:15	-0.001
6/30/2010	10:24:15	-0.001
6/30/2010	10:25:15	-0.002
6/30/2010	10:26:15	-0.002
6/30/2010	10:27:15	-0.002
6/30/2010	10:28:15	-0.002
6/30/2010	10:29:15	-0.003
6/30/2010	10:30:15	-0.002
6/30/2010	10:31:15	-0.002
6/30/2010	10:32:15	-0.002
6/30/2010	10:33:15	-0.003
6/30/2010	10:34:15	-0.003
6/30/2010	10:35:15	-0.002
6/30/2010	10:36:15	-0.003
6/30/2010	10:37:15	-0.003
6/30/2010	10:38:15	-0.003
6/30/2010	10:39:15	-0.003
6/30/2010	10:40:15	-0.003
6/30/2010	10:41:15	-0.004
6/30/2010	10:42:15	-0.003
6/30/2010	10:43:15	-0.003
6/30/2010	10:44:15	-0.003
6/30/2010	10:45:15	-0.003
6/30/2010	10:46:15	-0.003
6/30/2010	10:47:15	-0.004
6/30/2010	10:48:15	-0.004
6/30/2010	10:49:15	-0.003
6/30/2010	10:50:15	-0.004
6/30/2010	10:51:15	-0.003
6/30/2010	10:52:15	-0.004
6/30/2010	10:53:15	-0.004
6/30/2010	10:54:15	-0.004
6/30/2010	10:55:15	-0.003
6/30/2010	10:56:15	-0.004
6/30/2010	10:57:15	-0.003
6/30/2010	10:58:15	-0.004
6/30/2010	10:59:15	-0.003
6/30/2010	11:00:15	-0.004
6/30/2010	11:01:15	-0.004
6/30/2010	11:02:15	-0.004
6/30/2010	11:03:15	-0.004
6/30/2010	11:04:15	-0.004
6/30/2010	11:05:15	-0.004
6/30/2010	11:06:15	-0.004

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6/30/2010	11:07:15	-0.004
6/30/2010	11:08:15	-0.004
6/30/2010	11:09:15	-0.005
6/30/2010	11:10:15	-0.004
6/30/2010	11:11:15	-0.004
6/30/2010	11:12:15	-0.005
6/30/2010	11:13:15	-0.004
6/30/2010	11:14:15	-0.004
6/30/2010	11:15:15	-0.005
6/30/2010	11:16:15	-0.005
6/30/2010	11:17:15	-0.005
6/30/2010	11:18:15	-0.005
6/30/2010	11:19:15	-0.005
6/30/2010	11:20:15	-0.005
6/30/2010	11:21:15	-0.005

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TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85203439
Test ID:	1
Test Abbreviation:	NP
Start Date:	6/30/2010
Start Time:	8:34:25
Duration (dd:hh:mm:ss):	0:02:40:00
Time constant (seconds):	10
Log Interval (mm:ss):	1:00
Number of points:	160
Notes:	Between stockpile area and nearest property.

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.002
Minimum:	0
Time of Minimum:	8:37:25
Date of Minimum:	6/30/2010
Maximum:	0.012
Time of Maximum:	9:06:25
Date of Maximum:	6/30/2010

Calibration

Sensor:	Aerosol
Cal. date	9/23/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
6/30/2010	8:35:25	0.001
6/30/2010	8:36:25	0.001
6/30/2010	8:37:25	0.000
6/30/2010	8:38:25	0.001
6/30/2010	8:39:25	0.001
6/30/2010	8:40:25	0.001
6/30/2010	8:41:25	0.001
6/30/2010	8:42:25	0.000
6/30/2010	8:43:25	0.001
6/30/2010	8:44:25	0.001
6/30/2010	8:45:25	0.000
6/30/2010	8:46:25	0.002
6/30/2010	8:47:25	0.001

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6/30/2010	8:48:25	0.000
6/30/2010	8:49:25	0.002
6/30/2010	8:50:25	0.001
6/30/2010	8:51:25	0.001
6/30/2010	8:52:25	0.001
6/30/2010	8:53:25	0.001
6/30/2010	8:54:25	0.000
6/30/2010	8:55:25	0.000
6/30/2010	8:56:25	0.001
6/30/2010	8:57:25	0.001
6/30/2010	8:58:25	0.005
6/30/2010	8:59:25	0.000
6/30/2010	9:00:25	0.000
6/30/2010	9:01:25	0.001
6/30/2010	9:02:25	0.000
6/30/2010	9:03:25	0.000
6/30/2010	9:04:25	0.001
6/30/2010	9:05:25	0.008
6/30/2010	9:06:25	0.012
6/30/2010	9:07:25	0.001
6/30/2010	9:08:25	0.001
6/30/2010	9:09:25	0.001
6/30/2010	9:10:25	0.000
6/30/2010	9:11:25	0.001
6/30/2010	9:12:25	0.001
6/30/2010	9:13:25	0.001
6/30/2010	9:14:25	0.001
6/30/2010	9:15:25	0.001
6/30/2010	9:16:25	0.001
6/30/2010	9:17:25	0.001
6/30/2010	9:18:25	0.000
6/30/2010	9:19:25	0.001
6/30/2010	9:20:25	0.002
6/30/2010	9:21:25	0.001
6/30/2010	9:22:25	0.001
6/30/2010	9:23:25	0.001
6/30/2010	9:24:25	0.001
6/30/2010	9:25:25	0.002
6/30/2010	9:26:25	0.001
6/30/2010	9:27:25	0.002
6/30/2010	9:28:25	0.001
6/30/2010	9:29:25	0.002
6/30/2010	9:30:25	0.002
6/30/2010	9:31:25	0.001

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6/30/2010	9:32:25	0.002
6/30/2010	9:33:25	0.002
6/30/2010	9:34:25	0.001
6/30/2010	9:35:25	0.001
6/30/2010	9:36:25	0.002
6/30/2010	9:37:25	0.002
6/30/2010	9:38:25	0.001
6/30/2010	9:39:25	0.001
6/30/2010	9:40:25	0.002
6/30/2010	9:41:25	0.001
6/30/2010	9:42:25	0.002
6/30/2010	9:43:25	0.003
6/30/2010	9:44:25	0.003
6/30/2010	9:45:25	0.002
6/30/2010	9:46:25	0.002
6/30/2010	9:47:25	0.001
6/30/2010	9:48:25	0.001
6/30/2010	9:49:25	0.002
6/30/2010	9:50:25	0.002
6/30/2010	9:51:25	0.001
6/30/2010	9:52:25	0.001
6/30/2010	9:53:25	0.001
6/30/2010	9:54:25	0.001
6/30/2010	9:55:25	0.001
6/30/2010	9:56:25	0.003
6/30/2010	9:57:25	0.004
6/30/2010	9:58:25	0.002
6/30/2010	9:59:25	0.001
6/30/2010	10:00:25	0.003
6/30/2010	10:01:25	0.002
6/30/2010	10:02:25	0.006
6/30/2010	10:03:25	0.004
6/30/2010	10:04:25	0.004
6/30/2010	10:05:25	0.002
6/30/2010	10:06:25	0.002
6/30/2010	10:07:25	0.002
6/30/2010	10:08:25	0.002
6/30/2010	10:09:25	0.005
6/30/2010	10:10:25	0.002
6/30/2010	10:11:25	0.002
6/30/2010	10:12:25	0.002
6/30/2010	10:13:25	0.004
6/30/2010	10:14:25	0.002
6/30/2010	10:15:25	0.002

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6/30/2010	10:16:25	0.002
6/30/2010	10:17:25	0.003
6/30/2010	10:18:25	0.002
6/30/2010	10:19:25	0.003
6/30/2010	10:20:25	0.002
6/30/2010	10:21:25	0.003
6/30/2010	10:22:25	0.003
6/30/2010	10:23:25	0.003
6/30/2010	10:24:25	0.002
6/30/2010	10:25:25	0.003
6/30/2010	10:26:25	0.003
6/30/2010	10:27:25	0.002
6/30/2010	10:28:25	0.003
6/30/2010	10:29:25	0.003
6/30/2010	10:30:25	0.004
6/30/2010	10:31:25	0.003
6/30/2010	10:32:25	0.002
6/30/2010	10:33:25	0.002
6/30/2010	10:34:25	0.003
6/30/2010	10:35:25	0.007
6/30/2010	10:36:25	0.003
6/30/2010	10:37:25	0.002
6/30/2010	10:38:25	0.003
6/30/2010	10:39:25	0.002
6/30/2010	10:40:25	0.003
6/30/2010	10:41:25	0.003
6/30/2010	10:42:25	0.002
6/30/2010	10:43:25	0.003
6/30/2010	10:44:25	0.003
6/30/2010	10:45:25	0.005
6/30/2010	10:46:25	0.003
6/30/2010	10:47:25	0.003
6/30/2010	10:48:25	0.003
6/30/2010	10:49:25	0.003
6/30/2010	10:50:25	0.003
6/30/2010	10:51:25	0.003
6/30/2010	10:52:25	0.003
6/30/2010	10:53:25	0.003
6/30/2010	10:54:25	0.006
6/30/2010	10:55:25	0.004
6/30/2010	10:56:25	0.003
6/30/2010	10:57:25	0.003
6/30/2010	10:58:25	0.003
6/30/2010	10:59:25	0.003

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6/30/2010	11:00:25	0.003
6/30/2010	11:01:25	0.003
6/30/2010	11:02:25	0.003
6/30/2010	11:03:25	0.004
6/30/2010	11:04:25	0.004
6/30/2010	11:05:25	0.003
6/30/2010	11:06:25	0.003
6/30/2010	11:07:25	0.003
6/30/2010	11:08:25	0.003
6/30/2010	11:09:25	0.003
6/30/2010	11:10:25	0.003
6/30/2010	11:11:25	0.003
6/30/2010	11:12:25	0.003
6/30/2010	11:13:25	0.003
6/30/2010	11:14:25	0.003

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June 30, 2010

TrakPro Version 4.22 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	21589
Test ID:	1
Test Abbreviation:	DW
Start Date:	6/30/2010
Start Time:	8:37:20
Duration (dd:hh:mm:ss):	0:02:41:00
Time constant (seconds):	15
Log Interval (mm:ss):	1:00
Number of points:	161
Notes:	Downwind (SE) of stockpile area.

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.01
Minimum:	0.006
Time of Minimum:	11:12:20
Date of Minimum:	6/30/2010
Maximum:	0.094
Time of Maximum:	8:41:20
Date of Maximum:	6/30/2010

Calibration

Sensor:	Aerosol
Cal. date	1/22/2009

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
6/30/2010	8:38:20	0.011
6/30/2010	8:39:20	0.008
6/30/2010	8:40:20	0.010
6/30/2010	8:41:20	0.094
6/30/2010	8:42:20	0.016
6/30/2010	8:43:20	0.011
6/30/2010	8:44:20	0.011
6/30/2010	8:45:20	0.009
6/30/2010	8:46:20	0.013
6/30/2010	8:47:20	0.010
6/30/2010	8:48:20	0.011
6/30/2010	8:49:20	0.010
6/30/2010	8:50:20	0.008

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6/30/2010	8:51:20	0.007
6/30/2010	8:52:20	0.009
6/30/2010	8:53:20	0.012
6/30/2010	8:54:20	0.010
6/30/2010	8:55:20	0.011
6/30/2010	8:56:20	0.012
6/30/2010	8:57:20	0.009
6/30/2010	8:58:20	0.009
6/30/2010	8:59:20	0.012
6/30/2010	9:00:20	0.009
6/30/2010	9:01:20	0.009
6/30/2010	9:02:20	0.012
6/30/2010	9:03:20	0.026
6/30/2010	9:04:20	0.009
6/30/2010	9:05:20	0.007
6/30/2010	9:06:20	0.010
6/30/2010	9:07:20	0.008
6/30/2010	9:08:20	0.009
6/30/2010	9:09:20	0.012
6/30/2010	9:10:20	0.011
6/30/2010	9:11:20	0.011
6/30/2010	9:12:20	0.013
6/30/2010	9:13:20	0.010
6/30/2010	9:14:20	0.008
6/30/2010	9:15:20	0.011
6/30/2010	9:16:20	0.010
6/30/2010	9:17:20	0.013
6/30/2010	9:18:20	0.009
6/30/2010	9:19:20	0.010
6/30/2010	9:20:20	0.010
6/30/2010	9:21:20	0.009
6/30/2010	9:22:20	0.015
6/30/2010	9:23:20	0.016
6/30/2010	9:24:20	0.009
6/30/2010	9:25:20	0.010
6/30/2010	9:26:20	0.009
6/30/2010	9:27:20	0.008
6/30/2010	9:28:20	0.008
6/30/2010	9:29:20	0.009
6/30/2010	9:30:20	0.010
6/30/2010	9:31:20	0.011
6/30/2010	9:32:20	0.008
6/30/2010	9:33:20	0.009
6/30/2010	9:34:20	0.008

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6/30/2010	9:35:20	0.008
6/30/2010	9:36:20	0.009
6/30/2010	9:37:20	0.008
6/30/2010	9:38:20	0.009
6/30/2010	9:39:20	0.008
6/30/2010	9:40:20	0.009
6/30/2010	9:41:20	0.008
6/30/2010	9:42:20	0.009
6/30/2010	9:43:20	0.009
6/30/2010	9:44:20	0.009
6/30/2010	9:45:20	0.009
6/30/2010	9:46:20	0.009
6/30/2010	9:47:20	0.008
6/30/2010	9:48:20	0.011
6/30/2010	9:49:20	0.007
6/30/2010	9:50:20	0.008
6/30/2010	9:51:20	0.007
6/30/2010	9:52:20	0.008
6/30/2010	9:53:20	0.008
6/30/2010	9:54:20	0.009
6/30/2010	9:55:20	0.008
6/30/2010	9:56:20	0.008
6/30/2010	9:57:20	0.008
6/30/2010	9:58:20	0.015
6/30/2010	9:59:20	0.012
6/30/2010	10:00:20	0.008
6/30/2010	10:01:20	0.008
6/30/2010	10:02:20	0.009
6/30/2010	10:03:20	0.008
6/30/2010	10:04:20	0.009
6/30/2010	10:05:20	0.030
6/30/2010	10:06:20	0.014
6/30/2010	10:07:20	0.008
6/30/2010	10:08:20	0.008
6/30/2010	10:09:20	0.008
6/30/2010	10:10:20	0.009
6/30/2010	10:11:20	0.015
6/30/2010	10:12:20	0.011
6/30/2010	10:13:20	0.007
6/30/2010	10:14:20	0.008
6/30/2010	10:15:20	0.012
6/30/2010	10:16:20	0.009
6/30/2010	10:17:20	0.011
6/30/2010	10:18:20	0.008

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6/30/2010	10:19:20	0.007
6/30/2010	10:20:20	0.008
6/30/2010	10:21:20	0.008
6/30/2010	10:22:20	0.014
6/30/2010	10:23:20	0.010
6/30/2010	10:24:20	0.008
6/30/2010	10:25:20	0.008
6/30/2010	10:26:20	0.008
6/30/2010	10:27:20	0.009
6/30/2010	10:28:20	0.010
6/30/2010	10:29:20	0.008
6/30/2010	10:30:20	0.010
6/30/2010	10:31:20	0.010
6/30/2010	10:32:20	0.009
6/30/2010	10:33:20	0.008
6/30/2010	10:34:20	0.016
6/30/2010	10:35:20	0.011
6/30/2010	10:36:20	0.009
6/30/2010	10:37:20	0.009
6/30/2010	10:38:20	0.009
6/30/2010	10:39:20	0.007
6/30/2010	10:40:20	0.007
6/30/2010	10:41:20	0.007
6/30/2010	10:42:20	0.009
6/30/2010	10:43:20	0.007
6/30/2010	10:44:20	0.008
6/30/2010	10:45:20	0.008
6/30/2010	10:46:20	0.007
6/30/2010	10:47:20	0.009
6/30/2010	10:48:20	0.007
6/30/2010	10:49:20	0.007
6/30/2010	10:50:20	0.008
6/30/2010	10:51:20	0.007
6/30/2010	10:52:20	0.008
6/30/2010	10:53:20	0.008
6/30/2010	10:54:20	0.007
6/30/2010	10:55:20	0.007
6/30/2010	10:56:20	0.008
6/30/2010	10:57:20	0.007
6/30/2010	10:58:20	0.007
6/30/2010	10:59:20	0.008
6/30/2010	11:00:20	0.008
6/30/2010	11:01:20	0.008
6/30/2010	11:02:20	0.007

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6/30/2010	11:03:20	0.007
6/30/2010	11:04:20	0.008
6/30/2010	11:05:20	0.009
6/30/2010	11:06:20	0.010
6/30/2010	11:07:20	0.007
6/30/2010	11:08:20	0.007
6/30/2010	11:09:20	0.007
6/30/2010	11:10:20	0.008
6/30/2010	11:11:20	0.009
6/30/2010	11:12:20	0.006
6/30/2010	11:13:20	0.009
6/30/2010	11:14:20	0.008
6/30/2010	11:15:20	0.008
6/30/2010	11:16:20	0.007
6/30/2010	11:17:20	0.007
6/30/2010	11:18:20	0.006

Dust Monitoring Data
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New Bedford, Massachusetts
August 4, 2010

TrakPro Version 4.41 ASCII Data File

Model:	Dust Trak
Model Number:	8520
Serial Number:	85200858
Test ID:	1
Test Abbreviation:	DW
Start Date:	8/4/2010
Start Time:	10:53:09
Duration (dd:hh:mm:ss):	0:00:30:00
Time constant (seconds):	1
Log Interval (mm:ss):	15:00
Number of points:	2
Notes:	Downwind (E) of stockpile area.

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	0.075
Minimum:	0.066
Time of Minimum:	11:08:09
Date of Minimum:	8/4/2010
Maximum:	0.084
Time of Maximum:	11:23:09
Date of Maximum:	8/4/2010

Calibration

Sensor:	Aerosol
Cal. date	7/15/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
8/4/2010	11:08:09	0.066
8/4/2010	11:23:09	0.084

Model:	Dust Trak
Model Number:	8520
Serial Number:	85200858

Test ID:	2
Test Abbreviation:	DW
Start Date:	8/4/2010
Start Time:	11:34:32
Duration (dd:hh:mm:ss):	0:00:01:00
Time constant (seconds):	1

Number of points: 1
Notes: Downwind (E) of stockpile area.

Statistics
Channel: Aerosol
Units: mg/m^3
Average: 0.04
Minimum: 0.04
Time of Minimum: 11:35:32
Date of Minimum: 8/4/2010
Maximum: 0.04
Time of Maximum: 11:35:32
Date of Maximum: 8/4/2010

Calibration
Sensor: Aerosol
Cal. date 7/15/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
8/4/2010	11:35:32	0.040

Model: Dust Trak
Model Number: 8520
Serial Number: 85200858
Test ID: 3
Test Abbreviation: DW
Start Date: 8/4/2010
Start Time: 11:36:52
Duration (dd:hh:mm:ss): 0:00:46:00
Time constant (seconds): 1
Log Interval (mm:ss): 1:00
Number of points: 46
Notes: Downwind (E) of stockpile area.

Statistics
Channel: Aerosol
Units: mg/m^3
Average: 0.129
Minimum: 0.003
Time of Minimum: 12:21:52
Date of Minimum: 8/4/2010
Maximum: 0.853
Time of Maximum: 12:04:52

Dust Monitoring Data
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Date of Maximum: 8/4/2010

Calibration
Sensor: Aerosol
Cal. date 7/15/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
8/4/2010	11:37:52	0.022
8/4/2010	11:38:52	0.068
8/4/2010	11:39:52	0.030
8/4/2010	11:40:52	0.014
8/4/2010	11:41:52	0.015
8/4/2010	11:42:52	0.012
8/4/2010	11:43:52	0.013
8/4/2010	11:44:52	0.010
8/4/2010	11:45:52	0.008
8/4/2010	11:46:52	0.010
8/4/2010	11:47:52	0.007
8/4/2010	11:48:52	0.007
8/4/2010	11:49:52	0.007
8/4/2010	11:50:52	0.006
8/4/2010	11:51:52	0.023
8/4/2010	11:52:52	0.017
8/4/2010	11:53:52	0.009
8/4/2010	11:54:52	0.006
8/4/2010	11:55:52	0.008
8/4/2010	11:56:52	0.007
8/4/2010	11:57:52	0.058
8/4/2010	11:58:52	0.006
8/4/2010	11:59:52	0.012
8/4/2010	12:00:52	0.013
8/4/2010	12:01:52	0.057
8/4/2010	12:02:52	0.102
8/4/2010	12:03:52	0.790
8/4/2010	12:04:52	0.149
8/4/2010	12:05:52	0.211
8/4/2010	12:06:52	0.224
8/4/2010	12:07:52	0.384
8/4/2010	12:08:52	0.042
8/4/2010	12:09:52	0.354
8/4/2010	12:10:52	2.710
8/4/2010	12:11:52	0.091
8/4/2010	12:12:52	0.162

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
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8/4/2010	12:13:52	0.072
8/4/2010	12:14:52	0.032
8/4/2010	12:15:52	0.042
8/4/2010	12:16:52	0.053
8/4/2010	12:17:52	0.025
8/4/2010	12:18:52	0.013
8/4/2010	12:19:52	0.007
8/4/2010	12:20:52	0.005
8/4/2010	12:21:52	0.003
8/4/2010	12:22:52	0.009

Model:	Dust Trak
Model Number:	8520
Serial Number:	85200858
Test ID:	4
Test Abbreviation:	DW
Start Date:	8/4/2010
Start Time:	12:55:38
Duration (dd:hh:mm:ss):	0:00:13:00
Time constant (seconds):	1
Log Interval (mm:ss):	1:00
Number of points:	13
Notes:	Downwind (E) of stockpile area.

Statistics

Channel:	Aerosol
Units:	mg/m^3
Average:	-1.743
Minimum:	-6.075
Time of Minimum:	13:08:38
Date of Minimum:	8/4/2010
Maximum:	0.088
Time of Maximum:	12:58:38
Date of Maximum:	8/4/2010

Calibration

Sensor:	Aerosol
Cal. date	7/15/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
8/4/2010	12:56:38	0.013
8/4/2010	12:57:38	0.084
8/4/2010	12:58:38	0.088

Dust Monitoring Data
City of New Bedford - Former Payne Cutlery
New Bedford, Massachusetts
August 4, 2010

8/4/2010	12:59:38	-0.170
8/4/2010	13:00:38	-0.488
8/4/2010	13:01:38	-0.056
8/4/2010	13:02:38	-0.111
8/4/2010	13:03:38	-1.138
8/4/2010	13:04:38	-2.148
8/4/2010	13:05:38	-3.577
8/4/2010	13:06:38	-4.254
8/4/2010	13:07:38	-4.827
8/4/2010	13:08:38	-6.075

APPENDIX D

ANALYTICAL LABORATORY DATA REPORTS

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

December 11, 2009

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

Project Location: New Bedford, MA
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 09L0267

Enclosed are results of analyses for samples received by the laboratory on December 9, 2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

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

REPORT DATE: 12/11/2009

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 09L0267

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

PROJECT LOCATION: New Bedford, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Sample-1	09L0267-01	Product/Solid		MADEP-EPH-04-1.1	
				MADEP-VPH-04-1.1	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8081A	
				SW-846 8082	
				SW-846 8260B	
				SW-846 8270C	
Sample-2	09L0267-02	Soil		MADEP-EPH-04-1.1	
				MADEP-VPH-04-1.1	
				SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8081A	
				SW-846 8082	
				SW-846 8260B	
				SW-846 8270C	

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

CASE NARRATIVE SUMMARY

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

In method 6010, only RCRA 8 metals were requested and reported.

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

MADEP-VPH-04-1.1

Qualifications:

Sample preservative does not satisfy the method specifications.

Analyte & Samples(s) Qualified:

09L0267-01[Sample-1], 09L0267-02[Sample-2]

Sample recieved unpreserved in an unsealed container for VOC analysis. Reported values will be biased on the low side.

Analyte & Samples(s) Qualified:

09L0267-01[Sample-1], 09L0267-02[Sample-2]

SW-846 8081A

Qualifications:

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

4,4'-DDE, Endrin

B008261-BS1, B008261-BSD1

SW-846 8260B

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Carbon Disulfide

B008247-BS1, B008247-BSD1, B008247-MS1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,1-Dichloroethylene, Chloroethane, Diethyl Ether

B008247-BSD1

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

Analyte & Samples(s) Qualified:

2,2-Dichloropropane, Carbon Tetrachloride, Naphthalene, trans-1,3-Dichloropropene

09L0267-01[Sample-1], 09L0267-02[Sample-2], B008247-BLK1, B008247-BS1, B008247-BSD1, B008247-MS1

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

Analyte & Samples(s) Qualified:

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

09L0267-01[Sample-1], 09L0267-02[Sample-2], B008247-BLK1, B008247-BS1, B008247-BSD1, B008247-MS1

SW-846 8270C

Qualifications:

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

Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

09L0267-01[Sample-1], 09L0267-02[Sample-2], B008252-BLK1, B008252-BS1, B008252-BSD1

MADEP-EPH-04-1.1

SPE cartridge contamination with non-petroleum compounds, if present, is verified by GC/MS in each method blank per extraction batch and excluded from C11-C22 aromatic range fraction in all samples in the batch. No significant modifications were made to the method.

MADEP-VPH-04-1.1

No significant modifications were made to the method. All VPH samples were received preserved properly in methanol with a soil/methanol ratio of 1:1 +/- 25% completely covered by methanol in the proper containers specified on the chain-of-custody form unless specified in this narrative.

SW-846 8260B

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for “difficult analytes” where recovery control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, tert-butyl alcohol, acetone, 1,4-dioxane, vinyl chloride, chloromethane, dichlorodifluoromethane, 2-hexanone, naphthalene, acrylonitrile, 1,2,3-trichloropropane, methylene chloride, n-butylbenzene, and tert-butylbenzene, bromomethane

Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for “difficult analytes” where RPDs of 50% are used and/or unless otherwise listed in this narrative. Difficult analyte: 1,4-dioxane

SW-846 8270C

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for “difficult analytes” listed below and/or otherwise listed in this narrative. Difficult analytes for soil LCS - limits between 10 and 180% depending on the compound(see QC summary report for limits): 3,3’-dichlorobenzidine, aniline, 2,4-dinitrophenol, and 4-chloroaniline.

Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for ”difficult analytes” where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative. Difficult analytes for soil RPDs: 3,3’-dichlorobenzidine, 4-nitrophenol, and aniline.

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

Christopher J. Hall
Project Chemist Supervisor

con-test® ANALYTICAL LABORATORY

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	mg/Kg wet	1	V-16	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Benzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Bromobenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Bromochloromethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Bromodichloromethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Bromoform	ND	0.011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Bromomethane	ND	0.011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
2-Butanone (MEK)	ND	0.043	mg/Kg wet	1	V-16	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
n-Butylbenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
sec-Butylbenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
tert-Butylbenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Carbon Disulfide	ND	0.0064	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Carbon Tetrachloride	ND	0.011	mg/Kg wet	1	V-05	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Chlorobenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Chloroethane	ND	0.021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Chloroform	ND	0.0043	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Chloromethane	ND	0.011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
2-Chlorotoluene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
4-Chlorotoluene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Dibromomethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2-Dichlorobenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,3-Dichlorobenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,4-Dichlorobenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,1-Dichloroethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2-Dichloroethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,1-Dichloroethylene	ND	0.0043	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
cis-1,2-Dichloroethylene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
trans-1,2-Dichloroethylene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2-Dichloropropane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,3-Dichloropropane	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
2,2-Dichloropropane	ND	0.0021	mg/Kg wet	1	V-05	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,1-Dichloropropene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
cis-1,3-Dichloropropene	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
trans-1,3-Dichloropropene	ND	0.0011	mg/Kg wet	1	V-05	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Diethyl Ether	ND	0.021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Diisopropyl Ether (DIPE)	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,4-Dioxane	ND	0.11	mg/Kg wet	1	V-16	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Ethylbenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
2-Hexanone (MBK)	ND	0.021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Isopropylbenzene (Cumene)	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0043	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Methylene Chloride	ND	0.021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Naphthalene	ND	0.0043	mg/Kg wet	1	V-05	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
n-Propylbenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Styrene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Tetrachloroethylene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Tetrahydrofuran	ND	0.011	mg/Kg wet	1	V-16	SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Toluene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2,3-Trichlorobenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2,4-Trichlorobenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,1,1-Trichloroethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,1,2-Trichloroethane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Trichloroethylene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2,3-Trichloropropane	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,2,4-Trimethylbenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
1,3,5-Trimethylbenzene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
Vinyl Chloride	ND	0.011	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
m+p Xylene	ND	0.0043	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF
o-Xylene	ND	0.0021	mg/Kg wet	1		SW-846 8260B	12/10/09	12/10/09 7:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	108	70-130		12/10/09 7:31
Toluene-d8	104	70-130		12/10/09 7:31
4-Bromofluorobenzene	97.9	70-130		12/10/09 7:31

con-test® ANALYTICAL LABORATORY

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Acenaphthylene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Acetophenone	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Aniline	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Anthracene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Benzo(a)anthracene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Benzo(a)pyrene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
4-Bromophenylphenylether	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Butylbenzylphthalate	ND	0.66	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
4-Chloroaniline	ND	0.66	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2-Chloronaphthalene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2-Chlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Chrysene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Dibenzofuran	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Di-n-butylphthalate	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2,4-Dichlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Diethylphthalate	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2,4-Dimethylphenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Dimethylphthalate	ND	0.66	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2,4-Dinitrophenol	ND	0.66	mg/Kg wet	1	V-19	SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Di-n-octylphthalate	ND	0.66	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Fluoranthene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Fluorene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Hexachlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Hexachlorobutadiene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Hexachloroethane	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Isophorone	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2-Methylnaphthalene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL

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Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
3/4-Methylphenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Naphthalene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Nitrobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2-Nitrophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
4-Nitrophenol	ND	0.66	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Pentachlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Phenanthrene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Phenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
Pyrene	ND	0.17	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet	1		SW-846 8270C	12/10/09	12/10/09 19:24	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	77.5	30-130		12/10/09 19:24
Phenol-d6	84.1	30-130		12/10/09 19:24
Nitrobenzene-d5	81.3	30-130		12/10/09 19:24
2-Fluorobiphenyl	78.9	30-130		12/10/09 19:24
2,4,6-Tribromophenol	67.1	30-130		12/10/09 19:24
Terphenyl-d14	71.3	30-130		12/10/09 19:24

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Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
alpha-BHC [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
beta-BHC [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
delta-BHC [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
gamma-BHC (Lindane) [1]	ND	0.0030	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Chlordane [1]	ND	0.020	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
4,4'-DDD [1]	ND	0.0080	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
4,4'-DDE [1]	ND	0.0040	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
4,4'-DDT [1]	ND	0.0080	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Dieldrin [1]	ND	0.0080	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Endosulfan I [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Endosulfan II [1]	ND	0.0080	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Endosulfan sulfate [1]	ND	0.0080	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Endrin [1]	ND	0.0080	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Endrin ketone [1]	ND	0.0080	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Heptachlor [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Heptachlor epoxide [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Hexachlorobenzene [1]	ND	0.0050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB
Methoxychlor [1]	ND	0.050	mg/Kg wet	1		SW-846 8081A	12/10/09	12/11/09 15:18	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		12/11/09 15:18
Decachlorobiphenyl [2]	108	30-150		12/11/09 15:18
Tetrachloro-m-xylene [1]	96.8	30-150		12/11/09 15:18
Tetrachloro-m-xylene [2]	118	30-150		12/11/09 15:18

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Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1221 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1232 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1242 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1248 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1254 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1260 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1262 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB
Aroclor-1268 [1]	ND	0.10	mg/Kg wet	1		SW-846 8082	12/10/09	12/11/09 16:04	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.3	30-150		12/11/09 16:04
Decachlorobiphenyl [2]	94.4	30-150		12/11/09 16:04
Tetrachloro-m-xylene [1]	50.6	30-150		12/11/09 16:04
Tetrachloro-m-xylene [2]	39.8	30-150		12/11/09 16:04

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Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
C19-C36 Aliphatics	ND	10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Unadjusted C11-C22 Aromatics	ND	10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
C11-C22 Aromatics	ND	10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Acenaphthene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Acenaphthylene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Anthracene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Benzo(a)anthracene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Benzo(a)pyrene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Benzo(b)fluoranthene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Benzo(g,h,i)perylene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Benzo(k)fluoranthene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Chrysene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Dibenz(a,h)anthracene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Fluoranthene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Fluorene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Indeno(1,2,3-cd)pyrene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
2-Methylnaphthalene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Naphthalene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Phenanthrene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM
Pyrene	ND	0.10	mg/Kg wet	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 11:55	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	72.9	40-140		12/11/09 11:55
o-Terphenyl (OTP)	86.0	40-140		12/11/09 11:55
2-Bromonaphthalene	100	40-140		12/11/09 11:55
2-Fluorobiphenyl	99.1	40-140		12/11/09 11:55

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Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Sample Flags: PR-01, Z-01

Petroleum Hydrocarbons Analyses - VPH

Soil/Methanol Preservation Ratio: 1.03

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	15	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
C5-C8 Aliphatics	ND	15	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
Unadjusted C9-C12 Aliphatics	ND	10	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
C9-C12 Aliphatics	ND	10	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
C9-C10 Aromatics	ND	10	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
Benzene	ND	0.052	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
Ethylbenzene	ND	0.052	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.052	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
Naphthalene	ND	0.52	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
Toluene	ND	0.052	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
m+p Xylene	ND	0.10	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH
o-Xylene	ND	0.052	mg/Kg wet	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 10:47	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	75.1	70-130		12/10/09 10:47
2,5-Dibromotoluene (PID)	76.9	70-130		12/10/09 10:47

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Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-1
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-01

Sample Matrix: Product/Solid

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.5	mg/Kg	1		SW-846 6010B	12/10/09	12/10/09 17:50	OP
Barium	7.5	5.0	mg/Kg	1		SW-846 6010B	12/10/09	12/10/09 17:50	OP
Cadmium	ND	0.25	mg/Kg	1		SW-846 6010B	12/10/09	12/10/09 17:50	OP
Chromium	1.6	0.50	mg/Kg	1		SW-846 6010B	12/10/09	12/10/09 17:50	OP
Lead	3.8	0.75	mg/Kg	1		SW-846 6010B	12/10/09	12/10/09 17:50	OP
Mercury	ND	0.020	mg/Kg	1		SW-846 7471A	12/10/09	12/10/09 14:47	MPF
Selenium	ND	5.0	mg/Kg	1		SW-846 6010B	12/10/09	12/10/09 17:50	OP
Silver	ND	0.50	mg/Kg	1		SW-846 6010B	12/10/09	12/10/09 17:50	OP

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Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	mg/Kg dry	1	V-16	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Benzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Bromobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Bromochloromethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Bromodichloromethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Bromoform	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Bromomethane	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
2-Butanone (MEK)	ND	0.052	mg/Kg dry	1	V-16	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
n-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
sec-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
tert-Butylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Carbon Disulfide	ND	0.0078	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Carbon Tetrachloride	ND	0.013	mg/Kg dry	1	V-05	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Chlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Chlorodibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Chloroethane	ND	0.026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Chloroform	ND	0.0052	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Chloromethane	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
2-Chlorotoluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
4-Chlorotoluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Dibromomethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,3-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,4-Dichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,1-Dichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2-Dichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,1-Dichloroethylene	ND	0.0052	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
cis-1,2-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
trans-1,2-Dichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2-Dichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,3-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
2,2-Dichloropropane	ND	0.0026	mg/Kg dry	1	V-05	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,1-Dichloropropene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
cis-1,3-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
trans-1,3-Dichloropropene	ND	0.0013	mg/Kg dry	1	V-05	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Diethyl Ether	ND	0.026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Diisopropyl Ether (DIPE)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,4-Dioxane	ND	0.13	mg/Kg dry	1	V-16	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Ethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267
Date Received: 12/9/2009
Field Sample #: Sample-2
Sampled: 12/8/2009 12:00
Sample ID: 09L0267-02
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
2-Hexanone (MBK)	ND	0.026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Isopropylbenzene (Cumene)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0052	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Methylene Chloride	ND	0.026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Naphthalene	ND	0.0052	mg/Kg dry	1	V-05	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
n-Propylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Styrene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,1,1,2-Tetrachloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Tetrachloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Tetrahydrofuran	ND	0.013	mg/Kg dry	1	V-16	SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Toluene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2,3-Trichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2,4-Trichlorobenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,1,1-Trichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,1,2-Trichloroethane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Trichloroethylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2,3-Trichloropropane	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,2,4-Trimethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
1,3,5-Trimethylbenzene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
Vinyl Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
m+p Xylene	ND	0.0052	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF
o-Xylene	ND	0.0026	mg/Kg dry	1		SW-846 8260B	12/10/09	12/10/09 8:03	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	103	70-130		12/10/09 8:03
Toluene-d8	105	70-130		12/10/09 8:03
4-Bromofluorobenzene	98.0	70-130		12/10/09 8:03

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Acenaphthylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Acetophenone	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Aniline	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Anthracene	0.24	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Benzo(a)anthracene	0.40	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Benzo(a)pyrene	0.32	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Benzo(b)fluoranthene	0.39	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Benzo(g,h,i)perylene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Benzo(k)fluoranthene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Bis(2-chloroethoxy)methane	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Bis(2-chloroethyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Bis(2-chloroisopropyl)ether	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
4-Bromophenylphenylether	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Butylbenzylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
4-Chloroaniline	ND	0.71	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2-Chloronaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2-Chlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Chrysene	0.35	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Dibenz(a,h)anthracene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Dibenzofuran	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Di-n-butylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
1,2-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
1,3-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
1,4-Dichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
3,3-Dichlorobenzidine	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2,4-Dichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Diethylphthalate	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2,4-Dimethylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Dimethylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2,4-Dinitrophenol	ND	0.71	mg/Kg dry	1	V-19	SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2,4-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2,6-Dinitrotoluene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Di-n-octylphthalate	ND	0.71	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Fluoranthene	0.83	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Fluorene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Hexachlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Hexachlorobutadiene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Hexachloroethane	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Indeno(1,2,3-cd)pyrene	0.33	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Isophorone	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2-Methylnaphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
3/4-Methylphenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Naphthalene	ND	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Nitrobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2-Nitrophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
4-Nitrophenol	ND	0.71	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Pentachlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Phenanthrene	0.75	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Phenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
Pyrene	0.58	0.18	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
1,2,4-Trichlorobenzene	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2,4,5-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL
2,4,6-Trichlorophenol	ND	0.36	mg/Kg dry	1		SW-846 8270C	12/10/09	12/10/09 19:58	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	85.2	30-130		12/10/09 19:58
Phenol-d6	92.5	30-130		12/10/09 19:58
Nitrobenzene-d5	86.7	30-130		12/10/09 19:58
2-Fluorobiphenyl	72.4	30-130		12/10/09 19:58
2,4,6-Tribromophenol	96.6	30-130		12/10/09 19:58
Terphenyl-d14	65.7	30-130		12/10/09 19:58

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Organochloride Pesticides by GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aldrin [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
alpha-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
beta-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
delta-BHC [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
gamma-BHC (Lindane) [1]	ND	0.0032	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Chlordane [1]	ND	0.021	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
4,4'-DDD [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
4,4'-DDE [1]	ND	0.0043	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
4,4'-DDT [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Dieldrin [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Endosulfan I [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Endosulfan II [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Endosulfan sulfate [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Endrin [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Endrin ketone [1]	ND	0.0085	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Heptachlor [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Heptachlor epoxide [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Hexachlorobenzene [1]	ND	0.0053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB
Methoxychlor [1]	ND	0.053	mg/Kg dry	1		SW-846 8081A	12/10/09	12/11/09 15:32	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		12/11/09 15:32
Decachlorobiphenyl [2]	112	30-150		12/11/09 15:32
Tetrachloro-m-xylene [1]	93.9	30-150		12/11/09 15:32
Tetrachloro-m-xylene [2]	121	30-150		12/11/09 15:32

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	12/10/09	12/11/09 16:19	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.0	30-150		12/11/09 16:19
Decachlorobiphenyl [2]	99.6	30-150		12/11/09 16:19
Tetrachloro-m-xylene [1]	43.6	30-150		12/11/09 16:19
Tetrachloro-m-xylene [2]	44.0	30-150		12/11/09 16:19

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
C19-C36 Aliphatics	12	11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Unadjusted C11-C22 Aromatics	26	11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
C11-C22 Aromatics	19	11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Acenaphthene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Acenaphthylene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Anthracene	0.21	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Benzo(a)anthracene	0.47	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Benzo(a)pyrene	0.45	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Benzo(b)fluoranthene	0.67	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Benzo(g,h,i)perylene	0.28	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Benzo(k)fluoranthene	0.24	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Chrysene	0.55	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Dibenz(a,h)anthracene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Fluoranthene	1.1	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Fluorene	0.15	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Indeno(1,2,3-cd)pyrene	0.33	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
2-Methylnaphthalene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Naphthalene	ND	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Phenanthrene	0.71	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM
Pyrene	1.1	0.11	mg/Kg dry	1		MADEP-EPH-04-1.1	12/10/09	12/11/09 12:16	CJM

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	75.5	40-140		12/11/09 12:16
o-Terphenyl (OTP)	100	40-140		12/11/09 12:16
2-Bromonaphthalene	105	40-140		12/11/09 12:16
2-Fluorobiphenyl	105	40-140		12/11/09 12:16

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2 | Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Sample Flags: PR-01, Z-01

Soil/Methanol Preservation Ratio: 1.00

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	18	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
C5-C8 Aliphatics	ND	18	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
Unadjusted C9-C12 Aliphatics	ND	12	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
C9-C12 Aliphatics	ND	12	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
C9-C10 Aromatics	ND	12	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
Benzene	ND	0.061	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
Ethylbenzene	ND	0.061	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
Methyl tert-Butyl Ether (MTBE)	ND	0.061	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
Naphthalene	ND	0.61	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
Toluene	ND	0.061	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
m+p Xylene	ND	0.12	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH
o-Xylene	ND	0.061	mg/Kg dry	1		MADEP-VPH-04-1.1	12/10/09	12/10/09 8:33	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	77.2	70-130		12/10/09 8:33
2,5-Dibromotoluene (PID)	77.1	70-130		12/10/09 8:33

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Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.7	mg/Kg dry	1		SW-846 6010B	12/10/09	12/10/09 16:47	OP
Barium	13	5.4	mg/Kg dry	1		SW-846 6010B	12/10/09	12/10/09 16:47	OP
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010B	12/10/09	12/10/09 16:47	OP
Chromium	4.5	0.54	mg/Kg dry	1		SW-846 6010B	12/10/09	12/10/09 16:47	OP
Lead	5.2	0.81	mg/Kg dry	1		SW-846 6010B	12/10/09	12/10/09 16:47	OP
Mercury	ND	0.021	mg/Kg dry	1		SW-846 7471A	12/10/09	12/10/09 14:49	MPF
Selenium	ND	5.4	mg/Kg dry	1		SW-846 6010B	12/10/09	12/10/09 16:47	OP
Silver	ND	0.54	mg/Kg dry	1		SW-846 6010B	12/10/09	12/10/09 16:47	OP

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Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0267

Date Received: 12/9/2009

Field Sample #: Sample-2
Sampled: 12/8/2009 12:00

Sample ID: 09L0267-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.6		% Wt	1		SM 2540G	12/10/09	12/10/09 15:46	FWD

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Sample Extraction Data

Prep Method: SW-846 3546-MADEP-EPH-04-1.1

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008273	20	2	12/10/09
09L0267-02 [Sample-2]	B008273	20	2	12/10/09

Prep Method: MA VPH-MADEP-VPH-04-1.1

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008206	15.5	16	12/10/09
09L0267-02 [Sample-2]	B008206	15	17	12/10/09

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch			Date
09L0267-02 [Sample-2]	B008246			12/10/09

Prep Method: SW-846 3051-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008279	1.0026	50	12/10/09

Prep Method: SW-846 3051-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-02 [Sample-2]	B008251	0.9933	50	12/10/09

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008256	0.1238	25	12/10/09

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-02 [Sample-2]	B008255	0.1255	25	12/10/09

Prep Method: SW-846 3546-SW-846 8081A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008261	10	10	12/10/09
09L0267-02 [Sample-2]	B008261	10	10	12/10/09

Prep Method: SW-846 3546-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008262	10	50	12/10/09
09L0267-02 [Sample-2]	B008262	10	50	12/10/09

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008247	4.7	10	12/10/09
09L0267-02 [Sample-2]	B008247	4.1	10	12/10/09

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09L0267-01 [Sample-1]	B008252	30	1	12/10/09
09L0267-02 [Sample-2]	B008252	30	1	12/10/09

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008247 - SW-846 5035										
Blank (B008247-BLK1)				Prepared & Analyzed: 12/10/09						
Acetone	ND	0.10	mg/Kg wet							V-16
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.010	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							V-16
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.010	mg/Kg wet							V-05
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.010	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							V-05
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							V-05
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							V-16
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							V-05

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B008247 - SW-846 5035												
Blank (B008247-BLK1)				Prepared & Analyzed: 12/10/09								
n-Propylbenzene	ND	0.0020	mg/Kg wet									
Styrene	ND	0.0020	mg/Kg wet									
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet									
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet									
Tetrachloroethylene	ND	0.0020	mg/Kg wet									
Tetrahydrofuran	ND	0.010	mg/Kg wet								V-16	
Toluene	ND	0.0020	mg/Kg wet									
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet									
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet									
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet									
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet									
Trichloroethylene	ND	0.0020	mg/Kg wet									
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet									
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet									
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet									
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet									
Vinyl Chloride	ND	0.010	mg/Kg wet									
m+p Xylene	ND	0.0040	mg/Kg wet									
o-Xylene	ND	0.0020	mg/Kg wet									
Surrogate: 1,2-Dichloroethane-d4	*0.0523*		mg/Kg wet	0.0500		105		70-130				
Surrogate: Toluene-d8	*0.0518*		mg/Kg wet	0.0500		104		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0488*		mg/Kg wet	0.0500		97.6		70-130				
LCS (B008247-BS1)				Prepared & Analyzed: 12/10/09								
Acetone	0.243	0.10	mg/Kg wet	0.200		121		70-160			V-16	†
tert-Amyl Methyl Ether (TAME)	0.0203	0.0010	mg/Kg wet	0.0200		102		70-130				
Benzene	0.0215	0.0020	mg/Kg wet	0.0200		108		70-130				
Bromobenzene	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130				
Bromochloromethane	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130				
Bromodichloromethane	0.0201	0.0020	mg/Kg wet	0.0200		100		70-130				
Bromoform	0.0189	0.010	mg/Kg wet	0.0200		94.5		70-130				
Bromomethane	0.0196	0.010	mg/Kg wet	0.0200		98.1		40-130				†
2-Butanone (MEK)	0.224	0.040	mg/Kg wet	0.200		112		70-160			V-16	†
n-Butylbenzene	0.0224	0.0020	mg/Kg wet	0.0200		112		70-130				
sec-Butylbenzene	0.0225	0.0020	mg/Kg wet	0.0200		113		70-130				
tert-Butylbenzene	0.0211	0.0020	mg/Kg wet	0.0200		105		70-160				†
tert-Butyl Ethyl Ether (TBEE)	0.0201	0.0010	mg/Kg wet	0.0200		101		70-130				
Carbon Disulfide	0.0264	0.0060	mg/Kg wet	0.0200		**132**	*	70-130			L-02	
Carbon Tetrachloride	0.0168	0.010	mg/Kg wet	0.0200		84.0		70-130			V-05	
Chlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130				
Chlorodibromomethane	0.0232	0.0010	mg/Kg wet	0.0200		116		70-130				
Chloroethane	0.0253	0.020	mg/Kg wet	0.0200		127		70-130				
Chloroform	0.0221	0.0040	mg/Kg wet	0.0200		110		70-130				
Chloromethane	0.0225	0.010	mg/Kg wet	0.0200		113		70-130				
2-Chlorotoluene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130				
4-Chlorotoluene	0.0219	0.0020	mg/Kg wet	0.0200		110		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0185	0.010	mg/Kg wet	0.0200		92.3		70-130				
1,2-Dibromoethane (EDB)	0.0209	0.0010	mg/Kg wet	0.0200		104		70-130				
Dibromomethane	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130				
1,2-Dichlorobenzene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130				
1,3-Dichlorobenzene	0.0198	0.0020	mg/Kg wet	0.0200		98.9		70-130				
1,4-Dichlorobenzene	0.0200	0.0020	mg/Kg wet	0.0200		100		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B008247 - SW-846 5035											
LCS (B008247-BS1)				Prepared & Analyzed: 12/10/09							
Dichlorodifluoromethane (Freon 12)	0.0213	0.020	mg/Kg wet	0.0200		107	40-160				†
1,1-Dichloroethane	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130				
1,2-Dichloroethane	0.0213	0.0020	mg/Kg wet	0.0200		106	70-130				
1,1-Dichloroethylene	0.0256	0.0040	mg/Kg wet	0.0200		128	70-130				
cis-1,2-Dichloroethylene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130				
trans-1,2-Dichloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130				
1,2-Dichloropropane	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130				
1,3-Dichloropropane	0.0216	0.0010	mg/Kg wet	0.0200		108	70-130				
2,2-Dichloropropane	0.0158	0.0020	mg/Kg wet	0.0200		78.9	70-130			V-05	
1,1-Dichloropropene	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130				
cis-1,3-Dichloropropene	0.0186	0.0010	mg/Kg wet	0.0200		92.9	70-130				
trans-1,3-Dichloropropene	0.0180	0.0010	mg/Kg wet	0.0200		90.0	70-130			V-05	
Diethyl Ether	0.0257	0.020	mg/Kg wet	0.0200		129	70-130				
Diisopropyl Ether (DIPE)	0.0232	0.0010	mg/Kg wet	0.0200		116	70-130				
1,4-Dioxane	0.243	0.10	mg/Kg wet	0.200		122	40-160			V-16	†
Ethylbenzene	0.0213	0.0020	mg/Kg wet	0.0200		107	70-130				
Hexachlorobutadiene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-160				
2-Hexanone (MBK)	0.229	0.020	mg/Kg wet	0.200		114	70-160				†
Isopropylbenzene (Cumene)	0.0248	0.0020	mg/Kg wet	0.0200		124	70-130				
p-Isopropyltoluene (p-Cymene)	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130				
Methyl tert-Butyl Ether (MTBE)	0.0214	0.0040	mg/Kg wet	0.0200		107	70-130				
Methylene Chloride	0.0215	0.020	mg/Kg wet	0.0200		108	40-160				†
4-Methyl-2-pentanone (MIBK)	0.230	0.020	mg/Kg wet	0.200		115	70-160				†
Naphthalene	0.0206	0.0040	mg/Kg wet	0.0200		103	40-130			V-05	†
n-Propylbenzene	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130				
Styrene	0.0209	0.0020	mg/Kg wet	0.0200		105	70-130				
1,1,1,2-Tetrachloroethane	0.0183	0.0020	mg/Kg wet	0.0200		91.6	70-130				
1,1,2,2-Tetrachloroethane	0.0226	0.0010	mg/Kg wet	0.0200		113	70-130				
Tetrachloroethylene	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130				
Tetrahydrofuran	0.0254	0.010	mg/Kg wet	0.0200		127	70-130			V-16	
Toluene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130				
1,2,3-Trichlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.6	70-130				
1,2,4-Trichlorobenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.7	70-130				
1,1,1-Trichloroethane	0.0194	0.0020	mg/Kg wet	0.0200		96.9	70-130				
1,1,2-Trichloroethane	0.0209	0.0020	mg/Kg wet	0.0200		105	70-130				
Trichloroethylene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130				
Trichlorofluoromethane (Freon 11)	0.0249	0.010	mg/Kg wet	0.0200		124	70-130				
1,2,3-Trichloropropane	0.0184	0.0020	mg/Kg wet	0.0200		91.8	70-130				
1,2,4-Trimethylbenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130				
1,3,5-Trimethylbenzene	0.0217	0.0020	mg/Kg wet	0.0200		109	70-130				
Vinyl Chloride	0.0200	0.010	mg/Kg wet	0.0200		100	40-130				†
m+p Xylene	0.0427	0.0040	mg/Kg wet	0.0400		107	70-130				
o-Xylene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0536*		mg/Kg wet	0.0500		107	70-130				
Surrogate: Toluene-d8	*0.0522*		mg/Kg wet	0.0500		104	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0504*		mg/Kg wet	0.0500		101	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B008247 - SW-846 5035												
LCS Dup (B008247-BSD1)				Prepared & Analyzed: 12/10/09								
Acetone	0.245	0.10	mg/Kg wet	0.200		122		70-160	0.886	25	V-16	†
tert-Amyl Methyl Ether (TAME)	0.0205	0.0010	mg/Kg wet	0.0200		102		70-130	0.785	25		
Benzene	0.0229	0.0020	mg/Kg wet	0.0200		114		70-130	6.22	25		
Bromobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130	0.489	25		
Bromochloromethane	0.0223	0.0020	mg/Kg wet	0.0200		111		70-130	4.78	25		
Bromodichloromethane	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130	1.58	25		
Bromoform	0.0189	0.010	mg/Kg wet	0.0200		94.5		70-130	0.00	25		
Bromomethane	0.0241	0.010	mg/Kg wet	0.0200		121		40-130	20.7	25		†
2-Butanone (MEK)	0.228	0.040	mg/Kg wet	0.200		114		70-160	1.51	25	V-16	†
n-Butylbenzene	0.0232	0.0020	mg/Kg wet	0.0200		116		70-130	3.24	25		
sec-Butylbenzene	0.0234	0.0020	mg/Kg wet	0.0200		117		70-130	4.00	25		
tert-Butylbenzene	0.0219	0.0020	mg/Kg wet	0.0200		109		70-160	3.72	25		†
tert-Butyl Ethyl Ether (TBEE)	0.0209	0.0010	mg/Kg wet	0.0200		104		70-130	3.71	25		
Carbon Disulfide	0.0277	0.0060	mg/Kg wet	0.0200		**139**	*	70-130	4.73	25	L-02	
Carbon Tetrachloride	0.0176	0.010	mg/Kg wet	0.0200		88.0		70-130	4.65	25	V-05	
Chlorobenzene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130	2.33	25		
Chlorodibromomethane	0.0232	0.0010	mg/Kg wet	0.0200		116		70-130	0.00	25		
Chloroethane	0.0276	0.020	mg/Kg wet	0.0200		**138**	*	70-130	8.68	25	L-07	
Chloroform	0.0231	0.0040	mg/Kg wet	0.0200		115		70-130	4.34	25		
Chloromethane	0.0235	0.010	mg/Kg wet	0.0200		118		70-130	4.34	25		
2-Chlorotoluene	0.0221	0.0020	mg/Kg wet	0.0200		110		70-130	2.10	25		
4-Chlorotoluene	0.0219	0.0020	mg/Kg wet	0.0200		109		70-130	0.183	25		
1,2-Dibromo-3-chloropropane (DBCP)	0.0176	0.010	mg/Kg wet	0.0200		88.0		70-130	4.77	25		
1,2-Dibromoethane (EDB)	0.0211	0.0010	mg/Kg wet	0.0200		106		70-130	1.33	25		
Dibromomethane	0.0221	0.0020	mg/Kg wet	0.0200		110		70-130	0.272	25		
1,2-Dichlorobenzene	0.0211	0.0020	mg/Kg wet	0.0200		106		70-130	1.62	25		
1,3-Dichlorobenzene	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130	2.69	25		
1,4-Dichlorobenzene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130	2.08	25		
Dichlorodifluoromethane (Freon 12)	0.0226	0.020	mg/Kg wet	0.0200		113		40-160	5.92	25		†
1,1-Dichloroethane	0.0236	0.0020	mg/Kg wet	0.0200		118		70-130	5.03	25		
1,2-Dichloroethane	0.0219	0.0020	mg/Kg wet	0.0200		109		70-130	2.69	25		
1,1-Dichloroethylene	0.0272	0.0040	mg/Kg wet	0.0200		**136**	*	70-130	5.99	25	L-07	
cis-1,2-Dichloroethylene	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130	3.25	25		
trans-1,2-Dichloroethylene	0.0226	0.0020	mg/Kg wet	0.0200		113		70-130	6.31	25		
1,2-Dichloropropane	0.0221	0.0020	mg/Kg wet	0.0200		111		70-130	3.12	25		
1,3-Dichloropropane	0.0214	0.0010	mg/Kg wet	0.0200		107		70-130	0.651	25		
2,2-Dichloropropane	0.0169	0.0020	mg/Kg wet	0.0200		84.5		70-130	6.85	25	V-05	
1,1-Dichloropropene	0.0232	0.0020	mg/Kg wet	0.0200		116		70-130	4.05	25		
cis-1,3-Dichloropropene	0.0188	0.0010	mg/Kg wet	0.0200		94.2		70-130	1.39	25		
trans-1,3-Dichloropropene	0.0190	0.0010	mg/Kg wet	0.0200		95.0		70-130	5.41	25	V-05	
Diethyl Ether	0.0269	0.020	mg/Kg wet	0.0200		**134**	*	70-130	4.41	25	L-07	
Diisopropyl Ether (DIPE)	0.0240	0.0010	mg/Kg wet	0.0200		120		70-130	3.56	25		
1,4-Dioxane	0.193	0.10	mg/Kg wet	0.200		96.4		40-160	23.2	50	V-16	† ‡
Ethylbenzene	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130	3.23	25		
Hexachlorobutadiene	0.0226	0.0020	mg/Kg wet	0.0200		113		70-160	5.27	25		
2-Hexanone (MBK)	0.220	0.020	mg/Kg wet	0.200		110		70-160	4.10	25		†
Isopropylbenzene (Cumene)	0.0254	0.0020	mg/Kg wet	0.0200		127		70-130	2.23	25		
p-Isopropyltoluene (p-Cymene)	0.0219	0.0020	mg/Kg wet	0.0200		109		70-130	3.82	25		
Methyl tert-Butyl Ether (MTBE)	0.0219	0.0040	mg/Kg wet	0.0200		110		70-130	2.12	25		
Methylene Chloride	0.0222	0.020	mg/Kg wet	0.0200		111		40-160	3.11	25		†
4-Methyl-2-pentanone (MIBK)	0.220	0.020	mg/Kg wet	0.200		110		70-160	4.56	25		†
Naphthalene	0.0206	0.0040	mg/Kg wet	0.0200		103		40-130	0.00	25	V-05	†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B008247 - SW-846 5035											
LCS Dup (B008247-BSD1)				Prepared & Analyzed: 12/10/09							
n-Propylbenzene	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130	0.0878	25		
Styrene	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130	0.571	25		
1,1,1,2-Tetrachloroethane	0.0179	0.0020	mg/Kg wet	0.0200		89.6	70-130	2.21	25		
1,1,2,2-Tetrachloroethane	0.0223	0.0010	mg/Kg wet	0.0200		112	70-130	1.16	25		
Tetrachloroethylene	0.0227	0.0020	mg/Kg wet	0.0200		114	70-130	3.04	25		
Tetrahydrofuran	0.0228	0.010	mg/Kg wet	0.0200		114	70-130	10.7	25	V-16	
Toluene	0.0223	0.0020	mg/Kg wet	0.0200		112	70-130	3.93	25		
1,2,3-Trichlorobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.3	70-130	0.302	25		
1,2,4-Trichlorobenzene	0.0203	0.0020	mg/Kg wet	0.0200		101	70-130	2.70	25		
1,1,1-Trichloroethane	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130	4.83	25		
1,1,2-Trichloroethane	0.0211	0.0020	mg/Kg wet	0.0200		105	70-130	0.666	25		
Trichloroethylene	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130	3.63	25		
Trichlorofluoromethane (Freon 11)	0.0261	0.010	mg/Kg wet	0.0200		130	70-130	4.63	25		
1,2,3-Trichloropropane	0.0179	0.0020	mg/Kg wet	0.0200		89.4	70-130	2.65	25		
1,2,4-Trimethylbenzene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130	2.46	25		
1,3,5-Trimethylbenzene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130	0.367	25		
Vinyl Chloride	0.0214	0.010	mg/Kg wet	0.0200		107	40-130	6.67	25		†
m+p Xylene	0.0440	0.0040	mg/Kg wet	0.0400		110	70-130	2.86	25		
o-Xylene	0.0218	0.0020	mg/Kg wet	0.0200		109	70-130	2.79	25		
Surrogate: 1,2-Dichloroethane-d4	*0.0521*		mg/Kg wet	0.0500		104	70-130				
Surrogate: Toluene-d8	*0.0516*		mg/Kg wet	0.0500		103	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0500*		mg/Kg wet	0.0500		100	70-130				
Matrix Spike (B008247-MS1)		**Source: 09L0267-02**		Prepared & Analyzed: 12/10/09							
Acetone	0.298	0.12	mg/Kg dry	0.232	0.0223	119	70-130			V-16	
tert-Amyl Methyl Ether (TAME)	0.0230	0.0012	mg/Kg dry	0.0232	ND	98.9	70-130				
Benzene	0.0263	0.0023	mg/Kg dry	0.0232	ND	113	70-130				
Bromobenzene	0.0237	0.0023	mg/Kg dry	0.0232	ND	102	70-130				
Bromochloromethane	0.0253	0.0023	mg/Kg dry	0.0232	ND	109	70-130				
Bromodichloromethane	0.0229	0.0023	mg/Kg dry	0.0232	ND	98.7	70-130				
Bromoform	0.0209	0.012	mg/Kg dry	0.0232	ND	89.9	70-130				
Bromomethane	0.0263	0.012	mg/Kg dry	0.0232	ND	113	70-130				
2-Butanone (MEK)	0.275	0.046	mg/Kg dry	0.232	ND	118	70-130			V-16	
n-Butylbenzene	0.0266	0.0023	mg/Kg dry	0.0232	ND	114	70-130				
sec-Butylbenzene	0.0265	0.0023	mg/Kg dry	0.0232	ND	114	70-130				
tert-Butylbenzene	0.0249	0.0023	mg/Kg dry	0.0232	ND	107	70-130				
tert-Butyl Ethyl Ether (TBEE)	0.0240	0.0012	mg/Kg dry	0.0232	ND	103	70-130				
Carbon Disulfide	0.0299	0.0070	mg/Kg dry	0.0232	ND	129	70-130			L-02	
Carbon Tetrachloride	0.0180	0.012	mg/Kg dry	0.0232	ND	77.3	70-130			V-05	
Chlorobenzene	0.0240	0.0023	mg/Kg dry	0.0232	ND	103	70-130				
Chlorodibromomethane	0.0262	0.0012	mg/Kg dry	0.0232	ND	113	70-130				
Chloroethane	0.0291	0.023	mg/Kg dry	0.0232	ND	125	70-130				
Chloroform	0.0267	0.0046	mg/Kg dry	0.0232	ND	115	70-130				
Chloromethane	0.0264	0.012	mg/Kg dry	0.0232	ND	114	70-130				
2-Chlorotoluene	0.0253	0.0023	mg/Kg dry	0.0232	ND	109	70-130				
4-Chlorotoluene	0.0254	0.0023	mg/Kg dry	0.0232	ND	109	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0195	0.012	mg/Kg dry	0.0232	ND	83.9	70-130				
1,2-Dibromoethane (EDB)	0.0249	0.0012	mg/Kg dry	0.0232	ND	107	70-130				
Dibromomethane	0.0265	0.0023	mg/Kg dry	0.0232	ND	114	70-130				
1,2-Dichlorobenzene	0.0251	0.0023	mg/Kg dry	0.0232	ND	108	70-130				
1,3-Dichlorobenzene	0.0242	0.0023	mg/Kg dry	0.0232	ND	104	70-130				
1,4-Dichlorobenzene	0.0242	0.0023	mg/Kg dry	0.0232	ND	104	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008247 - SW-846 5035										
Matrix Spike (B008247-MS1)		**Source: 09L0267-02**		Prepared & Analyzed: 12/10/09						
Dichlorodifluoromethane (Freon 12)	0.0249	0.023	mg/Kg dry	0.0232	ND	107	70-130			
1,1-Dichloroethane	0.0269	0.0023	mg/Kg dry	0.0232	ND	116	70-130			
1,2-Dichloroethane	0.0265	0.0023	mg/Kg dry	0.0232	ND	114	70-130			
1,1-Dichloroethylene	0.0295	0.0046	mg/Kg dry	0.0232	ND	127	70-130			
cis-1,2-Dichloroethylene	0.0250	0.0023	mg/Kg dry	0.0232	ND	108	70-130			
trans-1,2-Dichloroethylene	0.0258	0.0023	mg/Kg dry	0.0232	ND	111	70-130			
1,2-Dichloropropane	0.0257	0.0023	mg/Kg dry	0.0232	ND	110	70-130			
1,3-Dichloropropane	0.0257	0.0012	mg/Kg dry	0.0232	ND	111	70-130			
2,2-Dichloropropane	0.0167	0.0023	mg/Kg dry	0.0232	ND	71.9	70-130			V-05
1,1-Dichloropropene	0.0264	0.0023	mg/Kg dry	0.0232	ND	114	70-130			
cis-1,3-Dichloropropene	0.0215	0.0012	mg/Kg dry	0.0232	ND	92.4	70-130			
trans-1,3-Dichloropropene	0.0205	0.0012	mg/Kg dry	0.0232	ND	88.1	70-130			V-05
Diethyl Ether	0.0285	0.023	mg/Kg dry	0.0232	ND	123	70-130			
Diisopropyl Ether (DIPE)	0.0278	0.0012	mg/Kg dry	0.0232	ND	120	70-130			
1,4-Dioxane	0.261	0.12	mg/Kg dry	0.232	ND	112	70-130			V-16
Ethylbenzene	0.0252	0.0023	mg/Kg dry	0.0232	ND	109	70-130			
Hexachlorobutadiene	0.0234	0.0023	mg/Kg dry	0.0232	ND	101	70-130			
2-Hexanone (MBK)	0.273	0.023	mg/Kg dry	0.232	ND	118	70-130			
Isopropylbenzene (Cumene)	0.0286	0.0023	mg/Kg dry	0.0232	ND	123	70-130			
p-Isopropyltoluene (p-Cymene)	0.0249	0.0023	mg/Kg dry	0.0232	ND	107	70-130			
Methyl tert-Butyl Ether (MTBE)	0.0251	0.0046	mg/Kg dry	0.0232	ND	108	70-130			
Methylene Chloride	0.0265	0.023	mg/Kg dry	0.0232	0.00242	104	70-130			
4-Methyl-2-pentanone (MIBK)	0.276	0.023	mg/Kg dry	0.232	ND	119	70-130			
Naphthalene	0.0213	0.0046	mg/Kg dry	0.0232	ND	91.8	70-130			V-05
n-Propylbenzene	0.0262	0.0023	mg/Kg dry	0.0232	ND	113	70-130			
Styrene	0.0250	0.0023	mg/Kg dry	0.0232	ND	108	70-130			
1,1,1,2-Tetrachloroethane	0.0200	0.0023	mg/Kg dry	0.0232	ND	86.3	70-130			
1,1,2,2-Tetrachloroethane	0.0267	0.0012	mg/Kg dry	0.0232	ND	115	70-130			
Tetrachloroethylene	0.0263	0.0023	mg/Kg dry	0.0232	ND	113	70-130			
Tetrahydrofuran	0.0238	0.012	mg/Kg dry	0.0232	ND	102	70-130			V-16
Toluene	0.0260	0.0023	mg/Kg dry	0.0232	ND	112	70-130			
1,2,3-Trichlorobenzene	0.0225	0.0023	mg/Kg dry	0.0232	ND	96.9	70-130			
1,2,4-Trichlorobenzene	0.0229	0.0023	mg/Kg dry	0.0232	ND	98.4	70-130			
1,1,1-Trichloroethane	0.0219	0.0023	mg/Kg dry	0.0232	ND	94.5	70-130			
1,1,2-Trichloroethane	0.0254	0.0023	mg/Kg dry	0.0232	ND	109	70-130			
Trichloroethylene	0.0259	0.0023	mg/Kg dry	0.0232	ND	112	70-130			
Trichlorofluoromethane (Freon 11)	0.0290	0.012	mg/Kg dry	0.0232	ND	125	70-130			
1,2,3-Trichloropropane	0.0206	0.0023	mg/Kg dry	0.0232	ND	88.5	70-130			
1,2,4-Trimethylbenzene	0.0235	0.0023	mg/Kg dry	0.0232	ND	101	70-130			
1,3,5-Trimethylbenzene	0.0248	0.0023	mg/Kg dry	0.0232	ND	107	70-130			
Vinyl Chloride	0.0226	0.012	mg/Kg dry	0.0232	ND	97.5	70-130			
m+p Xylene	0.0502	0.0046	mg/Kg dry	0.0465	ND	108	70-130			
o-Xylene	0.0254	0.0023	mg/Kg dry	0.0232	ND	110	70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0607*		mg/Kg dry	0.0581		105	70-130			
Surrogate: Toluene-d8	*0.0619*		mg/Kg dry	0.0581		107	70-130			
Surrogate: 4-Bromofluorobenzene	*0.0568*		mg/Kg dry	0.0581		97.8	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008252 - SW-846 3546										
Blank (B008252-BLK1)				Prepared & Analyzed: 12/10/09						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.66	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.66	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							V-19
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.66	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B008252 - SW-846 3546											
Blank (B008252-BLK1)				Prepared & Analyzed: 12/10/09							
Phenol	ND	0.34	mg/Kg wet								
Pyrene	ND	0.17	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet								
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet								
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet								
Surrogate: 2-Fluorophenol	*5.62*		mg/Kg wet	6.67		84.3	30-130				
Surrogate: Phenol-d6	*5.58*		mg/Kg wet	6.67		83.7	30-130				
Surrogate: Nitrobenzene-d5	*2.67*		mg/Kg wet	3.33		80.2	30-130				
Surrogate: 2-Fluorobiphenyl	*2.51*		mg/Kg wet	3.33		75.2	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.69*		mg/Kg wet	6.67		85.4	30-130				
Surrogate: Terphenyl-d14	*2.48*		mg/Kg wet	3.33		74.5	30-130				
LCS (B008252-BS1)				Prepared & Analyzed: 12/10/09							
Acenaphthene	1.03	0.17	mg/Kg wet	1.67		61.7	40-140				
Acenaphthylene	0.986	0.17	mg/Kg wet	1.67		59.2	40-140				
Acetophenone	0.691	0.34	mg/Kg wet	0.833		83.0	40-140				
Aniline	0.710	0.34	mg/Kg wet	1.67		42.6	10-140				†
Anthracene	1.07	0.17	mg/Kg wet	1.67		64.0	40-140				
Benzo(a)anthracene	1.14	0.17	mg/Kg wet	1.67		68.6	40-140				
Benzo(a)pyrene	1.11	0.17	mg/Kg wet	1.67		66.7	40-140				
Benzo(b)fluoranthene	1.11	0.17	mg/Kg wet	1.67		66.8	40-140				
Benzo(g,h,i)perylene	1.14	0.17	mg/Kg wet	1.67		68.1	40-140				
Benzo(k)fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.0	40-140				
Bis(2-chloroethoxy)methane	1.32	0.34	mg/Kg wet	1.67		79.1	40-140				
Bis(2-chloroethyl)ether	1.35	0.34	mg/Kg wet	1.67		80.9	40-140				
Bis(2-chloroisopropyl)ether	1.15	0.34	mg/Kg wet	1.67		68.8	40-140				
Bis(2-Ethylhexyl)phthalate	1.31	0.34	mg/Kg wet	1.67		78.4	40-140				
4-Bromophenylphenylether	1.34	0.34	mg/Kg wet	1.67		80.1	40-140				
Butylbenzylphthalate	1.29	0.66	mg/Kg wet	1.67		77.4	40-140				
4-Chloroaniline	0.437	0.66	mg/Kg wet	1.67		26.2	10-140				†
2-Chloronaphthalene	1.19	0.34	mg/Kg wet	1.67		71.5	40-140				
2-Chlorophenol	1.38	0.34	mg/Kg wet	1.67		82.8	30-130				
Chrysene	1.08	0.17	mg/Kg wet	1.67		64.5	40-140				
Dibenz(a,h)anthracene	1.15	0.17	mg/Kg wet	1.67		69.2	40-140				
Dibenzofuran	1.31	0.34	mg/Kg wet	1.67		78.4	40-140				
Di-n-butylphthalate	1.23	0.34	mg/Kg wet	1.67		73.7	40-140				
1,2-Dichlorobenzene	1.34	0.34	mg/Kg wet	1.67		80.2	40-140				
1,3-Dichlorobenzene	1.30	0.34	mg/Kg wet	1.67		78.3	40-140				
1,4-Dichlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.5	40-140				
3,3-Dichlorobenzidine	0.581	0.17	mg/Kg wet	1.67		34.9	20-140				†
2,4-Dichlorophenol	1.40	0.34	mg/Kg wet	1.67		84.0	30-130				
Diethylphthalate	1.24	0.34	mg/Kg wet	1.67		74.3	40-140				
2,4-Dimethylphenol	1.27	0.34	mg/Kg wet	1.67		76.0	30-130				
Dimethylphthalate	1.26	0.66	mg/Kg wet	1.67		75.3	40-140				
2,4-Dinitrophenol	1.32	0.66	mg/Kg wet	1.67		79.0	30-130			V-19	
2,4-Dinitrotoluene	1.40	0.34	mg/Kg wet	1.67		84.0	40-140				
2,6-Dinitrotoluene	1.35	0.34	mg/Kg wet	1.67		81.1	40-140				
Di-n-octylphthalate	1.46	0.66	mg/Kg wet	1.67		87.5	40-140				
1,2-Diphenylhydrazine (as Azobenzene)	1.30	0.34	mg/Kg wet	1.67		77.8	40-140				
Fluoranthene	1.05	0.17	mg/Kg wet	1.67		62.8	40-140				
Fluorene	1.03	0.17	mg/Kg wet	1.67		61.8	40-140				
Hexachlorobenzene	1.26	0.34	mg/Kg wet	1.67		75.5	40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008252 - SW-846 3546										
LCS (B008252-BS1)				Prepared & Analyzed: 12/10/09						
Hexachlorobutadiene	1.40	0.34	mg/Kg wet	1.67		83.9	40-140			
Hexachloroethane	1.31	0.34	mg/Kg wet	1.67		78.8	40-140			
Indeno(1,2,3-cd)pyrene	1.30	0.17	mg/Kg wet	1.67		78.0	40-140			
Isophorone	1.26	0.34	mg/Kg wet	1.67		75.5	40-140			
2-Methylnaphthalene	1.28	0.17	mg/Kg wet	1.67		76.7	40-140			
2-Methylphenol	1.34	0.34	mg/Kg wet	1.67		80.1	30-130			
3/4-Methylphenol	1.46	0.34	mg/Kg wet	1.67		87.6	30-130			
Naphthalene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140			
Nitrobenzene	1.30	0.34	mg/Kg wet	1.67		78.0	40-140			
2-Nitrophenol	1.44	0.34	mg/Kg wet	1.67		86.5	30-130			
4-Nitrophenol	1.34	0.66	mg/Kg wet	1.67		80.1	30-130			
Pentachlorophenol	1.00	0.34	mg/Kg wet	1.67		60.1	30-130			
Phenanthrene	1.01	0.17	mg/Kg wet	1.67		60.9	40-140			
Phenol	1.27	0.34	mg/Kg wet	1.67		76.4	30-130			
Pyrene	0.942	0.17	mg/Kg wet	1.67		56.5	40-140			
1,2,4-Trichlorobenzene	1.37	0.34	mg/Kg wet	1.67		82.3	40-140			
2,4,5-Trichlorophenol	1.30	0.34	mg/Kg wet	1.67		77.8	30-130			
2,4,6-Trichlorophenol	1.34	0.34	mg/Kg wet	1.67		80.4	30-130			
Surrogate: 2-Fluorophenol	*5.06*		mg/Kg wet	6.67		75.8	30-130			
Surrogate: Phenol-d6	*5.17*		mg/Kg wet	6.67		77.6	30-130			
Surrogate: Nitrobenzene-d5	*2.69*		mg/Kg wet	3.33		80.6	30-130			
Surrogate: 2-Fluorobiphenyl	*2.57*		mg/Kg wet	3.33		77.2	30-130			
Surrogate: 2,4,6-Tribromophenol	*5.71*		mg/Kg wet	6.67		85.7	30-130			
Surrogate: Terphenyl-d14	*2.58*		mg/Kg wet	3.33		77.3	30-130			
LCS Dup (B008252-BSD1)				Prepared & Analyzed: 12/10/09						
Acenaphthene	1.06	0.17	mg/Kg wet	1.67		63.5	40-140	2.81	30	
Acenaphthylene	1.01	0.17	mg/Kg wet	1.67		60.8	40-140	2.70	30	
Acetophenone	0.689	0.34	mg/Kg wet	0.833		82.6	40-140	0.386	30	
Aniline	0.760	0.34	mg/Kg wet	1.67		45.6	10-140	6.76	50	† ‡
Anthracene	1.09	0.17	mg/Kg wet	1.67		65.6	40-140	2.53	30	
Benzo(a)anthracene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140	3.41	30	
Benzo(a)pyrene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140	2.20	30	
Benzo(b)fluoranthene	1.13	0.17	mg/Kg wet	1.67		67.9	40-140	1.60	30	
Benzo(g,h,i)perylene	1.13	0.17	mg/Kg wet	1.67		67.5	40-140	0.884	30	
Benzo(k)fluoranthene	1.03	0.17	mg/Kg wet	1.67		61.9	40-140	1.47	30	
Bis(2-chloroethoxy)methane	1.31	0.34	mg/Kg wet	1.67		78.4	40-140	0.940	30	
Bis(2-chloroethyl)ether	1.34	0.34	mg/Kg wet	1.67		80.4	40-140	0.670	30	
Bis(2-chloroisopropyl)ether	1.16	0.34	mg/Kg wet	1.67		69.5	40-140	0.926	30	
Bis(2-Ethylhexyl)phthalate	1.41	0.34	mg/Kg wet	1.67		84.7	40-140	7.77	30	
4-Bromophenylphenylether	1.31	0.34	mg/Kg wet	1.67		78.8	40-140	1.69	30	
Butylbenzylphthalate	1.43	0.66	mg/Kg wet	1.67		85.9	40-140	10.4	30	
4-Chloroaniline	0.433	0.66	mg/Kg wet	1.67		26.0	10-140	0.997	30	†
2-Chloronaphthalene	1.21	0.34	mg/Kg wet	1.67		72.6	40-140	1.61	30	
2-Chlorophenol	1.38	0.34	mg/Kg wet	1.67		82.8	30-130	0.0483	30	
Chrysene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140	0.466	30	
Dibenz(a,h)anthracene	1.16	0.17	mg/Kg wet	1.67		69.6	40-140	0.461	30	
Dibenzofuran	1.33	0.34	mg/Kg wet	1.67		79.8	40-140	1.75	30	
Di-n-butylphthalate	1.33	0.34	mg/Kg wet	1.67		80.0	40-140	8.17	30	
1,2-Dichlorobenzene	1.35	0.34	mg/Kg wet	1.67		80.9	40-140	0.894	30	
1,3-Dichlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.2	40-140	1.17	30	
1,4-Dichlorobenzene	1.33	0.34	mg/Kg wet	1.67		79.9	40-140	0.452	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B008252 - SW-846 3546											
LCS Dup (B008252-BSD1)				Prepared & Analyzed: 12/10/09							
3,3-Dichlorobenzidine	0.524	0.17	mg/Kg wet	1.67		31.4	20-140	10.4	50		† ‡
2,4-Dichlorophenol	1.42	0.34	mg/Kg wet	1.67		85.1	30-130	1.23	30		
Diethylphthalate	1.36	0.34	mg/Kg wet	1.67		81.5	40-140	9.17	30		
2,4-Dimethylphenol	1.28	0.34	mg/Kg wet	1.67		76.7	30-130	0.995	30		
Dimethylphthalate	1.35	0.66	mg/Kg wet	1.67		80.8	40-140	6.97	30		
2,4-Dinitrophenol	1.39	0.66	mg/Kg wet	1.67		83.6	30-130	5.66	30	V-19	
2,4-Dinitrotoluene	1.53	0.34	mg/Kg wet	1.67		91.9	40-140	9.03	30		
2,6-Dinitrotoluene	1.46	0.34	mg/Kg wet	1.67		87.3	40-140	7.38	30		
Di-n-octylphthalate	1.49	0.66	mg/Kg wet	1.67		89.6	40-140	2.33	30		
1,2-Diphenylhydrazine (as Azobenzene)	1.23	0.34	mg/Kg wet	1.67		73.5	40-140	5.66	30		
Fluoranthene	1.10	0.17	mg/Kg wet	1.67		66.2	40-140	5.18	30		
Fluorene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	5.78	30		
Hexachlorobenzene	1.28	0.34	mg/Kg wet	1.67		77.0	40-140	2.02	30		
Hexachlorobutadiene	1.45	0.34	mg/Kg wet	1.67		87.3	40-140	3.90	30		
Hexachloroethane	1.34	0.34	mg/Kg wet	1.67		80.4	40-140	2.01	30		
Indeno(1,2,3-cd)pyrene	1.27	0.17	mg/Kg wet	1.67		76.4	40-140	2.07	30		
Isophorone	1.28	0.34	mg/Kg wet	1.67		76.9	40-140	1.81	30		
2-Methylnaphthalene	1.27	0.17	mg/Kg wet	1.67		76.2	40-140	0.602	30		
2-Methylphenol	1.40	0.34	mg/Kg wet	1.67		84.3	30-130	5.04	30		
3/4-Methylphenol	1.40	0.34	mg/Kg wet	1.67		84.1	30-130	4.03	30		
Naphthalene	1.07	0.17	mg/Kg wet	1.67		64.2	40-140	0.971	30		
Nitrobenzene	1.28	0.34	mg/Kg wet	1.67		77.0	40-140	1.24	30		
2-Nitrophenol	1.48	0.34	mg/Kg wet	1.67		88.5	30-130	2.31	30		
4-Nitrophenol	1.48	0.66	mg/Kg wet	1.67		88.8	30-130	10.3	50		‡
Pentachlorophenol	1.03	0.34	mg/Kg wet	1.67		61.6	30-130	2.53	30		
Phenanthrene	1.05	0.17	mg/Kg wet	1.67		63.2	40-140	3.77	30		
Phenol	1.27	0.34	mg/Kg wet	1.67		76.0	30-130	0.525	30		
Pyrene	1.12	0.17	mg/Kg wet	1.67		67.3	40-140	17.4	30		
1,2,4-Trichlorobenzene	1.38	0.34	mg/Kg wet	1.67		82.9	40-140	0.727	30		
2,4,5-Trichlorophenol	1.34	0.34	mg/Kg wet	1.67		80.7	30-130	3.56	30		
2,4,6-Trichlorophenol	1.30	0.34	mg/Kg wet	1.67		78.0	30-130	3.01	30		
Surrogate: 2-Fluorophenol	*5.29*		mg/Kg wet	6.67		79.4	30-130				
Surrogate: Phenol-d6	*5.18*		mg/Kg wet	6.67		77.7	30-130				
Surrogate: Nitrobenzene-d5	*2.71*		mg/Kg wet	3.33		81.2	30-130				
Surrogate: 2-Fluorobiphenyl	*2.59*		mg/Kg wet	3.33		77.7	30-130				
Surrogate: 2,4,6-Tribromophenol	*6.50*		mg/Kg wet	6.67		97.4	30-130				
Surrogate: Terphenyl-d14	*3.00*		mg/Kg wet	3.33		90.1	30-130				

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008261 - SW-846 3546										
Blank (B008261-BLK1)				Prepared: 12/10/09 Analyzed: 12/11/09						
Aldrin	ND	0.0050	mg/Kg wet							
Aldrin [2C]	ND	0.0050	mg/Kg wet							
alpha-BHC	ND	0.0050	mg/Kg wet							
alpha-BHC [2C]	ND	0.0050	mg/Kg wet							
beta-BHC	ND	0.0050	mg/Kg wet							
beta-BHC [2C]	ND	0.0050	mg/Kg wet							
delta-BHC	ND	0.0050	mg/Kg wet							
delta-BHC [2C]	ND	0.0050	mg/Kg wet							
gamma-BHC (Lindane)	ND	0.0030	mg/Kg wet							
gamma-BHC (Lindane) [2C]	ND	0.0030	mg/Kg wet							
Chlordane	ND	0.020	mg/Kg wet							
Chlordane [2C]	ND	0.020	mg/Kg wet							
4,4'-DDD	ND	0.0080	mg/Kg wet							
4,4'-DDD [2C]	ND	0.0080	mg/Kg wet							
4,4'-DDE	ND	0.0040	mg/Kg wet							
4,4'-DDE [2C]	ND	0.0040	mg/Kg wet							
4,4'-DDT	ND	0.0080	mg/Kg wet							
4,4'-DDT [2C]	ND	0.0080	mg/Kg wet							
Dieldrin	ND	0.0080	mg/Kg wet							
Dieldrin [2C]	ND	0.0080	mg/Kg wet							
Endosulfan I	ND	0.0050	mg/Kg wet							
Endosulfan I [2C]	ND	0.0050	mg/Kg wet							
Endosulfan II	ND	0.0080	mg/Kg wet							
Endosulfan II [2C]	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate	ND	0.0080	mg/Kg wet							
Endosulfan Sulfate [2C]	ND	0.0080	mg/Kg wet							
Endrin	ND	0.0080	mg/Kg wet							
Endrin [2C]	ND	0.0080	mg/Kg wet							
Endrin Aldehyde	ND	0.0080	mg/Kg wet							
Endrin Aldehyde [2C]	ND	0.0080	mg/Kg wet							
Endrin Ketone	ND	0.0080	mg/Kg wet							
Endrin Ketone [2C]	ND	0.0080	mg/Kg wet							
Heptachlor	ND	0.0050	mg/Kg wet							
Heptachlor [2C]	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide	ND	0.0050	mg/Kg wet							
Heptachlor Epoxide [2C]	ND	0.0050	mg/Kg wet							
Hexachlorobenzene	ND	0.0050	mg/Kg wet							
Hexachlorobenzene [2C]	ND	0.0050	mg/Kg wet							
Methoxychlor	ND	0.050	mg/Kg wet							
Methoxychlor [2C]	ND	0.050	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.221*		mg/Kg wet	0.200		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.228*		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene	*0.212*		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.252*		mg/Kg wet	0.200		126	30-150			

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008261 - SW-846 3546										
LCS (B008261-BS1)				Prepared: 12/10/09 Analyzed: 12/11/09						
Aldrin	0.023	0.0050	mg/Kg wet	0.0200		116	40-140			
Aldrin [2C]	0.024	0.0050	mg/Kg wet	0.0200		122	40-140			
alpha-BHC	0.027	0.0050	mg/Kg wet	0.0200		136	40-140			
alpha-BHC [2C]	0.025	0.0050	mg/Kg wet	0.0200		127	40-140			
beta-BHC	0.023	0.0050	mg/Kg wet	0.0200		116	40-140			
beta-BHC [2C]	0.024	0.0050	mg/Kg wet	0.0200		119	40-140			
delta-BHC	0.023	0.0050	mg/Kg wet	0.0200		115	40-140			
delta-BHC [2C]	0.024	0.0050	mg/Kg wet	0.0200		119	40-140			
gamma-BHC (Lindane)	0.024	0.0030	mg/Kg wet	0.0200		118	40-140			
gamma-BHC (Lindane) [2C]	0.025	0.0030	mg/Kg wet	0.0200		126	40-140			
4,4'-DDD	0.026	0.0080	mg/Kg wet	0.0200		128	40-140			
4,4'-DDD [2C]	0.024	0.0080	mg/Kg wet	0.0200		121	40-140			
4,4'-DDE	0.026	0.0040	mg/Kg wet	0.0200		130	40-140			V-20
4,4'-DDE [2C]	0.024	0.0040	mg/Kg wet	0.0200		122	40-140			
4,4'-DDT	0.024	0.0080	mg/Kg wet	0.0200		121	40-140			
4,4'-DDT [2C]	0.023	0.0080	mg/Kg wet	0.0200		115	40-140			
Dieldrin	0.026	0.0080	mg/Kg wet	0.0200		128	40-140			
Dieldrin [2C]	0.024	0.0080	mg/Kg wet	0.0200		118	40-140			
Endosulfan I	0.024	0.0050	mg/Kg wet	0.0200		119	40-140			
Endosulfan I [2C]	0.024	0.0050	mg/Kg wet	0.0200		118	40-140			
Endosulfan II	0.025	0.0080	mg/Kg wet	0.0200		124	40-140			
Endosulfan II [2C]	0.024	0.0080	mg/Kg wet	0.0200		118	40-140			
Endosulfan Sulfate	0.025	0.0080	mg/Kg wet	0.0200		123	40-140			
Endosulfan Sulfate [2C]	0.023	0.0080	mg/Kg wet	0.0200		115	40-140			
Endrin	0.026	0.0080	mg/Kg wet	0.0200		130	40-140			V-20
Endrin [2C]	0.025	0.0080	mg/Kg wet	0.0200		124	40-140			
Endrin Ketone	0.024	0.0080	mg/Kg wet	0.0200		122	40-140			
Endrin Ketone [2C]	0.023	0.0080	mg/Kg wet	0.0200		114	40-140			
Heptachlor	0.023	0.0050	mg/Kg wet	0.0200		113	40-140			
Heptachlor [2C]	0.025	0.0050	mg/Kg wet	0.0200		126	40-140			
Heptachlor Epoxide	0.024	0.0050	mg/Kg wet	0.0200		122	40-140			
Heptachlor Epoxide [2C]	0.024	0.0050	mg/Kg wet	0.0200		120	40-140			
Hexachlorobenzene	0.023	0.0050	mg/Kg wet	0.0200		117	40-140			
Hexachlorobenzene [2C]	0.025	0.0050	mg/Kg wet	0.0200		125	40-140			
Methoxychlor	0.028	0.050	mg/Kg wet	0.0200		139	40-140			
Methoxychlor [2C]	0.025	0.050	mg/Kg wet	0.0200		126	40-140			
Surrogate: Decachlorobiphenyl	*0.224*		mg/Kg wet	0.200		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.230*		mg/Kg wet	0.200		115	30-150			
Surrogate: Tetrachloro-m-xylene	*0.219*		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.261*		mg/Kg wet	0.200		131	30-150			
LCS Dup (B008261-BSD1)				Prepared: 12/10/09 Analyzed: 12/11/09						
Aldrin	0.023	0.0050	mg/Kg wet	0.0200		116	40-140	0.358	30	
Aldrin [2C]	0.024	0.0050	mg/Kg wet	0.0200		122	40-140	0.144	30	
alpha-BHC	0.028	0.0050	mg/Kg wet	0.0200		138	40-140	1.71	30	
alpha-BHC [2C]	0.025	0.0050	mg/Kg wet	0.0200		127	40-140	0.170	30	
beta-BHC	0.023	0.0050	mg/Kg wet	0.0200		117	40-140	1.04	30	
beta-BHC [2C]	0.024	0.0050	mg/Kg wet	0.0200		120	40-140	0.548	30	
delta-BHC	0.024	0.0050	mg/Kg wet	0.0200		118	40-140	2.43	30	
delta-BHC [2C]	0.024	0.0050	mg/Kg wet	0.0200		122	40-140	3.01	30	
gamma-BHC (Lindane)	0.024	0.0030	mg/Kg wet	0.0200		120	40-140	1.41	30	
gamma-BHC (Lindane) [2C]	0.025	0.0030	mg/Kg wet	0.0200		127	40-140	0.784	30	

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QUALITY CONTROL

Organochloride Pesticides by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008261 - SW-846 3546										
LCS Dup (B008261-BSD1)				Prepared: 12/10/09 Analyzed: 12/11/09						
4,4'-DDD	0.026	0.0080	mg/Kg wet	0.0200		132	40-140	2.44	30	
4,4'-DDD [2C]	0.025	0.0080	mg/Kg wet	0.0200		123	40-140	2.17	30	
4,4'-DDE	0.027	0.0040	mg/Kg wet	0.0200		133	40-140	2.08	30	V-20
4,4'-DDE [2C]	0.025	0.0040	mg/Kg wet	0.0200		124	40-140	1.17	30	
4,4'-DDT	0.025	0.0080	mg/Kg wet	0.0200		123	40-140	1.65	30	
4,4'-DDT [2C]	0.024	0.0080	mg/Kg wet	0.0200		118	40-140	2.68	30	
Dieldrin	0.026	0.0080	mg/Kg wet	0.0200		132	40-140	3.09	30	
Dieldrin [2C]	0.024	0.0080	mg/Kg wet	0.0200		122	40-140	2.66	30	
Endosulfan I	0.025	0.0050	mg/Kg wet	0.0200		123	40-140	2.50	30	
Endosulfan I [2C]	0.024	0.0050	mg/Kg wet	0.0200		121	40-140	2.17	30	
Endosulfan II	0.025	0.0080	mg/Kg wet	0.0200		127	40-140	2.60	30	
Endosulfan II [2C]	0.025	0.0080	mg/Kg wet	0.0200		123	40-140	3.57	30	
Endosulfan Sulfate	0.025	0.0080	mg/Kg wet	0.0200		126	40-140	2.54	30	
Endosulfan Sulfate [2C]	0.024	0.0080	mg/Kg wet	0.0200		118	40-140	2.59	30	
Endrin	0.027	0.0080	mg/Kg wet	0.0200		133	40-140	2.20	30	V-20
Endrin [2C]	0.025	0.0080	mg/Kg wet	0.0200		126	40-140	1.40	30	
Endrin Ketone	0.025	0.0080	mg/Kg wet	0.0200		125	40-140	3.09	30	
Endrin Ketone [2C]	0.023	0.0080	mg/Kg wet	0.0200		117	40-140	3.14	30	
Heptachlor	0.023	0.0050	mg/Kg wet	0.0200		114	40-140	0.322	30	
Heptachlor [2C]	0.025	0.0050	mg/Kg wet	0.0200		125	40-140	0.614	30	
Heptachlor Epoxide	0.025	0.0050	mg/Kg wet	0.0200		124	40-140	2.17	30	
Heptachlor Epoxide [2C]	0.024	0.0050	mg/Kg wet	0.0200		122	40-140	1.67	30	
Hexachlorobenzene	0.023	0.0050	mg/Kg wet	0.0200		115	40-140	1.57	30	
Hexachlorobenzene [2C]	0.024	0.0050	mg/Kg wet	0.0200		122	40-140	1.75	30	
Methoxychlor	0.027	0.050	mg/Kg wet	0.0200		135	40-140	2.99	30	
Methoxychlor [2C]	0.026	0.050	mg/Kg wet	0.0200		129	40-140	2.36	30	
Surrogate: Decachlorobiphenyl	*0.223*		mg/Kg wet	0.200		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.229*		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene	*0.209*		mg/Kg wet	0.200		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.249*		mg/Kg wet	0.200		124	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008262 - SW-846 3546										
Blank (B008262-BLK1)				Prepared: 12/10/09 Analyzed: 12/11/09						
Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.185*		mg/Kg wet	0.200		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.200*		mg/Kg wet	0.200		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.197*		mg/Kg wet	0.200		98.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.200*		mg/Kg wet	0.200		99.8	30-150			
LCS (B008262-BS1)				Prepared: 12/10/09 Analyzed: 12/11/09						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		102	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		108	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		99.6	40-140			
Aroclor-1260 [2C]	0.19	0.10	mg/Kg wet	0.200		95.9	40-140			
Surrogate: Decachlorobiphenyl	*0.189*		mg/Kg wet	0.200		94.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.121*		mg/Kg wet	0.200		60.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.202*		mg/Kg wet	0.200		101	30-150			
LCS Dup (B008262-BSD1)				Prepared: 12/10/09 Analyzed: 12/11/09						
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		103	40-140	1.62	30	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		98.8	40-140	8.94	30	
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		101	40-140	1.70	30	
Aroclor-1260 [2C]	0.19	0.10	mg/Kg wet	0.200		96.3	40-140	0.385	30	
Surrogate: Decachlorobiphenyl	*0.186*		mg/Kg wet	0.200		92.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.201*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.198*		mg/Kg wet	0.200		99.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0820*		mg/Kg wet	0.200		41.0	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008273 - SW-846 3546										
Blank (B008273-BLK1)				Prepared: 12/10/09 Analyzed: 12/11/09						
C9-C18 Aliphatics	ND	10	mg/Kg wet							
C19-C36 Aliphatics	ND	10	mg/Kg wet							
Unadjusted C11-C22 Aromatics	ND	10	mg/Kg wet							
C11-C22 Aromatics	ND	10	mg/Kg wet							
Acenaphthene	ND	0.10	mg/Kg wet							
Acenaphthylene	ND	0.10	mg/Kg wet							
Anthracene	ND	0.10	mg/Kg wet							
Benzo(a)anthracene	ND	0.10	mg/Kg wet							
Benzo(a)pyrene	ND	0.10	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.10	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.10	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.10	mg/Kg wet							
Chrysene	ND	0.10	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.10	mg/Kg wet							
Fluoranthene	ND	0.10	mg/Kg wet							
Fluorene	ND	0.10	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.10	mg/Kg wet							
2-Methylnaphthalene	ND	0.10	mg/Kg wet							
Naphthalene	ND	0.10	mg/Kg wet							
Phenanthrene	ND	0.10	mg/Kg wet							
Pyrene	ND	0.10	mg/Kg wet							
Surrogate: Chlorooctadecane (COD)	*4.23*		mg/Kg wet	5.00		84.6	40-140			
Surrogate: o-Terphenyl (OTP)	*5.48*		mg/Kg wet	5.00		110	40-140			
Surrogate: 2-Bromonaphthalene	*5.46*		mg/Kg wet	5.00		109	40-140			
Surrogate: 2-Fluorobiphenyl	*5.35*		mg/Kg wet	5.00		107	40-140			
LCS (B008273-BS1)				Prepared: 12/10/09 Analyzed: 12/11/09						
C9-C18 Aliphatics	29.4	10	mg/Kg wet	30.0		97.9	40-140			
C19-C36 Aliphatics	49.1	10	mg/Kg wet	40.0		123	40-140			
Unadjusted C11-C22 Aromatics	95.3	10	mg/Kg wet	85.0		112	40-140			
Acenaphthene	5.10	0.10	mg/Kg wet	5.00		102	40-140			
Acenaphthylene	5.04	0.10	mg/Kg wet	5.00		101	40-140			
Anthracene	5.55	0.10	mg/Kg wet	5.00		111	40-140			
Benzo(a)anthracene	5.52	0.10	mg/Kg wet	5.00		110	40-140			
Benzo(a)pyrene	5.49	0.10	mg/Kg wet	5.00		110	40-140			
Benzo(b)fluoranthene	5.71	0.10	mg/Kg wet	5.00		114	40-140			
Benzo(g,h,i)perylene	5.61	0.10	mg/Kg wet	5.00		112	40-140			
Benzo(k)fluoranthene	5.63	0.10	mg/Kg wet	5.00		113	40-140			
Chrysene	5.70	0.10	mg/Kg wet	5.00		114	40-140			
Dibenz(a,h)anthracene	5.60	0.10	mg/Kg wet	5.00		112	40-140			
Fluoranthene	5.51	0.10	mg/Kg wet	5.00		110	40-140			
Fluorene	5.30	0.10	mg/Kg wet	5.00		106	40-140			
Indeno(1,2,3-cd)pyrene	5.51	0.10	mg/Kg wet	5.00		110	40-140			
2-Methylnaphthalene	4.84	0.10	mg/Kg wet	5.00		96.8	40-140			
Naphthalene	4.51	0.10	mg/Kg wet	5.00		90.2	40-140			
Phenanthrene	5.41	0.10	mg/Kg wet	5.00		108	40-140			
Pyrene	5.68	0.10	mg/Kg wet	5.00		114	40-140			
n-Nonane	3.23	0.10	mg/Kg wet	5.00		64.7	30-140			
Naphthalene-aliphatic fraction	0.00		mg/Kg wet	5.00			0-5			
2-Methylnaphthalene-aliphatic fraction	0.00		mg/Kg wet	5.00			0-5			
Surrogate: Chlorooctadecane (COD)	*4.14*		mg/Kg wet	5.00		82.8	40-140			
Surrogate: o-Terphenyl (OTP)	*5.49*		mg/Kg wet	5.00		110	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008273 - SW-846 3546										
LCS (B008273-BS1)				Prepared: 12/10/09 Analyzed: 12/11/09						
Surrogate: 2-Bromonaphthalene	*5.17*		mg/Kg wet	5.00		103	40-140			
Surrogate: 2-Fluorobiphenyl	*5.20*		mg/Kg wet	5.00		104	40-140			
LCS Dup (B008273-BSD1)				Prepared: 12/10/09 Analyzed: 12/11/09						
C9-C18 Aliphatics	27.5	10	mg/Kg wet	30.0		91.6	40-140	6.62	25	
C19-C36 Aliphatics	47.8	10	mg/Kg wet	40.0		119	40-140	2.72	25	
Unadjusted C11-C22 Aromatics	91.6	10	mg/Kg wet	85.0		108	40-140	4.02	25	
Acenaphthene	4.94	0.10	mg/Kg wet	5.00		98.9	40-140	3.03	25	
Acenaphthylene	4.89	0.10	mg/Kg wet	5.00		97.8	40-140	2.97	25	
Anthracene	5.32	0.10	mg/Kg wet	5.00		106	40-140	4.26	25	
Benzo(a)anthracene	5.26	0.10	mg/Kg wet	5.00		105	40-140	4.81	25	
Benzo(a)pyrene	5.24	0.10	mg/Kg wet	5.00		105	40-140	4.79	25	
Benzo(b)fluoranthene	5.45	0.10	mg/Kg wet	5.00		109	40-140	4.71	25	
Benzo(g,h,i)perylene	5.39	0.10	mg/Kg wet	5.00		108	40-140	4.11	25	
Benzo(k)fluoranthene	5.36	0.10	mg/Kg wet	5.00		107	40-140	4.93	25	
Chrysene	5.43	0.10	mg/Kg wet	5.00		109	40-140	4.99	25	
Dibenz(a,h)anthracene	5.33	0.10	mg/Kg wet	5.00		107	40-140	4.98	25	
Fluoranthene	5.27	0.10	mg/Kg wet	5.00		105	40-140	4.50	25	
Fluorene	5.14	0.10	mg/Kg wet	5.00		103	40-140	3.06	25	
Indeno(1,2,3-cd)pyrene	5.25	0.10	mg/Kg wet	5.00		105	40-140	4.83	25	
2-Methylnaphthalene	4.65	0.10	mg/Kg wet	5.00		93.0	40-140	3.99	25	
Naphthalene	4.30	0.10	mg/Kg wet	5.00		86.0	40-140	4.69	25	
Phenanthrene	5.21	0.10	mg/Kg wet	5.00		104	40-140	3.71	25	
Pyrene	5.43	0.10	mg/Kg wet	5.00		109	40-140	4.62	25	
n-Nonane	2.89	0.10	mg/Kg wet	5.00		57.9	30-140	11.1	25	
Naphthalene-aliphatic fraction	0.00		mg/Kg wet	5.00			0-5			
2-Methylnaphthalene-aliphatic fraction	0.00		mg/Kg wet	5.00			0-5			
Surrogate: Chlorooctadecane (COD)	*4.08*		mg/Kg wet	5.00		81.6	40-140			
Surrogate: o-Terphenyl (OTP)	*5.36*		mg/Kg wet	5.00		107	40-140			
Surrogate: 2-Bromonaphthalene	*4.93*		mg/Kg wet	5.00		98.6	40-140			
Surrogate: 2-Fluorobiphenyl	*4.96*		mg/Kg wet	5.00		99.3	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008206 - MA VPH										
Blank (B008206-BLK1)				Prepared & Analyzed: 12/09/09						
Unadjusted C5-C8 Aliphatics	ND	16	mg/Kg wet							
C5-C8 Aliphatics	ND	16	mg/Kg wet							
Unadjusted C9-C12 Aliphatics	ND	11	mg/Kg wet							
C9-C12 Aliphatics	ND	11	mg/Kg wet							
C9-C10 Aromatics	ND	11	mg/Kg wet							
Benzene	ND	0.053	mg/Kg wet							
Butylcyclohexane	ND	0.053	mg/Kg wet							
Decane	ND	0.053	mg/Kg wet							
Ethylbenzene	ND	0.053	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.053	mg/Kg wet							
2-Methylpentane	ND	0.053	mg/Kg wet							
Naphthalene	ND	0.53	mg/Kg wet							
Nonane	ND	0.053	mg/Kg wet							
Pentane	ND	0.053	mg/Kg wet							
Toluene	ND	0.053	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.053	mg/Kg wet							
2,2,4-Trimethylpentane	ND	0.053	mg/Kg wet							
m+p Xylene	ND	0.11	mg/Kg wet							
o-Xylene	ND	0.053	mg/Kg wet							
Surrogate: 2,5-Dibromotoluene (FID)	*3.37*		mg/Kg wet	3.33		101	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*3.19*		mg/Kg wet	3.33		95.6	70-130			
LCS (B008206-BS1)				Prepared & Analyzed: 12/09/09						
Benzene	6.76	0.057	mg/Kg wet	6.67		101	70-130			
Butylcyclohexane	6.33	0.057	mg/Kg wet	6.67		94.9	70-130			
Decane	8.62	0.057	mg/Kg wet	6.67		129	70-130			
Ethylbenzene	6.85	0.057	mg/Kg wet	6.67		103	70-130			
Methyl tert-Butyl Ether (MTBE)	6.51	0.057	mg/Kg wet	6.67		97.7	70-130			
2-Methylpentane	7.26	0.057	mg/Kg wet	6.67		109	70-130			
Naphthalene	6.15	0.57	mg/Kg wet	6.67		92.2	70-130			
Nonane	6.45	0.057	mg/Kg wet	6.67		96.7	30-130			
Pentane	6.91	0.057	mg/Kg wet	6.67		104	70-130			
Toluene	6.73	0.057	mg/Kg wet	6.67		101	70-130			
1,2,4-Trimethylbenzene	6.60	0.057	mg/Kg wet	6.67		99.1	70-130			
2,2,4-Trimethylpentane	5.94	0.057	mg/Kg wet	6.67		89.1	70-130			
m+p Xylene	13.4	0.11	mg/Kg wet	13.3		101	70-130			
o-Xylene	6.67	0.057	mg/Kg wet	6.67		100	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*2.91*		mg/Kg wet	3.33		87.4	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*2.76*		mg/Kg wet	3.33		82.8	70-130			
LCS Dup (B008206-BSD1)				Prepared & Analyzed: 12/09/09						
Benzene	6.69	0.057	mg/Kg wet	6.67		100	70-130	1.05	25	
Butylcyclohexane	6.26	0.057	mg/Kg wet	6.67		93.9	70-130	1.13	25	
Decane	8.62	0.057	mg/Kg wet	6.67		129	70-130	0.0670	25	
Ethylbenzene	6.76	0.057	mg/Kg wet	6.67		101	70-130	1.27	25	
Methyl tert-Butyl Ether (MTBE)	6.10	0.057	mg/Kg wet	6.67		91.6	70-130	6.50	25	
2-Methylpentane	7.14	0.057	mg/Kg wet	6.67		107	70-130	1.63	25	
Naphthalene	5.39	0.57	mg/Kg wet	6.67		80.9	70-130	13.1	25	
Nonane	6.27	0.057	mg/Kg wet	6.67		94.1	30-130	2.70	25	
Pentane	6.32	0.057	mg/Kg wet	6.67		94.8	70-130	8.99	25	
Toluene	6.65	0.057	mg/Kg wet	6.67		99.7	70-130	1.21	25	
1,2,4-Trimethylbenzene	6.51	0.057	mg/Kg wet	6.67		97.6	70-130	1.49	25	

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008206 - MA VPH										
LCS Dup (B008206-BSD1)				Prepared & Analyzed: 12/09/09						
2,2,4-Trimethylpentane	5.98	0.057	mg/Kg wet	6.67		89.7	70-130	0.607	25	
m+p Xylene	13.3	0.11	mg/Kg wet	13.3		99.7	70-130	1.12	25	
o-Xylene	6.60	0.057	mg/Kg wet	6.67		99.0	70-130	1.05	25	
Surrogate: 2,5-Dibromotoluene (FID)	*2.74*		mg/Kg wet	3.33		82.1	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*2.47*		mg/Kg wet	3.33		74.2	70-130			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008251 - SW-846 3051										
Blank (B008251-BLK1)				Prepared & Analyzed: 12/10/09						
Arsenic	ND	2.4	mg/Kg wet							
Barium	ND	4.9	mg/Kg wet							
Cadmium	ND	0.24	mg/Kg wet							
Chromium	ND	0.49	mg/Kg wet							
Lead	ND	0.73	mg/Kg wet							
Selenium	ND	4.9	mg/Kg wet							
Silver	ND	0.49	mg/Kg wet							
LCS (B008251-BS1)				Prepared & Analyzed: 12/10/09						
Arsenic	167	5.0	mg/Kg wet	158		106	81.6-118.4			
Barium	355	10	mg/Kg wet	347		102	80.7-119.3			
Cadmium	187	0.50	mg/Kg wet	186		100	82.4-117.6			
Chromium	95.0	1.0	mg/Kg wet	89.2		107	78.8-120.7			
Lead	172	1.5	mg/Kg wet	171		100	79.1-120.3			
Selenium	147	10	mg/Kg wet	148		99.6	78.4-120.9			
Silver	67.9	1.0	mg/Kg wet	65.8		103	66.2-133.6			
LCS (B008251-BS2)				Prepared: 12/10/09 Analyzed: 12/11/09						
Lead	0.784	0.72	mg/Kg wet	0.724		108	79.1-120.3			
LCS Dup (B008251-BSD1)				Prepared & Analyzed: 12/10/09						
Arsenic	162	5.0	mg/Kg wet	158		103	81.6-118.4	2.84	30	
Barium	342	10	mg/Kg wet	348		98.3	80.7-119.3	3.81	30	
Cadmium	182	0.50	mg/Kg wet	187		97.3	82.4-117.6	2.58	30	
Chromium	87.5	1.0	mg/Kg wet	89.4		97.9	78.8-120.7	8.21	30	
Lead	166	1.5	mg/Kg wet	172		96.3	79.1-120.3	3.84	30	
Selenium	143	10	mg/Kg wet	148		97.0	78.4-120.9	2.46	30	
Silver	64.9	1.0	mg/Kg wet	66.0		98.4	66.2-133.6	4.51	30	
Batch B008255 - SW-846 7471A										
Blank (B008255-BLK1)				Prepared & Analyzed: 12/10/09						
Mercury	ND	0.025	mg/Kg wet							
LCS (B008255-BS1)				Prepared & Analyzed: 12/10/09						
Mercury	0.929	0.025	mg/Kg wet	1.01		91.8	66-132			
LCS Dup (B008255-BSD1)				Prepared & Analyzed: 12/10/09						
Mercury	0.887	0.025	mg/Kg wet	1.01		88.0	66-132	4.61	30	
Duplicate (B008255-DUP1)		**Source: 09L0267-02**		Prepared & Analyzed: 12/10/09						
Mercury	ND	0.022	mg/Kg dry		ND			NC	35	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008255 - SW-846 7471A										
Matrix Spike (B008255-MS1)		**Source: 09L0267-02**		Prepared & Analyzed: 12/10/09						
Mercury	0.425	0.021	mg/Kg dry	0.415	ND	102	75-125			
Batch B008256 - SW-846 7471A										
Blank (B008256-BLK1)				Prepared & Analyzed: 12/10/09						
Mercury	ND	0.025	mg/Kg							
LCS (B008256-BS1)				Prepared & Analyzed: 12/10/09						
Mercury	0.929	0.025	mg/Kg	1.01		91.8	66-132			
LCS Dup (B008256-BSD1)				Prepared & Analyzed: 12/10/09						
Mercury	0.887	0.025	mg/Kg	1.01		88.0	66-132	4.61	30	
Duplicate (B008256-DUP1)		**Source: 09L0267-02**		Prepared & Analyzed: 12/10/09						
Mercury	ND	0.020	mg/Kg		ND			NC	35	
Matrix Spike (B008256-MS1)		**Source: 09L0267-02**		Prepared & Analyzed: 12/10/09						
Mercury	0.398	0.019	mg/Kg	0.388	ND	102	75-125			
Batch B008279 - SW-846 3051										
Blank (B008279-BLK1)				Prepared & Analyzed: 12/10/09						
Arsenic	ND	2.4	mg/Kg							
Barium	ND	4.9	mg/Kg							
Cadmium	ND	0.24	mg/Kg							
Chromium	ND	0.49	mg/Kg							
Lead	ND	0.73	mg/Kg							
Selenium	ND	4.9	mg/Kg							
Silver	ND	0.49	mg/Kg							
LCS (B008279-BS1)				Prepared & Analyzed: 12/10/09						
Arsenic	167	5.0	mg/Kg	158		106	81.6-118.4			
Barium	355	10	mg/Kg	347		102	80.7-119.3			
Cadmium	187	0.50	mg/Kg	186		100	82.4-117.6			
Chromium	95.0	1.0	mg/Kg	89.2		107	78.8-120.7			
Lead	172	1.5	mg/Kg	171		100	79.1-120.3			
Selenium	147	10	mg/Kg	148		99.6	78.4-120.9			
Silver	67.9	1.0	mg/Kg	65.8		103	66.2-133.6			
LCS (B008279-BS2)				Prepared: 12/10/09 Analyzed: 12/11/09						
Lead	0.782	0.72	mg/Kg	0.724		108	79.1-120.3			

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B008279 - SW-846 3051										
LCS Dup (B008279-BSD1)				Prepared & Analyzed: 12/10/09						
Arsenic	162	5.0	mg/Kg	158		103	81.6-118.4	2.84	30	
Barium	342	10	mg/Kg	348		98.3	80.7-119.3	3.81	30	
Cadmium	182	0.50	mg/Kg	187		97.3	82.4-117.6	2.58	30	
Chromium	87.5	1.0	mg/Kg	89.4		97.9	78.8-120.7	8.21	30	
Lead	166	1.5	mg/Kg	172		96.3	79.1-120.3	3.84	30	
Selenium	143	10	mg/Kg	148		97.0	78.4-120.9	2.46	30	
Silver	64.9	1.0	mg/Kg	66.0		98.4	66.2-133.6	4.51	30	

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BREAKDOWN REPORT

Lab Sample ID: **S000218-PEM1** **Analyzed:** **12/11/2009**

Column Number: **1**

Analyte	% Breakdown
4,4'-DDT [1]	0.33
Endrin [1]	4.17

Column Number: **2**

Analyte	% Breakdown
4,4'-DDT [2]	0.47
Endrin [2]	9.21

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
PR-01	Sample preservative does not satisfy the method specifications.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.
V-19	Initial calibration did not meet method specifications. Compound was calibrated using linear regression with correlation coefficient <0.99.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
Z-01	Sample recieved unpreserved in an unsealed container for VOC analysis. Reported values will be biased on the low side.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-EPH-04-1.1 in Soil	
C9-C18 Aliphatics	CT,NC,WA
C19-C36 Aliphatics	CT,NC,WA
Unadjusted C11-C22 Aromatics	CT,NC,WA
C11-C22 Aromatics	CT,NC,WA
Acenaphthene	CT,NC,WA
Acenaphthylene	CT,NC,WA
Anthracene	CT,NC,WA
Benzo(a)anthracene	CT,NC,WA
Benzo(a)pyrene	CT,NC,WA
Benzo(b)fluoranthene	CT,NC,WA
Benzo(g,h,i)perylene	CT,NC,WA
Benzo(k)fluoranthene	CT,NC,WA
Chrysene	CT,NC,WA
Dibenz(a,h)anthracene	CT,NC,WA
Fluoranthene	CT,NC,WA
Fluorene	CT,NC,WA
Indeno(1,2,3-cd)pyrene	CT,NC,WA
2-Methylnaphthalene	CT,NC,WA
Naphthalene	CT,NC,WA
Phenanthrene	CT,NC,WA
Pyrene	CT,NC,WA
MADEP-VPH-04-1.1 in Soil	
Unadjusted C5-C8 Aliphatics	CT,NC,WA
C5-C8 Aliphatics	CT,NC,WA
Unadjusted C9-C12 Aliphatics	CT,NC,WA
C9-C12 Aliphatics	CT,NC,WA
C9-C10 Aromatics	CT,NC,WA
Benzene	CT,NC,WA
Ethylbenzene	CT,NC,WA
Methyl tert-Butyl Ether (MTBE)	CT,NC,WA
Naphthalene	CT,NC,WA
Toluene	CT,NC,WA
o-Xylene	CT,NC,WA
SW-846 6010B in Product/Solid	
Arsenic	CT,NH,NY
Barium	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY
Lead	CT,NH,NY
Selenium	CT,NH,NY
Silver	CT,NH,NY
SW-846 6010B in Soil	
Arsenic	CT,NH,NY
Barium	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010B in Soil	
Lead	CT,NH,NY,AIHA
Selenium	CT,NH,NY
Silver	CT,NH,NY
SW-846 7471A in Product/Solid	
Mercury	CT,NH,NY
SW-846 7471A in Soil	
Mercury	CT,NH,NY
SW-846 8081A in Soil	
Aldrin	CT,NH,NY
Aldrin [2C]	CT,NH,NY
alpha-BHC	CT,NH,NY
alpha-BHC [2C]	CT,NH,NY
beta-BHC	CT,NH,NY
beta-BHC [2C]	CT,NH,NY
delta-BHC	CT,NH,NY
delta-BHC [2C]	CT,NH,NY
gamma-BHC (Lindane)	CT,NH,NY
gamma-BHC (Lindane) [2C]	CT,NH,NY
Chlordane	CT,NH,NY
Chlordane [2C]	CT,NH,NY
4,4'-DDD	CT,NH,NY
4,4'-DDD [2C]	CT,NH,NY
4,4'-DDE	CT,NH,NY
4,4'-DDE [2C]	CT,NH,NY
4,4'-DDT	CT,NH,NY
4,4'-DDT [2C]	CT,NH,NY
Dieldrin	CT,NH,NY
Dieldrin [2C]	CT,NH,NY
Endosulfan I	CT,NH,NY
Endosulfan I [2C]	CT,NH,NY
Endosulfan II	CT,NH,NY
Endosulfan II [2C]	CT,NH,NY
Endosulfan Sulfate	CT,NH,NY
Endosulfan Sulfate [2C]	CT,NH,NY
Endrin	CT,NH,NY
Endrin [2C]	CT,NH,NY
Heptachlor	CT,NH,NY
Heptachlor [2C]	CT,NH,NY
Heptachlor Epoxide	CT,NH,NY
Heptachlor Epoxide [2C]	CT,NH,NY
Hexachlorobenzene	CT,NH,NY
Hexachlorobenzene [2C]	CT,NH,NY
Methoxychlor	CT,NH,NY
Methoxychlor [2C]	CT,NH,NY
SW-846 8082 in Soil	

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082 in Soil	
Aroclor-1016	CT,NH,NY
Aroclor-1016 [2C]	CT,NH,NY
Aroclor-1221	CT,NH,NY
Aroclor-1221 [2C]	CT,NH,NY
Aroclor-1232	CT,NH,NY
Aroclor-1232 [2C]	CT,NH,NY
Aroclor-1242	CT,NH,NY
Aroclor-1242 [2C]	CT,NH,NY
Aroclor-1248	CT,NH,NY
Aroclor-1248 [2C]	CT,NH,NY
Aroclor-1254	CT,NH,NY
Aroclor-1254 [2C]	CT,NH,NY
Aroclor-1260	CT,NH,NY
Aroclor-1260 [2C]	CT,NH,NY
SW-846 8260B in Soil	
Acetone	CT,NH,NY
Benzene	CT,NH,NY
Bromobenzene	NH,NY
Bromochloromethane	NH,NY
Bromodichloromethane	CT,NH,NY
Bromoform	CT,NH,NY
Bromomethane	CT,NH,NY
2-Butanone (MEK)	CT,NH,NY
n-Butylbenzene	CT,NH,NY
sec-Butylbenzene	CT,NH,NY
tert-Butylbenzene	CT,NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY
Chlorobenzene	CT,NH,NY
Chlorodibromomethane	CT,NH,NY
Chloroethane	CT,NH,NY
Chloroform	CT,NH,NY
Chloromethane	CT,NH,NY
2-Chlorotoluene	CT,NH,NY
4-Chlorotoluene	CT,NH,NY
Dibromomethane	NH,NY
1,2-Dichlorobenzene	CT,NH,NY
1,3-Dichlorobenzene	CT,NH,NY
1,4-Dichlorobenzene	CT,NH,NY
Dichlorodifluoromethane (Freon 12)	NY
1,1-Dichloroethane	CT,NH,NY
1,2-Dichloroethane	CT,NH,NY
1,1-Dichloroethylene	CT,NH,NY
cis-1,2-Dichloroethylene	CT,NH,NY
trans-1,2-Dichloroethylene	CT,NH,NY
1,2-Dichloropropane	CT,NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
1,3-Dichloropropane	NH,NY
2,2-Dichloropropane	NH,NY
1,1-Dichloropropene	NH,NY
cis-1,3-Dichloropropene	CT,NH,NY
trans-1,3-Dichloropropene	CT,NH,NY
Ethylbenzene	CT,NH,NY
Hexachlorobutadiene	NH,NY
2-Hexanone (MBK)	CT,NH,NY
Isopropylbenzene (Cumene)	CT,NH,NY
Methylene Chloride	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY
Styrene	CT,NH,NY
1,1,1,2-Tetrachloroethane	CT,NH,NY
1,1,2,2-Tetrachloroethane	CT,NH,NY
Tetrachloroethylene	CT,NH,NY
Toluene	CT,NH,NY
1,2,4-Trichlorobenzene	NH,NY
1,1,1-Trichloroethane	CT,NH,NY
1,1,2-Trichloroethane	CT,NH,NY
Trichloroethylene	CT,NH,NY
Trichlorofluoromethane (Freon 11)	CT,NH,NY
1,2,3-Trichloropropane	NH,NY
1,2,4-Trimethylbenzene	CT,NH,NY
1,3,5-Trimethylbenzene	CT,NH,NY
Vinyl Chloride	CT,NH,NY
m+p Xylene	CT,NH,NY
o-Xylene	CT,NH,NY
SW-846 8270C in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270C in Soil	
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
1,2-Diphenylhydrazine (as Azobenzene)	NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2010
RI	Rhode Island Department of Health	LAO00112	12/30/2009
NC	North Carolina Div. of Water Quality	652	12/31/2009
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	03/23/2010

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CHAIN OF CUSTODY RECORD

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

Company Name: TRC
Address: 650 Suffolk Street
Lowell, MA 01864
Attention: David Sullivan
Project Location: New Bedford, MA
Sampled By: K. Grim

Telephone: (978) 970-5600
Project #
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: DSullivan@-tnsolutions
Format: ☒ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

Proposal Provided? (For Billing purposes)
☐ yes _____ proposal date

State Form Required?
☐ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 09L0267	Date Sampled Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	Total VOCs	Total SVOCs	VPH	EPH	Pesticides	PCBs	RCRA metals 8	Herbicides	# of containers	**Preservation	~Cont. Code
	Sample_1	-01	12/8	1200			S		X	X	X	X	X	X	X	X			
	Sample_2	-02	12/8	1200			S		X	X	X	X	X	X	X	X			

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 12/9/09 1300
Received by: (signature)	Date/Time: 12-9-09 1303
Relinquished by: (signature)	Date/Time: 12-9-09 1810
Received by: (signature) 6°C	Date/Time: 12/9/09 1810

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

Detection Limit Requirements
Regulations? MCP
Data Enhancement Project/RCP? ☐ Y ☐ N
Special Requirements or DL's: MCP
Method 1 S-1

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

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

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

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

Sample Receipt Checklist

CLIENT NAME: TRC RECEIVED BY: JDP DATE: 12/15/09

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank ____ Temperature °C by Temp gun 6°C

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

Who was notified ____ Date ____ Time ____

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

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

Who was notified ____ Date ____ Time ____

8) Location where samples are stored: 19

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

Client Signature: ____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other Bucket	2

Laboratory Comments:

40 mL vials: # HCl ____ # Methanol ____

Bisulfate ____ # DI Water ____ Time and Date Frozen: ____

Thiosulfate ____ Unpreserved ____

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

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Con-Test Analytical Laboratory	Project #:	09L0267
Project Location:	New Bedford, MA	MADEP RTN1[1]:	

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

09L0267-01 thru 09L0267-02

Sample Matrices: Soil

MCP SW-846 Methods Used					
	8260B (X)	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C (X)	8081A (X)	VPH (X)	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 (X)	8021B ( )	EPH (X)	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M -- SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S -- SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☑ Yes	☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☑ Yes	☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
D	VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☑ Yes	☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes	☑ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☑ No[1]

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

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

Signature:	Christopher J. Hall	Position:	Project Chemist Supervisor
Printed Name:	Christopher J. Hall	Date:	12/11/09

Gilson Aspec XL4 Fractionation Check

Silica Gel Lot:	***S212-49***	Vendor:	**PHENOMENEX**
Frac Check Lot:	110309 PJG	Amount of DCM Collected:	5000 µL
Hexane Lot:	49190	Amount of Hexane Collected:	1800 µL
DCM Lot:	DA121		
Acetone Lot:	49170	Data File:	110409 D1104015/D1104016

Compound	Conc. (ppm)	Rec.	% Rec.	Limits
Naphthalene	50	34.608	69%	40-140
2-Methylnaphthalene	50	36.758	74%	40-140
Acenaphthalene	50	39.091	78%	40-140
Acenaphthene	50	37.140	74%	40-140
Fluorene	50	40.427	81%	40-140
Phenanthrene	50	42.167	84%	40-140
Anthracene	50	45.050	90%	40-140
o-Terphenyl (surr.)	50	41.987	84%	40-140
Fluoranthene	50	45.589	91%	40-140
Pyrene	50	47.349	95%	40-140
Benzo(a)anthracene	50	47.330	95%	40-140
Chrysene	50	48.575	97%	40-140
Benzo(b)fluoranthene	50	48.579	97%	40-140
Benzo(k)fluoranthene	50	47.442	95%	40-140
Benzo(a)pyrene	50	46.136	92%	40-140
Indeno(123cd)pyrene	50	45.379	91%	40-140
Dibenzo(ah)anthracene	50	46.058	92%	40-140
Benzo(ghi)perylene	50	46.349	93%	40-140
C9	50	26.223	52%	30-140
C10	50	31.746	63%	40-140
C12	50	34.423	69%	40-140
C14	50	39.479	79%	40-140
C16	50	43.992	88%	40-140
C18	50	47.810	96%	40-140
C19	50	48.635	97%	40-140
C20	50	50.586	101%	40-140
1-Chloro-octadecane (surr.)	50	38.510	77%	40-140
C22	50	51.286	103%	40-140
C24	50	51.409	103%	40-140
C26	50	53.537	107%	40-140
C28	50	52.366	105%	40-140
C30	50	52.300	105%	40-140
C36	50	51.587	103%	40-140
Fractionation Surrogates				
2-Fluorobiphenyl	50	48.999	98%	40-140
2-Bromonaphthalene	50	46.149	92%	40-140
Aliphatic bleed thru			% (<5%)	
Naphthalene	0		**0.000**	
2-Methylnaphthalene	0		**0.000**	

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December 28, 2009

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

Project Location: New Bedford, MA
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 09L0268

Enclosed are results of analyses for samples received by the laboratory on December 9, 2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

REPORT DATE: 12/28/2009

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 09L0268

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

PROJECT LOCATION: New Bedford, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Sample-1	09L0268-01	Product/Solid		SW-846 8151	MA M-MA-086/CT PH-0574/NY11148
Sample-2	09L0268-02	Soil		SW-846 8151	MA M-MA-086/CT PH-0574/NY11148

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CASE NARRATIVE SUMMARY

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

The WG393034-2/-3 recoveries, associated with L0918037-01 and -02, are below the acceptance criteria for Dinoseb (13%/15%), the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated sample are reported; however, all results are considered to have a potentially low bias for this compound.

SW-846 8151

Qualifications:

The WG393034-2/-3 recoveries, associated with L0918037-01 and -02, are below the acceptance criteria for Dinoseb (13%/15%), the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of th

Analyte & Samples(s) Qualified:

Dinoseb

WG393034-BS1, WG393034-BSD1

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

Christopher J. Hall
Project Chemist Supervisor

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0268

Date Received: 12/9/2009

Field Sample #: Sample-1
Sampled: 12/8/2009 12:00

Sample ID: 09L0268-01

Sample Matrix: Product/Solid

Semivolatile Organic Compounds by GC

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
2,4-DB	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
2,4,5-TP (Silvex)	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
2,4,5-T	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
Dalapon	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
Dicamba	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
Dichloroprop	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
Dinoseb	ND	60	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
MCPA	ND	6000	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	
MCPP	ND	6000	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:31	

Surrogates	% Recovery	Recovery Limits	Flag	
DCAA	92	30-150		12/16/09 23:31

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Project Location: New Bedford, MA
Sample Description:
Work Order: 09L0268

Date Received: 12/9/2009

Field Sample #: Sample-2
Sampled: 12/8/2009 12:00

Sample ID: 09L0268-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2,4-D	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
2,4-DB	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
2,4,5-TP (Silvex)	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
2,4,5-T	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
Dalapon	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
Dicamba	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
Dichloroprop	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
Dinoseb	ND	68	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
MCPA	ND	6800	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	
MCPP	ND	6800	µg/Kg	1		SW-846 8151	12/13/09	12/16/09 23:51	

Surrogates	% Recovery	Recovery Limits	Flag	
DCAA	46	30-150		12/16/09 23:51

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QUALITY CONTROL

Semivolatile Organic Compounds by GC - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch WG393034 - SW-846 3540C											
BLK (WG393034-BLK1)				Prepared: 12/13/09 Analyzed: 12/16/09							
2,4-D	ND	65	µg/Kg					-			
2,4-DB	ND	65	µg/Kg					-			
2,4,5-TP (Silvex)	ND	65	µg/Kg					-			
2,4,5-T	ND	65	µg/Kg					-			
Dalapon	ND	65	µg/Kg					-			
Dicamba	ND	65	µg/Kg					-			
Dichloroprop	ND	65	µg/Kg					-			
Dinoseb	ND	65	µg/Kg					-			
MCPA	ND	6500	µg/Kg					-			
MCPP	ND	6500	µg/Kg					-			
BS (WG393034-BS1)				Prepared: 12/13/09 Analyzed: 12/16/09							
2,4-D	69	65	µg/Kg			69		40-140			
2,4-DB	49	65	µg/Kg			49		40-140			
2,4,5-TP (Silvex)	70	65	µg/Kg			70		40-140			
2,4,5-T	67	65	µg/Kg			67		40-140			
Dalapon	68	65	µg/Kg			68		40-140			
Dicamba	67	65	µg/Kg			67		40-140			
Dichloroprop	69	65	µg/Kg			69		40-140			
Dinoseb	13	65	µg/Kg			**13**	*	40-140			Q
MCPA	73	6500	µg/Kg			73		40-140			
MCPP	101	6500	µg/Kg			101		40-140			
BSD (WG393034-BSD1)				Prepared: 12/13/09 Analyzed: 12/16/09							
2,4-D	77	77	µg/Kg			77		40-140			
2,4-DB	52	52	µg/Kg			52		40-140			
2,4,5-TP (Silvex)	74	74	µg/Kg			74		40-140			
2,4,5-T	69	69	µg/Kg			69		40-140			
Dalapon	56	56	µg/Kg			56		40-140			
Dicamba	73	73	µg/Kg			73		40-140			
Dichloroprop	76	76	µg/Kg			76		40-140			
Dinoseb	15	15	µg/Kg			**15**	*	40-140			Q
MCPA	79	79	µg/Kg			79		40-140			
MCPP	107	107	µg/Kg			107		40-140			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
Q	The WG393034-2/-3 recoveries, associated with L0918037-01 and -02, are below the acceptance criteria for Dinoseb (13%/15%), the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of th

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

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

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2010
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2009
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	03/23/2010

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Email: info@contestlabs.com
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CHAIN OF CUSTODY RECORD

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

mpany Name: TRC
dress: 650 Suffolk Street
Lowell, MA 01864
ention: David Sullivan
oject Location: New Bedford, MA
mpled By: K. Grim

Telephone: (978) 970-5600
Project #
Client PO #

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

oposal Provided? (For Billing purposes)
☐ yes _____ proposal date

State Form Required?
☐ yes ☐ no

ANALYSIS REQUESTED

ld ID	Sample Description	Lab # 0960268	Date Sampled Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	Total VOCs	Total SVOCs	VPH	EPH	Pesticides	PCBs	RCRA metals 8	Herbicides	# of containers	**Preservation	~Cont.Code
	Sample_1	-01	12/8	1200			S		X	X	X	X	X	X	X	X			
	Sample_2	-02	12/8	1200			S		X	X	X	X	X	X	X	X			

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

Client Comments:

oratory Comments:

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

inquished by: (signature)	Date/Time: 12/9/09 1300	
ceived by: (signature)	Date/Time: 12-9-09 1303	
inquished by: (signature)	Date/Time: 12-9-09 1810	
ceived by: (signature) 6°C	Date/Time: 12/9/09 1810	

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

Detection Limit Requirements
Regulations? MCP
Data Enhancement Project/RCP? ☐ Y ☐ N
Special Requirements or DL's: MCP
Method 1 S-1

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

****Preservation Codes:**
I = Iced
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
CORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE

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

Sample Receipt Checklist

CLIENT NAME: TRC RECEIVED BY: JDP DATE: 12/15/09

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 6°C

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

Who was notified _____ Date _____ Time _____

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

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other Bucket	2

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

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

Project Name:	09L0268	**Lab Number:**	L0918037
Project Number:	Not Specified	**Report Date:**	12/28/09

MADEP MCP Response Action Analytical Report Certification

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

An affirmative response to questions A, B, C & D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?	YES
B	Were all QA/QC procedures required for the specified analytical methods(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	YES
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	YES
D	VPH and EPH methods only: Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?	N/A

A response to questions E and F is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified method(s) achieved?	NO
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	YES

For any questions answered "No", please refer to the case narrative section on the following page(s).

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

Project Name: 09L0268 **Lab Number:** L0918037
Project Number: Not Specified **Report Date:** 12/28/09

Case Narrative

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

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

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

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

MCP Related Narratives

Herbicides

In reference to question E:

The WG393034-2/-3 LCS/LCSD recoveries, associated with L0918037-01 and -02, are below the acceptance criteria for Dinoseb (13%/15%); however, the recoveries are due to a noted method interference caused by the hydrolysis step of the extraction procedure. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 12/28/09

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February 16, 2010

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

Project Location: Payne Cutlery, New Bedford, MA
Client Job Number:
Project Number: 172744 Phase 2
Laboratory Work Order Number: 10B0225

Enclosed are results of analyses for samples received by the laboratory on February 9, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

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

REPORT DATE: 2/16/2010

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 172744 Phase 2

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10B0225

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

PROJECT LOCATION: Payne Cutlery, New Bedford, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SPL-1	10B0225-01	Soil	Stockpile Soil for Characterization	SM 2540G	
				SM18-20 2510B	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8082	
				SW-846 8100 Modified	
				SW-846 8260B	
				SW-846 8270C	
TB	10B0225-02	Soil		SW-846 8260B	

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CASE NARRATIVE SUMMARY

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

For method 6010, only RCRA 8 metals were requested and reported.

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SW-846 8260B

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Trichlorofluoromethane (Freon 11)

B010269-BS1, B010269-BSD1

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

Analyte & Samples(s) Qualified:

Methylene Chloride

B010347-BLK1, B010347-BS1, B010347-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,1-Dichloroethylene

B010269-BSD1

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

Analyte & Samples(s) Qualified:

Chloroethane

B010347-BLK1, B010347-BS1, B010347-BSD1

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

Analyte & Samples(s) Qualified:

Methylene Chloride

B010347-BLK1, B010347-BS1, B010347-BSD1

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

Analyte & Samples(s) Qualified:

Acetone, Dichlorodifluoromethane (Freon 12), Methylene Chloride

B010269-BS1, B010269-BSD1, B010347-BS1, B010347-BSD1

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

Analyte & Samples(s) Qualified:

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

10B0225-01[SPL-1], 10B0225-02[TB], B010269-BLK1, B010269-BS1, B010269-BSD1, B010347-BLK1, B010347-BS1, B010347-BSD1

SW-846 8270C

Qualifications:

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

B010357-BS1, B010357-BSD1

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

Analyte & Samples(s) Qualified:

2,4-Dinitrophenol

10B0225-01[SPL-1], B010357-BLK1

SW-846 8260B

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where recovery control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, tert-butyl alcohol, acetone, 1,4-dioxane, vinyl chloride, chloromethane, dichlorodifluoromethane, 2-hexanone, naphthalene, methylene chloride, and tert-butylbenzene.

Laboratory control sample recoveries for required MCP Data Enhancement 8260 compounds were all within limits specified by the method except for "difficult analytes" where recovery control limits somewhere between 40-160% are used and/or unless otherwise listed in this narrative. Difficult analytes: MIBK, MEK, tert-butyl alcohol, acetone, 1,4-dioxane, vinyl chloride, chloromethane, dichlorodifluoromethane, 2-hexanone, naphthalene, methylene chloride, and tert-butylbenzene, bromomethane.

Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for "difficult analytes" where RPDs of 50% are used and/or unless otherwise listed in this narrative. Difficult analyte: 1,4-dioxane

SW-846 8270C

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for "difficult analytes" listed below and/or otherwise listed in this narrative. Difficult analytes for soil LCS - limits between 10 and 180% depending on the compound(see QC summary report for limits): 3,3'-dichlorobenzidine, aniline, 2,4-dinitrophenol, and 4-chloroaniline.

Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for "difficult analytes" where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative. Difficult analytes for soil RPDs: 3,3'-dichlorobenzidine, 4-nitrophenol, and aniline.

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

Michael A. Erickson
Laboratory Director

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

Project Location: Payne Cutlery, New Bedford, Sample Description: Stockpile Soil for Characterization Work Order: 10B0225

Date Received: 2/9/2010

Field Sample #: SPL-1 Sampled: 2/9/2010 08:40

Sample ID: 10B0225-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.053	mg/Kg dry	1	V-16	SW-846 8260B	2/10/10	2/10/10 11:19	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00053	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Benzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Bromobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Bromochloromethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Bromodichloromethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Bromoform	ND	0.0053	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Bromomethane	ND	0.0053	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
2-Butanone (MEK)	ND	0.021	mg/Kg dry	1	V-16	SW-846 8260B	2/10/10	2/10/10 11:19	MFF
n-Butylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
sec-Butylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
tert-Butylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00053	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Carbon Disulfide	ND	0.0032	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Carbon Tetrachloride	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Chlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Chlorodibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Chloroethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Chloroform	ND	0.0021	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Chloromethane	ND	0.0053	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
2-Chlorotoluene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
4-Chlorotoluene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,2-Dibromoethane (EDB)	ND	0.00053	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Dibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,2-Dichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,3-Dichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,4-Dichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,1-Dichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,2-Dichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,1-Dichloroethylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
cis-1,2-Dichloroethylene	0.0031	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
trans-1,2-Dichloroethylene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,2-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,3-Dichloropropane	ND	0.00053	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
2,2-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,1-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
cis-1,3-Dichloropropene	ND	0.00053	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
trans-1,3-Dichloropropene	ND	0.00053	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Diethyl Ether	ND	0.011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Diisopropyl Ether (DIPE)	ND	0.00053	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,4-Dioxane	ND	0.053	mg/Kg dry	1	V-16	SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Ethylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF

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Project Location: Payne Cutlery, New Bedford, Sample Description: Stockpile Soil for Characterization Work Order: 10B0225

Date Received: 2/9/2010

Field Sample #: SPL-1 Sampled: 2/9/2010 08:40

Sample ID: 10B0225-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
2-Hexanone (MBK)	ND	0.011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Isopropylbenzene (Cumene)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0021	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Methylene Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Naphthalene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
n-Propylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Styrene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,1,1,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.00053	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Tetrachloroethylene	0.0053	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Tetrahydrofuran	ND	0.0053	mg/Kg dry	1	V-16	SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Toluene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,2,3-Trichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,2,4-Trichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,1,1-Trichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,1,2-Trichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Trichloroethylene	37	2.4	mg/Kg dry	10		SW-846 8260B	2/11/10	2/11/10 14:00	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0053	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,2,3-Trichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,2,4-Trimethylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
1,3,5-Trimethylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
Vinyl Chloride	ND	0.0053	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
m+p Xylene	ND	0.0021	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF
o-Xylene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	2/10/10	2/10/10 11:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	103	70-130		2/10/10 11:19
1,2-Dichloroethane-d4	110	70-130		2/11/10 14:00
Toluene-d8	119	70-130		2/11/10 14:00
Toluene-d8	103	70-130		2/10/10 11:19
4-Bromofluorobenzene	97.9	70-130		2/10/10 11:19
4-Bromofluorobenzene	108	70-130		2/11/10 14:00

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

Project Location: Payne Cutlery, New Bedford, Sample Description: Stockpile Soil for Characterization Work Order: 10B0225

Date Received: 2/9/2010

Field Sample #: SPL-1 Sampled: 2/9/2010 08:40

Sample ID: 10B0225-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Acenaphthylene	ND	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Acetophenone	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Aniline	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Anthracene	ND	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Benzo(a)anthracene	0.57	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Benzo(a)pyrene	0.49	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Benzo(b)fluoranthene	0.54	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Benzo(g,h,i)perylene	ND	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Benzo(k)fluoranthene	ND	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Bis(2-chloroethoxy)methane	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Bis(2-chloroethyl)ether	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Bis(2-chloroisopropyl)ether	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
4-Bromophenylphenylether	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Butylbenzylphthalate	ND	1.4	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
4-Chloroaniline	ND	1.4	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
2-Chloronaphthalene	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
2-Chlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Chrysene	0.63	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Dibenz(a,h)anthracene	ND	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Dibenzofuran	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Di-n-butylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
1,2-Dichlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
1,3-Dichlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
1,4-Dichlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
3,3-Dichlorobenzidine	ND	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
2,4-Dichlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Diethylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
2,4-Dimethylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Dimethylphthalate	ND	1.4	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
2,4-Dinitrophenol	ND	1.4	mg/Kg dry	1	R-05	SW-846 8270C	2/11/10	2/12/10 15:33	BGL
2,4-Dinitrotoluene	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
2,6-Dinitrotoluene	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Di-n-octylphthalate	ND	1.4	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Fluoranthene	1.2	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Fluorene	ND	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Hexachlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Hexachlorobutadiene	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Hexachloroethane	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Indeno(1,2,3-cd)pyrene	0.47	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Isophorone	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
2-Methylnaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL

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

Project Location: Payne Cutlery, New Bedford, Sample Description: Stockpile Soil for Characterization Work Order: 10B0225

Date Received: 2/9/2010

Field Sample #: SPL-1 Sampled: 2/9/2010 08:40

Sample ID: 10B0225-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
3/4-Methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Naphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Nitrobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
2-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
4-Nitrophenol	ND	1.4	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Pentachlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Phenanthrene	0.75	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Phenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
Pyrene	1.1	0.37	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
1,2,4-Trichlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
2,4,5-Trichlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL
2,4,6-Trichlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	2/11/10	2/12/10 15:33	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	87.2	30-130		2/12/10 15:33
Phenol-d6	82.8	30-130		2/12/10 15:33
Nitrobenzene-d5	79.1	30-130		2/12/10 15:33
2-Fluorobiphenyl	80.4	30-130		2/12/10 15:33
2,4,6-Tribromophenol	94.4	30-130		2/12/10 15:33
Terphenyl-d14	89.0	30-130		2/12/10 15:33

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

Project Location: Payne Cutlery, New Bedford, Sample Description: Stockpile Soil for Characterization Work Order: 10B0225

Date Received: 2/9/2010

Field Sample #: SPL-1 Sampled: 2/9/2010 08:40

Sample ID: 10B0225-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	2/11/10	2/13/10 6:20	JB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	2/11/10	2/13/10 6:20	JB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	2/11/10	2/13/10 6:20	JB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	2/11/10	2/13/10 6:20	JB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	2/11/10	2/13/10 6:20	JB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	2/11/10	2/13/10 6:20	JB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	2/11/10	2/13/10 6:20	JB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	2/11/10	2/13/10 6:20	JB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	2/11/10	2/13/10 6:20	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	85.9	30-150		2/13/10 6:20
Decachlorobiphenyl [2]	76.3	30-150		2/13/10 6:20
Tetrachloro-m-xylene [1]	96.8	30-150		2/13/10 6:20
Tetrachloro-m-xylene [2]	79.7	30-150		2/13/10 6:20

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

Project Location: Payne Cutlery, New Bedford, Sample Description: Stockpile Soil for Characterization Work Order: 10B0225

Date Received: 2/9/2010

Field Sample #: SPL-1 Sampled: 2/9/2010 08:40

Sample ID: 10B0225-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH as Diesel	60	18	mg/Kg dry	1		SW-846 8100 Modified	2/11/10	2/15/10 13:40	CJM

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Project Location: Payne Cutlery, New Bedford, Sample Description: Stockpile Soil for Characterization Work Order: 10B0225

Date Received: 2/9/2010

Field Sample #: SPL-1 Sampled: 2/9/2010 08:40

Sample ID: 10B0225-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	2.6	2.6	mg/Kg dry	1		SW-846 6010B	2/11/10	2/15/10 10:42	KSH
Barium	78	5.2	mg/Kg dry	1		SW-846 6010B	2/11/10	2/12/10 14:37	OP
Cadmium	ND	0.26	mg/Kg dry	1		SW-846 6010B	2/11/10	2/12/10 14:37	OP
Chromium	30	0.52	mg/Kg dry	1		SW-846 6010B	2/11/10	2/12/10 14:37	OP
Lead	46	0.78	mg/Kg dry	1		SW-846 6010B	2/11/10	2/12/10 14:37	OP
Mercury	0.028	0.020	mg/Kg dry	1		SW-846 7471A	2/11/10	2/12/10 9:37	MPF
Selenium	ND	5.2	mg/Kg dry	1		SW-846 6010B	2/11/10	2/12/10 14:37	OP
Silver	ND	0.52	mg/Kg dry	1		SW-846 6010B	2/11/10	2/12/10 14:37	OP

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

Project Location: Payne Cutlery, New Bedford, Sample Description: Stockpile Soil for Characterization Work Order: 10B0225

Date Received: 2/9/2010

Field Sample #: SPL-1 Sampled: 2/9/2010 08:40

Sample ID: 10B0225-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Specific conductance	6.4	2.0	µmhos/cm	1		SM18-20 2510B	2/12/10	2/12/10 11:41	NH
% Solids	93.0		% Wt	1		SM 2540G	2/11/10	2/12/10 8:58	NH

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

Project Location: Payne Cutlery, New Bedford, Sample Description: Work Order: 10B0225

Date Received: 2/9/2010

Field Sample #: TB Sampled: 2/9/2010 08:40

Sample ID: 10B0225-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg wet	1	V-16	SW-846 8260B	2/10/10	2/10/10 10:52	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Bromochloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Bromoform	ND	0.010	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1	V-16	SW-846 8260B	2/10/10	2/10/10 10:52	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Chlorodibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Diethyl Ether	ND	0.020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,4-Dioxane	ND	0.10	mg/Kg wet	1	V-16	SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF

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

Project Location: Payne Cutlery, New Bedford, Sample Description: Work Order: 10B0225

Date Received: 2/9/2010

Field Sample #: TB Sampled: 2/9/2010 08:40

Sample ID: 10B0225-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1	V-16	SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	2/10/10	2/10/10 10:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	100	70-130		2/10/10 10:52
Toluene-d8	102	70-130		2/10/10 10:52
4-Bromofluorobenzene	97.0	70-130		2/10/10 10:52

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10B0225-01 [SPL-1]	B010326	02/11/10

SM18-20 2510B

Lab Number [Field ID]	Batch	Initial [g]	Date
10B0225-01 [SPL-1]	B010386	1	02/12/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10B0225-01 [SPL-1]	B010358	1.0319	50	02/11/10

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10B0225-01 [SPL-1]	B010340	0.1339	25	02/11/10

Prep Method: SW-846 3546-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10B0225-01 [SPL-1]	B010344	10	50	02/11/10

Prep Method: SW-846 3546-SW-846 8100 Modified

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10B0225-01 [SPL-1]	B010356	30	2	02/11/10

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10B0225-01 [SPL-1]	B010269	10.2	10	02/10/10
10B0225-02 [TB]	B010269	5	10	02/10/10

Prep Method: SW-846 5035/5030B-SW-846 8260B

Lab Number [Field ID]	Batch	Sample Amount(g)	Methanol Volume(mL)	Methanol Aliquot(mL)	Final Volume(mL)	Date
10B0225-01 [SPL-1]	B010347	15.3	17.07	0.05	100	02/11/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10B0225-01 [SPL-1]	B010357	30	2	02/11/10

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B010269 - SW-846 5035										
Blank (B010269-BLK1)				Prepared & Analyzed: 02/10/10						
Acetone	ND	0.10	mg/Kg wet							V-16
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.010	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							V-16
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0020	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							V-16
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B010269 - SW-846 5035											
Blank (B010269-BLK1)				Prepared & Analyzed: 02/10/10							
n-Propylbenzene	ND	0.0020	mg/Kg wet								
Styrene	ND	0.0020	mg/Kg wet								
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet								
Tetrachloroethylene	ND	0.0020	mg/Kg wet								
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16	
Toluene	ND	0.0020	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet								
Trichloroethylene	ND	0.0020	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet								
Vinyl Chloride	ND	0.010	mg/Kg wet								
m+p Xylene	ND	0.0040	mg/Kg wet								
o-Xylene	ND	0.0020	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0501*		mg/Kg wet	0.0500		100	70-130				
Surrogate: Toluene-d8	*0.0519*		mg/Kg wet	0.0500		104	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0483*		mg/Kg wet	0.0500		96.6	70-130				
LCS (B010269-BS1)				Prepared & Analyzed: 02/10/10							
Acetone	0.238	0.10	mg/Kg wet	0.200		119	70-160			V-06, V-16	†
tert-Amyl Methyl Ether (TAME)	0.0198	0.0010	mg/Kg wet	0.0200		99.2	70-130				
Benzene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130				
Bromobenzene	0.0199	0.0020	mg/Kg wet	0.0200		99.4	70-130				
Bromochloromethane	0.0221	0.0020	mg/Kg wet	0.0200		110	70-130				
Bromodichloromethane	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130				
Bromoform	0.0171	0.010	mg/Kg wet	0.0200		85.6	70-130				
Bromomethane	0.0225	0.010	mg/Kg wet	0.0200		113	40-130				†
2-Butanone (MEK)	0.215	0.040	mg/Kg wet	0.200		108	70-160			V-16	†
n-Butylbenzene	0.0217	0.0020	mg/Kg wet	0.0200		108	70-130				
sec-Butylbenzene	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130				
tert-Butylbenzene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-160				†
tert-Butyl Ethyl Ether (TBEE)	0.0201	0.0010	mg/Kg wet	0.0200		100	70-130				
Carbon Disulfide	0.0228	0.0060	mg/Kg wet	0.0200		114	70-130				
Carbon Tetrachloride	0.0167	0.0020	mg/Kg wet	0.0200		83.6	70-130				
Chlorobenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130				
Chlorodibromomethane	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130				
Chloroethane	0.0240	0.020	mg/Kg wet	0.0200		120	70-130				
Chloroform	0.0211	0.0040	mg/Kg wet	0.0200		105	70-130				
Chloromethane	0.0216	0.010	mg/Kg wet	0.0200		108	70-130				
2-Chlorotoluene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130				
4-Chlorotoluene	0.0206	0.0020	mg/Kg wet	0.0200		103	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0164	0.0020	mg/Kg wet	0.0200		81.8	70-130				
1,2-Dibromoethane (EDB)	0.0223	0.0010	mg/Kg wet	0.0200		111	70-130				
Dibromomethane	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130				
1,2-Dichlorobenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130				
1,3-Dichlorobenzene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130				
1,4-Dichlorobenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B010269 - SW-846 5035												
LCS (B010269-BS1)				Prepared & Analyzed: 02/10/10								
Dichlorodifluoromethane (Freon 12)	0.0261	0.020	mg/Kg wet	0.0200		130		40-160				†
1,1-Dichloroethane	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130				
1,2-Dichloroethane	0.0211	0.0020	mg/Kg wet	0.0200		105		70-130				
1,1-Dichloroethylene	0.0255	0.0040	mg/Kg wet	0.0200		128		70-130				
cis-1,2-Dichloroethylene	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130				
trans-1,2-Dichloroethylene	0.0219	0.0020	mg/Kg wet	0.0200		109		70-130				
1,2-Dichloropropane	0.0207	0.0020	mg/Kg wet	0.0200		103		70-130				
1,3-Dichloropropane	0.0216	0.0010	mg/Kg wet	0.0200		108		70-130				
2,2-Dichloropropane	0.0156	0.0020	mg/Kg wet	0.0200		78.0		70-130				
1,1-Dichloropropene	0.0222	0.0020	mg/Kg wet	0.0200		111		70-130				
cis-1,3-Dichloropropene	0.0195	0.0010	mg/Kg wet	0.0200		97.7		70-130				
trans-1,3-Dichloropropene	0.0192	0.0010	mg/Kg wet	0.0200		96.1		70-130				
Diethyl Ether	0.0235	0.020	mg/Kg wet	0.0200		118		70-130				
Diisopropyl Ether (DIPE)	0.0209	0.0010	mg/Kg wet	0.0200		105		70-130				
1,4-Dioxane	0.200	0.10	mg/Kg wet	0.200		99.8		40-160			V-16	†
Ethylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130				
Hexachlorobutadiene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-160				
2-Hexanone (MBK)	0.200	0.020	mg/Kg wet	0.200		99.8		70-160				†
Isopropylbenzene (Cumene)	0.0244	0.0020	mg/Kg wet	0.0200		122		70-130				
p-Isopropyltoluene (p-Cymene)	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130				
Methyl tert-Butyl Ether (MTBE)	0.0206	0.0040	mg/Kg wet	0.0200		103		70-130				
Methylene Chloride	0.0255	0.020	mg/Kg wet	0.0200		127		40-160			V-06	†
4-Methyl-2-pentanone (MIBK)	0.207	0.020	mg/Kg wet	0.200		103		70-160				†
Naphthalene	0.0187	0.0040	mg/Kg wet	0.0200		93.7		40-130				†
n-Propylbenzene	0.0217	0.0020	mg/Kg wet	0.0200		108		70-130				
Styrene	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130				
1,1,1,2-Tetrachloroethane	0.0179	0.0020	mg/Kg wet	0.0200		89.7		70-130				
1,1,2,2-Tetrachloroethane	0.0221	0.0010	mg/Kg wet	0.0200		110		70-130				
Tetrachloroethylene	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130				
Tetrahydrofuran	0.0223	0.010	mg/Kg wet	0.0200		111		70-130			V-16	
Toluene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130				
1,2,3-Trichlorobenzene	0.0185	0.0020	mg/Kg wet	0.0200		92.4		70-130				
1,2,4-Trichlorobenzene	0.0189	0.0020	mg/Kg wet	0.0200		94.5		70-130				
1,1,1-Trichloroethane	0.0191	0.0020	mg/Kg wet	0.0200		95.5		70-130				
1,1,2-Trichloroethane	0.0224	0.0020	mg/Kg wet	0.0200		112		70-130				
Trichloroethylene	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130				
Trichlorofluoromethane (Freon 11)	0.0269	0.010	mg/Kg wet	0.0200		**134**	*	70-130			L-02	
1,2,3-Trichloropropane	0.0168	0.0020	mg/Kg wet	0.0200		83.8		70-130				
1,2,4-Trimethylbenzene	0.0211	0.0020	mg/Kg wet	0.0200		105		70-130				
1,3,5-Trimethylbenzene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130				
Vinyl Chloride	0.0226	0.010	mg/Kg wet	0.0200		113		40-130				†
m+p Xylene	0.0418	0.0040	mg/Kg wet	0.0400		105		70-130				
o-Xylene	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0516*		mg/Kg wet	0.0500		103		70-130				
Surrogate: Toluene-d8	*0.0516*		mg/Kg wet	0.0500		103		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0484*		mg/Kg wet	0.0500		96.9		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B010269 - SW-846 5035												
LCS Dup (B010269-BSD1)				Prepared & Analyzed: 02/10/10								
Acetone	0.237	0.10	mg/Kg wet	0.200		118		70-160	0.707	25	V-06, V-16	†
tert-Amyl Methyl Ether (TAME)	0.0205	0.0010	mg/Kg wet	0.0200		103		70-130	3.47	25		
Benzene	0.0225	0.0020	mg/Kg wet	0.0200		112		70-130	4.46	25		
Bromobenzene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130	5.57	25		
Bromochloromethane	0.0233	0.0020	mg/Kg wet	0.0200		116		70-130	5.38	25		
Bromodichloromethane	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130	3.63	25		
Bromoform	0.0173	0.010	mg/Kg wet	0.0200		86.6		70-130	1.16	25		
Bromomethane	0.0232	0.010	mg/Kg wet	0.0200		116		40-130	2.80	25		†
2-Butanone (MEK)	0.225	0.040	mg/Kg wet	0.200		112		70-160	4.52	25	V-16	†
n-Butylbenzene	0.0226	0.0020	mg/Kg wet	0.0200		113		70-130	4.06	25		
sec-Butylbenzene	0.0225	0.0020	mg/Kg wet	0.0200		112		70-130	0.894	25		
tert-Butylbenzene	0.0213	0.0020	mg/Kg wet	0.0200		107		70-160	1.04	25		†
tert-Butyl Ethyl Ether (TBEE)	0.0214	0.0010	mg/Kg wet	0.0200		107		70-130	6.17	25		
Carbon Disulfide	0.0233	0.0060	mg/Kg wet	0.0200		117		70-130	2.08	25		
Carbon Tetrachloride	0.0171	0.0020	mg/Kg wet	0.0200		85.6		70-130	2.36	25		
Chlorobenzene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130	3.62	25		
Chlorodibromomethane	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130	1.07	25		
Chloroethane	0.0242	0.020	mg/Kg wet	0.0200		121		70-130	0.581	25		
Chloroform	0.0224	0.0040	mg/Kg wet	0.0200		112		70-130	6.16	25		
Chloromethane	0.0214	0.010	mg/Kg wet	0.0200		107		70-130	0.836	25		
2-Chlorotoluene	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130	5.28	25		
4-Chlorotoluene	0.0217	0.0020	mg/Kg wet	0.0200		109		70-130	5.19	25		
1,2-Dibromo-3-chloropropane (DBCP)	0.0176	0.0020	mg/Kg wet	0.0200		88.0		70-130	7.30	25		
1,2-Dibromoethane (EDB)	0.0225	0.0010	mg/Kg wet	0.0200		113		70-130	1.16	25		
Dibromomethane	0.0225	0.0020	mg/Kg wet	0.0200		113		70-130	4.63	25		
1,2-Dichlorobenzene	0.0211	0.0020	mg/Kg wet	0.0200		105		70-130	4.86	25		
1,3-Dichlorobenzene	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130	0.893	25		
1,4-Dichlorobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130	2.06	25		
Dichlorodifluoromethane (Freon 12)	0.0275	0.020	mg/Kg wet	0.0200		138		40-160	5.22	25		†
1,1-Dichloroethane	0.0219	0.0020	mg/Kg wet	0.0200		110		70-130	4.29	25		
1,2-Dichloroethane	0.0215	0.0020	mg/Kg wet	0.0200		108		70-130	2.07	25		
1,1-Dichloroethylene	0.0263	0.0040	mg/Kg wet	0.0200		**131**	*	70-130	2.86	25	L-07	
cis-1,2-Dichloroethylene	0.0227	0.0020	mg/Kg wet	0.0200		113		70-130	3.87	25		
trans-1,2-Dichloroethylene	0.0221	0.0020	mg/Kg wet	0.0200		110		70-130	1.00	25		
1,2-Dichloropropane	0.0217	0.0020	mg/Kg wet	0.0200		109		70-130	4.91	25		
1,3-Dichloropropane	0.0220	0.0010	mg/Kg wet	0.0200		110		70-130	2.02	25		
2,2-Dichloropropane	0.0164	0.0020	mg/Kg wet	0.0200		82.1		70-130	5.12	25		
1,1-Dichloropropene	0.0232	0.0020	mg/Kg wet	0.0200		116		70-130	4.32	25		
cis-1,3-Dichloropropene	0.0197	0.0010	mg/Kg wet	0.0200		98.4		70-130	0.714	25		
trans-1,3-Dichloropropene	0.0195	0.0010	mg/Kg wet	0.0200		97.7		70-130	1.65	25		
Diethyl Ether	0.0245	0.020	mg/Kg wet	0.0200		122		70-130	4.00	25		
Diisopropyl Ether (DIPE)	0.0221	0.0010	mg/Kg wet	0.0200		110		70-130	5.40	25		
1,4-Dioxane	0.190	0.10	mg/Kg wet	0.200		94.8		40-160	5.22	50	V-16	† ‡
Ethylbenzene	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130	3.42	25		
Hexachlorobutadiene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-160	5.82	25		
2-Hexanone (MBK)	0.203	0.020	mg/Kg wet	0.200		101		70-160	1.67	25		†
Isopropylbenzene (Cumene)	0.0254	0.0020	mg/Kg wet	0.0200		127		70-130	4.26	25		
p-Isopropyltoluene (p-Cymene)	0.0226	0.0020	mg/Kg wet	0.0200		113		70-130	3.42	25		
Methyl tert-Butyl Ether (MTBE)	0.0215	0.0040	mg/Kg wet	0.0200		108		70-130	4.47	25		
Methylene Chloride	0.0276	0.020	mg/Kg wet	0.0200		138		40-160	7.92	25	V-06	†
4-Methyl-2-pentanone (MIBK)	0.210	0.020	mg/Kg wet	0.200		105		70-160	1.75	25		†
Naphthalene	0.0213	0.0040	mg/Kg wet	0.0200		106		40-130	12.7	25		†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B010269 - SW-846 5035												
LCS Dup (B010269-BSD1)				Prepared & Analyzed: 02/10/10								
n-Propylbenzene	0.0230	0.0020	mg/Kg wet	0.0200		115		70-130	5.91	25		
Styrene	0.0219	0.0020	mg/Kg wet	0.0200		110		70-130	6.69	25		
1,1,1,2-Tetrachloroethane	0.0188	0.0020	mg/Kg wet	0.0200		94.2		70-130	4.89	25		
1,1,2,2-Tetrachloroethane	0.0230	0.0010	mg/Kg wet	0.0200		115		70-130	4.08	25		
Tetrachloroethylene	0.0224	0.0020	mg/Kg wet	0.0200		112		70-130	1.53	25		
Tetrahydrofuran	0.0224	0.010	mg/Kg wet	0.0200		112		70-130	0.537	25	V-16	
Toluene	0.0215	0.0020	mg/Kg wet	0.0200		107		70-130	2.17	25		
1,2,3-Trichlorobenzene	0.0200	0.0020	mg/Kg wet	0.0200		99.8		70-130	7.70	25		
1,2,4-Trichlorobenzene	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130	7.93	25		
1,1,1-Trichloroethane	0.0198	0.0020	mg/Kg wet	0.0200		98.8		70-130	3.40	25		
1,1,2-Trichloroethane	0.0224	0.0020	mg/Kg wet	0.0200		112		70-130	0.179	25		
Trichloroethylene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130	6.61	25		
Trichlorofluoromethane (Freon 11)	0.0278	0.010	mg/Kg wet	0.0200		**139**	*	70-130	3.29	25	L-02	
1,2,3-Trichloropropane	0.0175	0.0020	mg/Kg wet	0.0200		87.4		70-130	4.21	25		
1,2,4-Trimethylbenzene	0.0211	0.0020	mg/Kg wet	0.0200		106		70-130	0.285	25		
1,3,5-Trimethylbenzene	0.0222	0.0020	mg/Kg wet	0.0200		111		70-130	5.65	25		
Vinyl Chloride	0.0232	0.010	mg/Kg wet	0.0200		116		40-130	2.44	25		†
m+p Xylene	0.0439	0.0040	mg/Kg wet	0.0400		110		70-130	4.90	25		
o-Xylene	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130	7.16	25		
Surrogate: 1,2-Dichloroethane-d4	*0.0512*		mg/Kg wet	0.0500		102		70-130				
Surrogate: Toluene-d8	*0.0505*		mg/Kg wet	0.0500		101		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0495*		mg/Kg wet	0.0500		99.1		70-130				
Batch B010347 - SW-846 5035/5030B												
Blank (B010347-BLK1)				Prepared & Analyzed: 02/11/10								
Acetone	ND	11	mg/Kg wet								V-16	
tert-Amyl Methyl Ether (TAME)	ND	0.11	mg/Kg wet									
Benzene	ND	0.21	mg/Kg wet									
Bromobenzene	ND	0.21	mg/Kg wet									
Bromochloromethane	ND	0.21	mg/Kg wet									
Bromodichloromethane	ND	2.1	mg/Kg wet									
Bromoform	ND	2.1	mg/Kg wet									
Bromomethane	ND	2.1	mg/Kg wet									
2-Butanone (MEK)	ND	4.3	mg/Kg wet									
n-Butylbenzene	ND	0.21	mg/Kg wet									
sec-Butylbenzene	ND	0.21	mg/Kg wet									
tert-Butylbenzene	ND	0.21	mg/Kg wet									
tert-Butyl Ethyl Ether (TBEE)	ND	0.11	mg/Kg wet									
Carbon Disulfide	ND	2.1	mg/Kg wet									
Carbon Tetrachloride	ND	2.1	mg/Kg wet									
Chlorobenzene	ND	0.21	mg/Kg wet									
Chlorodibromomethane	ND	2.1	mg/Kg wet									
Chloroethane	ND	0.43	mg/Kg wet								R-05	
Chloroform	ND	0.43	mg/Kg wet									
Chloromethane	ND	0.43	mg/Kg wet									
2-Chlorotoluene	ND	0.21	mg/Kg wet									
4-Chlorotoluene	ND	0.21	mg/Kg wet									
1,2-Dibromo-3-chloropropane (DBCP)	ND	1.1	mg/Kg wet									
1,2-Dibromoethane (EDB)	ND	0.11	mg/Kg wet									
Dibromomethane	ND	0.21	mg/Kg wet									
1,2-Dichlorobenzene	ND	0.21	mg/Kg wet									
1,3-Dichlorobenzene	ND	0.21	mg/Kg wet									

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B010347 - SW-846 5035/5030B										
Blank (B010347-BLK1)				Prepared & Analyzed: 02/11/10						
1,4-Dichlorobenzene	ND	0.21	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.43	mg/Kg wet							
1,1-Dichloroethane	ND	0.21	mg/Kg wet							
1,2-Dichloroethane	ND	0.21	mg/Kg wet							
1,1-Dichloroethylene	ND	0.21	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.21	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.21	mg/Kg wet							
1,2-Dichloropropane	ND	0.21	mg/Kg wet							
1,3-Dichloropropane	ND	0.11	mg/Kg wet							
2,2-Dichloropropane	ND	0.21	mg/Kg wet							
1,1-Dichloropropene	ND	0.43	mg/Kg wet							
cis-1,3-Dichloropropene	ND	2.1	mg/Kg wet							
trans-1,3-Dichloropropene	ND	2.1	mg/Kg wet							
Diethyl Ether	ND	0.43	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.11	mg/Kg wet							
1,4-Dioxane	ND	21	mg/Kg wet							V-16
Ethylbenzene	ND	0.21	mg/Kg wet							
Hexachlorobutadiene	ND	0.43	mg/Kg wet							
2-Hexanone (MBK)	ND	21	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.21	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.21	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.21	mg/Kg wet							
Methylene Chloride	ND	4.3	mg/Kg wet							L-04, V-05
4-Methyl-2-pentanone (MIBK)	ND	2.1	mg/Kg wet							
Naphthalene	ND	2.1	mg/Kg wet							
n-Propylbenzene	ND	0.21	mg/Kg wet							
Styrene	ND	0.21	mg/Kg wet							
1,1,1,2-Tetrachloroethane	ND	2.1	mg/Kg wet							
1,1,2,2-Tetrachloroethane	ND	0.11	mg/Kg wet							
Tetrachloroethylene	ND	0.21	mg/Kg wet							
Tetrahydrofuran	ND	2.1	mg/Kg wet							
Toluene	ND	0.21	mg/Kg wet							
1,2,3-Trichlorobenzene	ND	1.1	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.21	mg/Kg wet							
1,1,1-Trichloroethane	ND	0.21	mg/Kg wet							
1,1,2-Trichloroethane	ND	0.21	mg/Kg wet							
Trichloroethylene	ND	0.21	mg/Kg wet							
Trichlorofluoromethane (Freon 11)	ND	0.43	mg/Kg wet							
1,2,3-Trichloropropane	ND	0.43	mg/Kg wet							
1,2,4-Trimethylbenzene	ND	0.21	mg/Kg wet							
1,3,5-Trimethylbenzene	ND	0.21	mg/Kg wet							
Vinyl Chloride	ND	0.43	mg/Kg wet							
m+p Xylene	ND	0.43	mg/Kg wet							
o-Xylene	ND	0.21	mg/Kg wet							
Surrogate: 1,2-Dichloroethane-d4	*4.70*		mg/Kg wet	5.33		88.2	70-130			
Surrogate: Toluene-d8	*4.98*		mg/Kg wet	5.33		93.4	70-130			
Surrogate: 4-Bromofluorobenzene	*4.90*		mg/Kg wet	5.33		91.8	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B010347 - SW-846 5035/5030B												
LCS (B010347-BS1)				Prepared & Analyzed: 02/11/10								
Acetone	19.5	11	mg/Kg wet	22.7		86.0		70-160			V-16	†
tert-Amyl Methyl Ether (TAME)	2.09	0.11	mg/Kg wet	2.27		92.4		70-130				
Benzene	2.20	0.23	mg/Kg wet	2.27		96.9		70-130				
Bromobenzene	2.40	0.23	mg/Kg wet	2.27		106		70-130				
Bromochloromethane	2.21	0.23	mg/Kg wet	2.27		97.7		70-130				
Bromodichloromethane	2.04	2.3	mg/Kg wet	2.27		89.8		70-130				
Bromoform	2.05	2.3	mg/Kg wet	2.27		90.5		70-130				
Bromomethane	1.75	2.3	mg/Kg wet	2.27		77.0		40-160				†
2-Butanone (MEK)	19.5	4.5	mg/Kg wet	22.7		85.8		40-160				†
n-Butylbenzene	2.28	0.23	mg/Kg wet	2.27		100		70-130				
sec-Butylbenzene	2.40	0.23	mg/Kg wet	2.27		106		70-130				
tert-Butylbenzene	2.38	0.23	mg/Kg wet	2.27		105		70-130				†
tert-Butyl Ethyl Ether (TBEE)	2.23	0.11	mg/Kg wet	2.27		98.4		70-130				
Carbon Disulfide	2.48	2.3	mg/Kg wet	2.27		109		70-130				
Carbon Tetrachloride	1.99	2.3	mg/Kg wet	2.27		87.6		70-130				
Chlorobenzene	2.24	0.23	mg/Kg wet	2.27		98.7		70-130				
Chlorodibromomethane	2.09	2.3	mg/Kg wet	2.27		92.1		70-130				
Chloroethane	2.72	0.45	mg/Kg wet	2.27		120		70-130			R-05	
Chloroform	2.13	0.45	mg/Kg wet	2.27		94.1		70-130				
Chloromethane	1.91	0.45	mg/Kg wet	2.27		84.2		40-160				
2-Chlorotoluene	2.36	0.23	mg/Kg wet	2.27		104		70-130				
4-Chlorotoluene	2.41	0.23	mg/Kg wet	2.27		106		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	2.17	1.1	mg/Kg wet	2.27		95.8		70-130				
1,2-Dibromoethane (EDB)	2.33	0.11	mg/Kg wet	2.27		103		70-130				
Dibromomethane	2.11	0.23	mg/Kg wet	2.27		93.2		70-130				
1,2-Dichlorobenzene	2.31	0.23	mg/Kg wet	2.27		102		70-130				
1,3-Dichlorobenzene	2.24	0.23	mg/Kg wet	2.27		98.8		70-130				
1,4-Dichlorobenzene	2.31	0.23	mg/Kg wet	2.27		102		70-130				
Dichlorodifluoromethane (Freon 12)	2.51	0.45	mg/Kg wet	2.27		111		40-160			V-06	†
1,1-Dichloroethane	2.12	0.23	mg/Kg wet	2.27		93.6		70-130				
1,2-Dichloroethane	2.17	0.23	mg/Kg wet	2.27		95.6		70-130				
1,1-Dichloroethylene	2.43	0.23	mg/Kg wet	2.27		107		70-130				
cis-1,2-Dichloroethylene	2.26	0.23	mg/Kg wet	2.27		99.9		70-130				
trans-1,2-Dichloroethylene	2.16	0.23	mg/Kg wet	2.27		95.3		70-130				
1,2-Dichloropropane	2.18	0.23	mg/Kg wet	2.27		96.1		70-130				
1,3-Dichloropropane	2.13	0.11	mg/Kg wet	2.27		93.9		70-130				
2,2-Dichloropropane	1.77	0.23	mg/Kg wet	2.27		78.3		40-130				
1,1-Dichloropropene	2.26	0.45	mg/Kg wet	2.27		99.9		70-130				
cis-1,3-Dichloropropene	1.92	2.3	mg/Kg wet	2.27		84.9		70-130				
trans-1,3-Dichloropropene	1.89	2.3	mg/Kg wet	2.27		83.3		70-130				
Diethyl Ether	2.59	0.45	mg/Kg wet	2.27		114		70-130				
Diisopropyl Ether (DIPE)	2.19	0.11	mg/Kg wet	2.27		96.8		70-130				
1,4-Dioxane	19.3	23	mg/Kg wet	22.7		85.2		40-130			V-16	†
Ethylbenzene	2.28	0.23	mg/Kg wet	2.27		100		70-130				
Hexachlorobutadiene	2.29	0.45	mg/Kg wet	2.27		101		70-130				
2-Hexanone (MBK)	17.9	23	mg/Kg wet	22.7		78.9		70-160				†
Isopropylbenzene (Cumene)	2.80	0.23	mg/Kg wet	2.27		123		70-130				
p-Isopropyltoluene (p-Cymene)	2.44	0.23	mg/Kg wet	2.27		108		70-130				
Methyl tert-Butyl Ether (MTBE)	2.25	0.23	mg/Kg wet	2.27		99.3		70-130				
Methylene Chloride	0.655	4.5	mg/Kg wet	2.27		**28.9**	*	70-130			L-04, V-05	†
4-Methyl-2-pentanone (MIBK)	19.3	2.3	mg/Kg wet	22.7		85.1		70-160				†
Naphthalene	1.92	2.3	mg/Kg wet	2.27		84.6		40-130				†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B010347 - SW-846 5035/5030B											
LCS (B010347-BS1)				Prepared & Analyzed: 02/11/10							
n-Propylbenzene	2.49	0.23	mg/Kg wet	2.27		110	70-130				
Styrene	2.46	0.23	mg/Kg wet	2.27		109	70-130				
1,1,1,2-Tetrachloroethane	2.01	2.3	mg/Kg wet	2.27		88.7	70-130				
1,1,2,2-Tetrachloroethane	2.36	0.11	mg/Kg wet	2.27		104	70-130				
Tetrachloroethylene	2.30	0.23	mg/Kg wet	2.27		102	70-130				
Tetrahydrofuran	2.38	2.3	mg/Kg wet	2.27		105	70-130				
Toluene	2.18	0.23	mg/Kg wet	2.27		96.1	70-130				
1,2,3-Trichlorobenzene	2.08	1.1	mg/Kg wet	2.27		91.7	70-130				
1,2,4-Trichlorobenzene	2.14	0.23	mg/Kg wet	2.27		94.5	70-130				
1,1,1-Trichloroethane	2.02	0.23	mg/Kg wet	2.27		88.9	70-130				
1,1,2-Trichloroethane	2.20	0.23	mg/Kg wet	2.27		97.2	70-130				
Trichloroethylene	2.27	0.23	mg/Kg wet	2.27		100	70-130				
Trichlorofluoromethane (Freon 11)	2.39	0.45	mg/Kg wet	2.27		105	70-130				
1,2,3-Trichloropropane	1.96	0.45	mg/Kg wet	2.27		86.4	70-130				
1,2,4-Trimethylbenzene	2.32	0.23	mg/Kg wet	2.27		102	70-130				
1,3,5-Trimethylbenzene	2.47	0.23	mg/Kg wet	2.27		109	70-130				
Vinyl Chloride	2.09	0.45	mg/Kg wet	2.27		92.2	40-160				†
m+p Xylene	4.58	0.45	mg/Kg wet	4.53		101	70-130				
o-Xylene	2.32	0.23	mg/Kg wet	2.27		102	70-130				
Surrogate: 1,2-Dichloroethane-d4	*5.42*		mg/Kg wet	5.33		102	70-130				
Surrogate: Toluene-d8	*5.58*		mg/Kg wet	5.33		105	70-130				
Surrogate: 4-Bromofluorobenzene	*5.85*		mg/Kg wet	5.33		110	70-130				
LCS Dup (B010347-BSD1)				Prepared & Analyzed: 02/11/10							
Acetone	16.9	11	mg/Kg wet	22.7		74.4	70-160	14.4	25	V-16	†
tert-Amyl Methyl Ether (TAME)	2.14	0.11	mg/Kg wet	2.27		94.5	70-130	2.25	25		
Benzene	2.16	0.23	mg/Kg wet	2.27		95.3	70-130	1.66	25		
Bromobenzene	2.21	0.23	mg/Kg wet	2.27		97.7	70-130	8.15	25		
Bromochloromethane	2.29	0.23	mg/Kg wet	2.27		101	70-130	3.32	25		
Bromodichloromethane	2.04	2.3	mg/Kg wet	2.27		90.2	70-130	0.444	25		
Bromoform	2.05	2.3	mg/Kg wet	2.27		90.3	70-130	0.221	25		
Bromomethane	1.80	2.3	mg/Kg wet	2.27		79.5	40-160	3.19	25		†
2-Butanone (MEK)	20.8	4.5	mg/Kg wet	22.7		91.6	40-160	6.50	25		†
n-Butylbenzene	2.19	0.23	mg/Kg wet	2.27		96.6	70-130	3.96	25		
sec-Butylbenzene	2.28	0.23	mg/Kg wet	2.27		100	70-130	5.04	25		
tert-Butylbenzene	2.29	0.23	mg/Kg wet	2.27		101	70-130	3.78	25		†
tert-Butyl Ethyl Ether (TBEE)	2.21	0.11	mg/Kg wet	2.27		97.3	70-130	1.12	25		
Carbon Disulfide	2.30	2.3	mg/Kg wet	2.27		101	70-130	7.69	25		
Carbon Tetrachloride	1.93	2.3	mg/Kg wet	2.27		85.1	70-130	2.90	25		
Chlorobenzene	2.23	0.23	mg/Kg wet	2.27		98.3	70-130	0.406	25		
Chlorodibromomethane	2.11	2.3	mg/Kg wet	2.27		92.9	70-130	0.865	25		
Chloroethane	1.86	0.45	mg/Kg wet	2.27		82.0	70-130	**37.5** *	25	R-05	
Chloroform	2.09	0.45	mg/Kg wet	2.27		92.0	70-130	2.26	25		
Chloromethane	1.55	0.45	mg/Kg wet	2.27		68.2	40-160	21.0	25		
2-Chlorotoluene	2.11	0.23	mg/Kg wet	2.27		93.3	70-130	10.8	25		
4-Chlorotoluene	2.14	0.23	mg/Kg wet	2.27		94.5	70-130	11.7	25		
1,2-Dibromo-3-chloropropane (DBCP)	2.41	1.1	mg/Kg wet	2.27		106	70-130	10.5	25		
1,2-Dibromoethane (EDB)	2.29	0.11	mg/Kg wet	2.27		101	70-130	1.86	25		
Dibromomethane	2.15	0.23	mg/Kg wet	2.27		94.7	70-130	1.60	25		
1,2-Dichlorobenzene	2.28	0.23	mg/Kg wet	2.27		100	70-130	1.19	25		
1,3-Dichlorobenzene	2.19	0.23	mg/Kg wet	2.27		96.4	70-130	2.46	25		
1,4-Dichlorobenzene	2.17	0.23	mg/Kg wet	2.27		95.8	70-130	6.27	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B010347 - SW-846 5035/5030B												
LCS Dup (B010347-BSD1)				Prepared & Analyzed: 02/11/10								
Dichlorodifluoromethane (Freon 12)	3.00	0.45	mg/Kg wet	2.27		132		40-160	17.6	25	V-06	†
1,1-Dichloroethane	2.11	0.23	mg/Kg wet	2.27		92.9		70-130	0.751	25		
1,2-Dichloroethane	2.15	0.23	mg/Kg wet	2.27		94.8		70-130	0.840	25		
1,1-Dichloroethylene	2.24	0.23	mg/Kg wet	2.27		98.9		70-130	8.15	25		
cis-1,2-Dichloroethylene	2.19	0.23	mg/Kg wet	2.27		96.6		70-130	3.36	25		
trans-1,2-Dichloroethylene	2.12	0.23	mg/Kg wet	2.27		93.5		70-130	1.91	25		
1,2-Dichloropropane	2.13	0.23	mg/Kg wet	2.27		93.9		70-130	2.32	25		
1,3-Dichloropropane	2.15	0.11	mg/Kg wet	2.27		94.7		70-130	0.848	25		
2,2-Dichloropropane	1.72	0.23	mg/Kg wet	2.27		75.9		40-130	3.11	25		
1,1-Dichloropropene	2.18	0.45	mg/Kg wet	2.27		96.3		70-130	3.67	25		
cis-1,3-Dichloropropene	2.02	2.3	mg/Kg wet	2.27		89.1		70-130	4.83	25		
trans-1,3-Dichloropropene	1.96	2.3	mg/Kg wet	2.27		86.3		70-130	3.54	25		
Diethyl Ether	2.36	0.45	mg/Kg wet	2.27		104		70-130	9.24	25		
Diisopropyl Ether (DIPE)	2.17	0.11	mg/Kg wet	2.27		95.8		70-130	1.04	25		
1,4-Dioxane	23.0	23	mg/Kg wet	22.7		101		40-130	17.4	50	V-16	† ‡
Ethylbenzene	2.25	0.23	mg/Kg wet	2.27		99.3		70-130	1.20	25		
Hexachlorobutadiene	2.31	0.45	mg/Kg wet	2.27		102		70-130	0.591	25		
2-Hexanone (MBK)	19.0	23	mg/Kg wet	22.7		83.9		70-160	6.20	25		†
Isopropylbenzene (Cumene)	2.66	0.23	mg/Kg wet	2.27		117		70-130	5.15	25		
p-Isopropyltoluene (p-Cymene)	2.36	0.23	mg/Kg wet	2.27		104		70-130	3.31	25		
Methyl tert-Butyl Ether (MTBE)	2.29	0.23	mg/Kg wet	2.27		101		70-130	1.80	25		
Methylene Chloride	0.651	4.5	mg/Kg wet	2.27		**28.7**	*	70-130	0.694	25	L-04, V-05	†
4-Methyl-2-pentanone (MIBK)	20.9	2.3	mg/Kg wet	22.7		92.2		70-160	7.97	25		†
Naphthalene	2.06	2.3	mg/Kg wet	2.27		91.0		40-130	7.29	25		†
n-Propylbenzene	2.22	0.23	mg/Kg wet	2.27		98.0		70-130	11.4	25		
Styrene	2.41	0.23	mg/Kg wet	2.27		106		70-130	2.14	25		
1,1,1,2-Tetrachloroethane	2.06	2.3	mg/Kg wet	2.27		90.7		70-130	2.23	25		
1,1,2,2-Tetrachloroethane	2.30	0.11	mg/Kg wet	2.27		101		70-130	2.82	25		
Tetrachloroethylene	2.26	0.23	mg/Kg wet	2.27		99.6		70-130	1.89	25		
Tetrahydrofuran	2.33	2.3	mg/Kg wet	2.27		103		70-130	2.11	25		
Toluene	2.17	0.23	mg/Kg wet	2.27		95.6		70-130	0.522	25		
1,2,3-Trichlorobenzene	2.16	1.1	mg/Kg wet	2.27		95.1		70-130	3.64	25		
1,2,4-Trichlorobenzene	2.18	0.23	mg/Kg wet	2.27		96.3		70-130	1.89	25		
1,1,1-Trichloroethane	1.97	0.23	mg/Kg wet	2.27		87.0		70-130	2.16	25		
1,1,2-Trichloroethane	2.22	0.23	mg/Kg wet	2.27		98.1		70-130	0.922	25		
Trichloroethylene	2.20	0.23	mg/Kg wet	2.27		96.9		70-130	3.35	25		
Trichlorofluoromethane (Freon 11)	2.22	0.45	mg/Kg wet	2.27		97.8		70-130	7.48	25		
1,2,3-Trichloropropane	1.92	0.45	mg/Kg wet	2.27		84.6		70-130	2.11	25		
1,2,4-Trimethylbenzene	2.28	0.23	mg/Kg wet	2.27		100		70-130	1.87	25		
1,3,5-Trimethylbenzene	2.27	0.23	mg/Kg wet	2.27		100		70-130	8.51	25		
Vinyl Chloride	2.00	0.45	mg/Kg wet	2.27		88.2		40-160	4.43	25		†
m+p Xylene	4.48	0.45	mg/Kg wet	4.53		98.8		70-130	2.25	25		
o-Xylene	2.27	0.23	mg/Kg wet	2.27		100		70-130	2.27	25		
Surrogate: 1,2-Dichloroethane-d4	*5.46*		mg/Kg wet	5.33		102		70-130				
Surrogate: Toluene-d8	*5.82*		mg/Kg wet	5.33		109		70-130				
Surrogate: 4-Bromofluorobenzene	*5.56*		mg/Kg wet	5.33		104		70-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B010357 - SW-846 3546										
Blank (B010357-BLK1)				Prepared: 02/11/10 Analyzed: 02/12/10						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.66	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.66	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							R-05
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.66	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B010357 - SW-846 3546											
Blank (B010357-BLK1)				Prepared: 02/11/10 Analyzed: 02/12/10							
Phenol	ND	0.34	mg/Kg wet								
Pyrene	ND	0.17	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet								
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet								
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet								
Surrogate: 2-Fluorophenol	*4.73*		mg/Kg wet	6.67		71.0	30-130				
Surrogate: Phenol-d6	*4.92*		mg/Kg wet	6.67		73.8	30-130				
Surrogate: Nitrobenzene-d5	*2.06*		mg/Kg wet	3.33		61.7	30-130				
Surrogate: 2-Fluorobiphenyl	*2.07*		mg/Kg wet	3.33		62.1	30-130				
Surrogate: 2,4,6-Tribromophenol	*5.50*		mg/Kg wet	6.67		82.4	30-130				
Surrogate: Terphenyl-d14	*2.85*		mg/Kg wet	3.33		85.6	30-130				
LCS (B010357-BS1)				Prepared: 02/11/10 Analyzed: 02/12/10							
Acenaphthene	1.20	0.17	mg/Kg wet	1.67		71.7	40-140				
Acenaphthylene	1.19	0.17	mg/Kg wet	1.67		71.5	40-140				
Acetophenone	0.572	0.34	mg/Kg wet	0.833		68.6	40-140				
Aniline	0.664	0.34	mg/Kg wet	1.67		39.8	10-140				†
Anthracene	1.33	0.17	mg/Kg wet	1.67		80.0	40-140				
Benzo(a)anthracene	1.22	0.17	mg/Kg wet	1.67		73.5	40-140				
Benzo(a)pyrene	1.25	0.17	mg/Kg wet	1.67		75.1	40-140				
Benzo(b)fluoranthene	0.953	0.17	mg/Kg wet	1.67		57.2	40-140				
Benzo(g,h,i)perylene	1.16	0.17	mg/Kg wet	1.67		69.8	40-140				
Benzo(k)fluoranthene	1.53	0.17	mg/Kg wet	1.67		91.6	40-140				
Bis(2-chloroethoxy)methane	1.30	0.34	mg/Kg wet	1.67		78.0	40-140				
Bis(2-chloroethyl)ether	1.15	0.34	mg/Kg wet	1.67		69.2	40-140				
Bis(2-chloroisopropyl)ether	1.18	0.34	mg/Kg wet	1.67		70.9	40-140				
Bis(2-Ethylhexyl)phthalate	1.45	0.34	mg/Kg wet	1.67		86.7	40-140				
4-Bromophenylphenylether	1.15	0.34	mg/Kg wet	1.67		69.1	40-140				
Butylbenzylphthalate	1.46	0.66	mg/Kg wet	1.67		87.7	40-140				
4-Chloroaniline	0.681	0.66	mg/Kg wet	1.67		40.9	10-140				†
2-Chloronaphthalene	1.03	0.34	mg/Kg wet	1.67		61.8	40-140				
2-Chlorophenol	1.16	0.34	mg/Kg wet	1.67		69.6	30-130				
Chrysene	1.33	0.17	mg/Kg wet	1.67		79.6	40-140				
Dibenz(a,h)anthracene	1.14	0.17	mg/Kg wet	1.67		68.5	40-140				
Dibenzofuran	1.43	0.34	mg/Kg wet	1.67		85.6	40-140				
Di-n-butylphthalate	1.59	0.34	mg/Kg wet	1.67		95.6	40-140				
1,2-Dichlorobenzene	1.19	0.34	mg/Kg wet	1.67		71.5	40-140				
1,3-Dichlorobenzene	1.16	0.34	mg/Kg wet	1.67		69.8	40-140				
1,4-Dichlorobenzene	1.18	0.34	mg/Kg wet	1.67		71.1	40-140				
3,3-Dichlorobenzidine	0.532	0.17	mg/Kg wet	1.67		31.9	20-140				†
2,4-Dichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.7	30-130				
Diethylphthalate	1.63	0.34	mg/Kg wet	1.67		98.0	40-140				
2,4-Dimethylphenol	1.29	0.34	mg/Kg wet	1.67		77.5	30-130				
Dimethylphthalate	1.43	0.66	mg/Kg wet	1.67		86.0	40-140				
2,4-Dinitrophenol	0.778	0.66	mg/Kg wet	1.67		46.7	30-130			L-07A	
2,4-Dinitrotoluene	1.67	0.34	mg/Kg wet	1.67		100	40-140				
2,6-Dinitrotoluene	1.55	0.34	mg/Kg wet	1.67		92.8	40-140				
Di-n-octylphthalate	1.52	0.66	mg/Kg wet	1.67		91.2	40-140				
1,2-Diphenylhydrazine (as Azobenzene)	1.17	0.34	mg/Kg wet	1.67		70.2	40-140				
Fluoranthene	1.53	0.17	mg/Kg wet	1.67		91.6	40-140				
Fluorene	1.43	0.17	mg/Kg wet	1.67		85.7	40-140				
Hexachlorobenzene	1.19	0.34	mg/Kg wet	1.67		71.6	40-140				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B010357 - SW-846 3546										
LCS (B010357-BS1)				Prepared: 02/11/10 Analyzed: 02/12/10						
Hexachlorobutadiene	1.18	0.34	mg/Kg wet	1.67		70.9	40-140			
Hexachloroethane	1.23	0.34	mg/Kg wet	1.67		73.7	40-140			
Indeno(1,2,3-cd)pyrene	0.921	0.17	mg/Kg wet	1.67		55.2	40-140			
Isophorone	1.39	0.34	mg/Kg wet	1.67		83.6	40-140			
2-Methylnaphthalene	1.30	0.17	mg/Kg wet	1.67		77.7	40-140			
2-Methylphenol	1.25	0.34	mg/Kg wet	1.67		75.3	30-130			
3/4-Methylphenol	1.17	0.34	mg/Kg wet	1.67		70.1	30-130			
Naphthalene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140			
Nitrobenzene	1.22	0.34	mg/Kg wet	1.67		73.4	40-140			
2-Nitrophenol	1.21	0.34	mg/Kg wet	1.67		72.7	30-130			
4-Nitrophenol	1.39	0.66	mg/Kg wet	1.67		83.2	30-130			
Pentachlorophenol	1.06	0.34	mg/Kg wet	1.67		63.9	30-130			
Phenanthrene	1.25	0.17	mg/Kg wet	1.67		74.9	40-140			
Phenol	1.13	0.34	mg/Kg wet	1.67		67.6	30-130			
Pyrene	1.32	0.17	mg/Kg wet	1.67		79.1	40-140			
1,2,4-Trichlorobenzene	1.24	0.34	mg/Kg wet	1.67		74.3	40-140			
2,4,5-Trichlorophenol	1.21	0.34	mg/Kg wet	1.67		72.5	30-130			
2,4,6-Trichlorophenol	1.19	0.34	mg/Kg wet	1.67		71.3	30-130			
Surrogate: 2-Fluorophenol	*4.70*		mg/Kg wet	6.67		70.4	30-130			
Surrogate: Phenol-d6	*4.88*		mg/Kg wet	6.67		73.2	30-130			
Surrogate: Nitrobenzene-d5	*2.37*		mg/Kg wet	3.33		71.1	30-130			
Surrogate: 2-Fluorobiphenyl	*2.27*		mg/Kg wet	3.33		68.1	30-130			
Surrogate: 2,4,6-Tribromophenol	*7.98*		mg/Kg wet	6.67		120	30-130			
Surrogate: Terphenyl-d14	*3.07*		mg/Kg wet	3.33		92.0	30-130			
LCS Dup (B010357-BSD1)				Prepared: 02/11/10 Analyzed: 02/12/10						
Acenaphthene	1.22	0.17	mg/Kg wet	1.67		73.3	40-140	2.23	30	
Acenaphthylene	1.23	0.17	mg/Kg wet	1.67		73.6	40-140	2.78	30	
Acetophenone	0.558	0.34	mg/Kg wet	0.833		66.9	40-140	2.48	30	
Aniline	0.632	0.34	mg/Kg wet	1.67		37.9	10-140	4.84	50	† ‡
Anthracene	1.34	0.17	mg/Kg wet	1.67		80.4	40-140	0.399	30	
Benzo(a)anthracene	1.24	0.17	mg/Kg wet	1.67		74.1	40-140	0.894	30	
Benzo(a)pyrene	1.26	0.17	mg/Kg wet	1.67		75.5	40-140	0.584	30	
Benzo(b)fluoranthene	0.997	0.17	mg/Kg wet	1.67		59.8	40-140	4.44	30	
Benzo(g,h,i)perylene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140	0.257	30	
Benzo(k)fluoranthene	1.52	0.17	mg/Kg wet	1.67		91.0	40-140	0.635	30	
Bis(2-chloroethoxy)methane	1.33	0.34	mg/Kg wet	1.67		80.0	40-140	2.48	30	
Bis(2-chloroethyl)ether	1.16	0.34	mg/Kg wet	1.67		69.6	40-140	0.577	30	
Bis(2-chloroisopropyl)ether	1.17	0.34	mg/Kg wet	1.67		70.2	40-140	1.05	30	
Bis(2-Ethylhexyl)phthalate	1.44	0.34	mg/Kg wet	1.67		86.1	40-140	0.717	30	
4-Bromophenylphenylether	1.28	0.34	mg/Kg wet	1.67		76.8	40-140	10.5	30	
Butylbenzylphthalate	1.35	0.66	mg/Kg wet	1.67		80.8	40-140	8.14	30	
4-Chloroaniline	0.642	0.66	mg/Kg wet	1.67		38.5	10-140	5.89	30	†
2-Chloronaphthalene	1.11	0.34	mg/Kg wet	1.67		66.8	40-140	7.81	30	
2-Chlorophenol	1.16	0.34	mg/Kg wet	1.67		69.9	30-130	0.430	30	
Chrysene	1.41	0.17	mg/Kg wet	1.67		84.6	40-140	6.09	30	
Dibenz(a,h)anthracene	1.18	0.17	mg/Kg wet	1.67		71.1	40-140	3.67	30	
Dibenzofuran	1.44	0.34	mg/Kg wet	1.67		86.4	40-140	0.977	30	
Di-n-butylphthalate	1.47	0.34	mg/Kg wet	1.67		88.2	40-140	8.01	30	
1,2-Dichlorobenzene	1.19	0.34	mg/Kg wet	1.67		71.6	40-140	0.168	30	
1,3-Dichlorobenzene	1.22	0.34	mg/Kg wet	1.67		72.9	40-140	4.34	30	
1,4-Dichlorobenzene	1.21	0.34	mg/Kg wet	1.67		72.8	40-140	2.39	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B010357 - SW-846 3546													
LCS Dup (B010357-BSD1)				Prepared: 02/11/10 Analyzed: 02/12/10									
3,3-Dichlorobenzidine	0.640	0.17	mg/Kg wet	1.67		38.4		20-140	18.4		50		† ‡
2,4-Dichlorophenol	1.28	0.34	mg/Kg wet	1.67		76.7		30-130	1.34		30		
Diethylphthalate	1.44	0.34	mg/Kg wet	1.67		86.7		40-140	12.2		30		
2,4-Dimethylphenol	1.32	0.34	mg/Kg wet	1.67		79.1		30-130	2.04		30		
Dimethylphthalate	1.35	0.66	mg/Kg wet	1.67		81.2		40-140	5.81		30		
2,4-Dinitrophenol	0.473	0.66	mg/Kg wet	1.67		**28.4**	*	30-130	**48.7**	*	30	L-07A	
2,4-Dinitrotoluene	1.44	0.34	mg/Kg wet	1.67		86.1		40-140	15.3		30		
2,6-Dinitrotoluene	1.42	0.34	mg/Kg wet	1.67		85.2		40-140	8.56		30		
Di-n-octylphthalate	1.52	0.66	mg/Kg wet	1.67		91.5		40-140	0.285		30		
1,2-Diphenylhydrazine (as Azobenzene)	1.31	0.34	mg/Kg wet	1.67		78.6		40-140	11.3		30		
Fluoranthene	1.52	0.17	mg/Kg wet	1.67		91.1		40-140	0.460		30		
Fluorene	1.36	0.17	mg/Kg wet	1.67		81.6		40-140	4.90		30		
Hexachlorobenzene	1.27	0.34	mg/Kg wet	1.67		76.5		40-140	6.59		30		
Hexachlorobutadiene	1.25	0.34	mg/Kg wet	1.67		75.0		40-140	5.59		30		
Hexachloroethane	1.25	0.34	mg/Kg wet	1.67		75.0		40-140	1.78		30		
Indeno(1,2,3-cd)pyrene	1.07	0.17	mg/Kg wet	1.67		64.1		40-140	14.9		30		
Isophorone	1.39	0.34	mg/Kg wet	1.67		83.4		40-140	0.216		30		
2-Methylnaphthalene	1.26	0.17	mg/Kg wet	1.67		75.5		40-140	2.82		30		
2-Methylphenol	1.22	0.34	mg/Kg wet	1.67		73.0		30-130	2.99		30		
3/4-Methylphenol	1.12	0.34	mg/Kg wet	1.67		67.4		30-130	3.93		30		
Naphthalene	1.16	0.17	mg/Kg wet	1.67		69.8		40-140	3.80		30		
Nitrobenzene	1.29	0.34	mg/Kg wet	1.67		77.4		40-140	5.33		30		
2-Nitrophenol	1.21	0.34	mg/Kg wet	1.67		72.8		30-130	0.110		30		
4-Nitrophenol	1.18	0.66	mg/Kg wet	1.67		70.9		30-130	15.9		50		‡
Pentachlorophenol	0.942	0.34	mg/Kg wet	1.67		56.5		30-130	12.2		30		
Phenanthrene	1.27	0.17	mg/Kg wet	1.67		76.0		40-140	1.54		30		
Phenol	1.13	0.34	mg/Kg wet	1.67		67.8		30-130	0.236		30		
Pyrene	1.07	0.17	mg/Kg wet	1.67		64.4		40-140	20.5		30		
1,2,4-Trichlorobenzene	1.29	0.34	mg/Kg wet	1.67		77.5		40-140	4.21		30		
2,4,5-Trichlorophenol	1.39	0.34	mg/Kg wet	1.67		83.3		30-130	13.9		30		
2,4,6-Trichlorophenol	1.27	0.34	mg/Kg wet	1.67		75.9		30-130	6.22		30		
Surrogate: 2-Fluorophenol	*4.67*		mg/Kg wet	6.67		70.0		30-130					
Surrogate: Phenol-d6	*4.71*		mg/Kg wet	6.67		70.7		30-130					
Surrogate: Nitrobenzene-d5	*2.44*		mg/Kg wet	3.33		73.2		30-130					
Surrogate: 2-Fluorobiphenyl	*2.42*		mg/Kg wet	3.33		72.6		30-130					
Surrogate: 2,4,6-Tribromophenol	*6.82*		mg/Kg wet	6.67		102		30-130					
Surrogate: Terphenyl-d14	*2.47*		mg/Kg wet	3.33		74.1		30-130					

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B010344 - SW-846 3546										
Blank (B010344-BLK1)				Prepared: 02/11/10 Analyzed: 02/12/10						
Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.146*		mg/Kg wet	0.200		72.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.162*		mg/Kg wet	0.200		80.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.150*		mg/Kg wet	0.200		75.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.147*		mg/Kg wet	0.200		73.3	30-150			
LCS (B010344-BS1)				Prepared: 02/11/10 Analyzed: 02/12/10						
Aroclor-1016	0.16	0.10	mg/Kg wet	0.200		78.7	40-140			
Aroclor-1016 [2C]	0.16	0.10	mg/Kg wet	0.200		78.0	40-140			
Aroclor-1260	0.16	0.10	mg/Kg wet	0.200		80.1	40-140			
Aroclor-1260 [2C]	0.16	0.10	mg/Kg wet	0.200		77.8	40-140			
Surrogate: Decachlorobiphenyl	*0.142*		mg/Kg wet	0.200		70.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.157*		mg/Kg wet	0.200		78.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.138*		mg/Kg wet	0.200		69.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.136*		mg/Kg wet	0.200		68.1	30-150			
LCS Dup (B010344-BSD1)				Prepared: 02/11/10 Analyzed: 02/12/10						
Aroclor-1016	0.16	0.10	mg/Kg wet	0.200		78.2	40-140	0.730	30	
Aroclor-1016 [2C]	0.15	0.10	mg/Kg wet	0.200		76.7	40-140	1.58	30	
Aroclor-1260	0.16	0.10	mg/Kg wet	0.200		79.4	40-140	0.762	30	
Aroclor-1260 [2C]	0.15	0.10	mg/Kg wet	0.200		76.0	40-140	2.35	30	
Surrogate: Decachlorobiphenyl	*0.131*		mg/Kg wet	0.200		65.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.146*		mg/Kg wet	0.200		72.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.131*		mg/Kg wet	0.200		65.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.128*		mg/Kg wet	0.200		63.8	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B010344 - SW-846 3546										
Matrix Spike (B010344-MS1)		**Source: 10B0225-01**		Prepared: 02/11/10 Analyzed: 02/13/10						
Aroclor-1016	0.24	0.11	mg/Kg dry	0.215	ND	110	40-140			
Aroclor-1016 [2C]	0.21	0.11	mg/Kg dry	0.215	ND	96.7	40-140			
Aroclor-1260	0.26	0.11	mg/Kg dry	0.215	ND	123	40-140			
Aroclor-1260 [2C]	0.22	0.11	mg/Kg dry	0.215	ND	101	40-140			
Surrogate: Decachlorobiphenyl	*0.197*		mg/Kg dry	0.215		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.173*		mg/Kg dry	0.215		80.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.217*		mg/Kg dry	0.215		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.180*		mg/Kg dry	0.215		83.5	30-150			
Matrix Spike Dup (B010344-MSD1)		**Source: 10B0225-01**		Prepared: 02/11/10 Analyzed: 02/13/10						
Aroclor-1016	0.24	0.11	mg/Kg dry	0.215	ND	112	40-140	1.87	50	
Aroclor-1016 [2C]	0.19	0.11	mg/Kg dry	0.215	ND	88.6	40-140	8.78	50	
Aroclor-1260	0.22	0.11	mg/Kg dry	0.215	ND	102	40-140	18.8	50	
Aroclor-1260 [2C]	0.19	0.11	mg/Kg dry	0.215	ND	87.6	40-140	13.7	50	
Surrogate: Decachlorobiphenyl	*0.182*		mg/Kg dry	0.215		84.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.162*		mg/Kg dry	0.215		75.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.200*		mg/Kg dry	0.215		92.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.164*		mg/Kg dry	0.215		76.1	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B010356 - SW-846 3546										
Blank (B010356-BLK1)				Prepared: 02/11/10 Analyzed: 02/12/10						
TPH as Diesel	ND	8.3	mg/Kg wet							
LCS (B010356-BS1)				Prepared: 02/11/10 Analyzed: 02/12/10						
TPH as Diesel	26.8	8.3	mg/Kg wet	33.3		80.3	40-140			
LCS Dup (B010356-BSD1)				Prepared: 02/11/10 Analyzed: 02/12/10						
TPH as Diesel	25.8	8.3	mg/Kg wet	33.3		77.5	40-140	3.57	30	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B010340 - SW-846 7471A										
Blank (B010340-BLK1)				Prepared: 02/11/10 Analyzed: 02/12/10						
Mercury	ND	0.025	mg/Kg wet							
LCS (B010340-BS1)				Prepared: 02/11/10 Analyzed: 02/12/10						
Mercury	1.18	0.025	mg/Kg wet	1.05		113	66-132			
LCS Dup (B010340-BSD1)				Prepared: 02/11/10 Analyzed: 02/12/10						
Mercury	1.12	0.025	mg/Kg wet	0.981		114	66-132	5.27	30	
Batch B010358 - SW-846 3050B										
Blank (B010358-BLK1)				Prepared: 02/11/10 Analyzed: 02/12/10						
Arsenic	ND	2.5	mg/Kg wet							
Barium	ND	5.0	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
Selenium	ND	5.0	mg/Kg wet							
Silver	ND	0.50	mg/Kg wet							
LCS (B010358-BS1)				Prepared: 02/11/10 Analyzed: 02/12/10						
Arsenic	160	5.2	mg/Kg wet	165		97.3	81.6-118.4			
Barium	352	10	mg/Kg wet	363		96.9	80.7-119.3			
Cadmium	183	0.52	mg/Kg wet	195		93.8	82.4-117.6			
Chromium	83.1	1.0	mg/Kg wet	93.3		89.1	78.8-120.7			
Lead	161	1.6	mg/Kg wet	179		90.0	79.1-120.3			
Selenium	144	10	mg/Kg wet	154		93.1	78.4-120.9			
Silver	59.9	1.0	mg/Kg wet	68.8		87.1	66.2-133.6			
LCS (B010358-BS2)				Prepared: 02/11/10 Analyzed: 02/12/10						
Lead	0.813	0.75	mg/Kg wet	0.750		108	79.1-120.3			
LCS Dup (B010358-BSD1)				Prepared: 02/11/10 Analyzed: 02/12/10						
Arsenic	153	5.2	mg/Kg wet	163		93.7	81.6-118.4	4.62	30	
Barium	329	10	mg/Kg wet	359		91.5	80.7-119.3	6.70	30	
Cadmium	183	0.52	mg/Kg wet	193		94.6	82.4-117.6	0.0471	30	
Chromium	85.2	1.0	mg/Kg wet	92.4		92.2	78.8-120.7	2.47	30	
Lead	152	1.5	mg/Kg wet	178		85.4	79.1-120.3	6.20	30	
Selenium	141	10	mg/Kg wet	153		92.5	78.4-120.9	1.56	30	
Silver	57.2	1.0	mg/Kg wet	68.2		83.9	66.2-133.6	4.66	30	

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B010326 - % Solids										
Duplicate (B010326-DUPB)		**Source: 10B0225-01**		Prepared: 02/11/10 Analyzed: 02/12/10						
% Solids	91.9		% Wt		93.0			1.19	20	
Batch B010386 - SM18-20 2510B										
Blank (B010386-BLK1)				Prepared & Analyzed: 02/12/10						
Specific conductance	ND	2.0	µmhos/cm							
LCS (B010386-BS1)				Prepared & Analyzed: 02/12/10						
Specific conductance	150	2.0	µmhos/cm	147		99.0	83-108			
Duplicate (B010386-DUP1)		**Source: 10B0225-01**		Prepared & Analyzed: 02/12/10						
Specific conductance	7.5	2.0	µmhos/cm		6.4			14.7	18.8	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010B in Soil	
Arsenic	CT,NH,NY
Barium	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY
Lead	CT,NH,NY,AIHA
Selenium	CT,NH,NY
Silver	CT,NH,NY
SW-846 7471A in Soil	
Mercury	CT,NH,NY
SW-846 8082 in Soil	
Aroclor-1016	CT,NH,NY
Aroclor-1016 [2C]	CT,NH,NY
Aroclor-1221	CT,NH,NY
Aroclor-1221 [2C]	CT,NH,NY
Aroclor-1232	CT,NH,NY
Aroclor-1232 [2C]	CT,NH,NY
Aroclor-1242	CT,NH,NY
Aroclor-1242 [2C]	CT,NH,NY
Aroclor-1248	CT,NH,NY
Aroclor-1248 [2C]	CT,NH,NY
Aroclor-1254	CT,NH,NY
Aroclor-1254 [2C]	CT,NH,NY
Aroclor-1260	CT,NH,NY
Aroclor-1260 [2C]	CT,NH,NY
SW-846 8260B in Soil	
Acetone	CT,NH,NY
Acetone	CT,NH,NY
Benzene	CT,NH,NY
Benzene	CT,NH,NY
Bromobenzene	NH,NY
Bromobenzene	NH,NY
Bromochloromethane	NH,NY
Bromochloromethane	NH,NY
Bromodichloromethane	CT,NH,NY
Bromodichloromethane	CT,NH,NY
Bromoform	CT,NH,NY
Bromoform	CT,NH,NY
Bromomethane	CT,NH,NY
Bromomethane	CT,NH,NY
2-Butanone (MEK)	CT,NH,NY
2-Butanone (MEK)	CT,NH,NY
n-Butylbenzene	CT,NH,NY
n-Butylbenzene	CT,NH,NY
sec-Butylbenzene	CT,NH,NY
sec-Butylbenzene	CT,NH,NY
tert-Butylbenzene	CT,NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
tert-Butylbenzene	CT,NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY
Chlorobenzene	CT,NH,NY
Chlorobenzene	CT,NH,NY
Chlorodibromomethane	CT,NH,NY
Chlorodibromomethane	CT,NH,NY
Chloroethane	CT,NH,NY
Chloroethane	CT,NH,NY
Chloroform	CT,NH,NY
Chloroform	CT,NH,NY
Chloromethane	CT,NH,NY
Chloromethane	CT,NH,NY
2-Chlorotoluene	CT,NH,NY
2-Chlorotoluene	CT,NH,NY
4-Chlorotoluene	CT,NH,NY
4-Chlorotoluene	CT,NH,NY
Dibromomethane	NH,NY
Dibromomethane	NH,NY
1,2-Dichlorobenzene	CT,NH,NY
1,2-Dichlorobenzene	CT,NH,NY
1,3-Dichlorobenzene	CT,NH,NY
1,3-Dichlorobenzene	CT,NH,NY
1,4-Dichlorobenzene	CT,NH,NY
1,4-Dichlorobenzene	CT,NH,NY
Dichlorodifluoromethane (Freon 12)	NY
Dichlorodifluoromethane (Freon 12)	NY
1,1-Dichloroethane	CT,NH,NY
1,1-Dichloroethane	CT,NH,NY
1,2-Dichloroethane	CT,NH,NY
1,2-Dichloroethane	CT,NH,NY
1,1-Dichloroethylene	CT,NH,NY
1,1-Dichloroethylene	CT,NH,NY
cis-1,2-Dichloroethylene	CT,NH,NY
cis-1,2-Dichloroethylene	CT,NH,NY
trans-1,2-Dichloroethylene	CT,NH,NY
trans-1,2-Dichloroethylene	CT,NH,NY
1,2-Dichloropropane	CT,NH,NY
1,2-Dichloropropane	CT,NH,NY
1,3-Dichloropropane	NH,NY
1,3-Dichloropropane	NH,NY
2,2-Dichloropropane	NH,NY
2,2-Dichloropropane	NH,NY
1,1-Dichloropropene	NH,NY
1,1-Dichloropropene	NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
cis-1,3-Dichloropropene	CT,NH,NY
cis-1,3-Dichloropropene	CT,NH,NY
trans-1,3-Dichloropropene	CT,NH,NY
trans-1,3-Dichloropropene	CT,NH,NY
Ethylbenzene	CT,NH,NY
Ethylbenzene	CT,NH,NY
Hexachlorobutadiene	NH,NY
Hexachlorobutadiene	NH,NY
2-Hexanone (MBK)	CT,NH,NY
2-Hexanone (MBK)	CT,NH,NY
Isopropylbenzene (Cumene)	CT,NH,NY
Isopropylbenzene (Cumene)	CT,NH,NY
Methylene Chloride	CT,NH,NY
Methylene Chloride	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY
Naphthalene	NH,NY
Styrene	CT,NH,NY
Styrene	CT,NH,NY
1,1,1,2-Tetrachloroethane	CT,NH,NY
1,1,1,2-Tetrachloroethane	CT,NH,NY
1,1,2,2-Tetrachloroethane	CT,NH,NY
1,1,2,2-Tetrachloroethane	CT,NH,NY
Tetrachloroethylene	CT,NH,NY
Tetrachloroethylene	CT,NH,NY
Toluene	CT,NH,NY
Toluene	CT,NH,NY
1,2,4-Trichlorobenzene	NH,NY
1,2,4-Trichlorobenzene	NH,NY
1,1,1-Trichloroethane	CT,NH,NY
1,1,1-Trichloroethane	CT,NH,NY
1,1,2-Trichloroethane	CT,NH,NY
1,1,2-Trichloroethane	CT,NH,NY
Trichloroethylene	CT,NH,NY
Trichloroethylene	CT,NH,NY
Trichlorofluoromethane (Freon 11)	CT,NH,NY
Trichlorofluoromethane (Freon 11)	CT,NH,NY
1,2,3-Trichloropropane	NH,NY
1,2,3-Trichloropropane	NH,NY
1,2,4-Trimethylbenzene	CT,NH,NY
1,2,4-Trimethylbenzene	CT,NH,NY
1,3,5-Trimethylbenzene	CT,NH,NY
1,3,5-Trimethylbenzene	CT,NH,NY
Vinyl Chloride	CT,NH,NY
Vinyl Chloride	CT,NH,NY
m+p Xylene	CT,NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
m+p Xylene	CT,NH,NY
o-Xylene	CT,NH,NY
o-Xylene	CT,NH,NY
SW-846 8270C in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
1,2-Diphenylhydrazine (as Azobenzene)	NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270C in Soil	
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2010
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	03/23/2010

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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

Company Name: TRC Environmental
Address: Wannalancit Mills
650 Suffolk St, Lowell MA 01854
Attention: Dave Sullivan
Project Location: New Bedford MA (Payn Cutlery)
Sampled By: Jim Grundy

Telephone: (978) 656-3565
Project # 172744 Phase 2
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 _____ proposal date
State Form Required? ☐ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 10B0225	Date Sampled Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	VOCs	SVOCs	PCBs	RCRA 8 Metals	TPH 8100	TCLP RCRA 8 Metals (Hold)	⊛ Conductivity						DI/MAS/ENCORE
									2/1	6	6	6	6	6							# of containers
									DI/M	I	I	I	I	I							**Preservation
									V	A	A	A	A	A							~Cont.Code
SPL-1	Stockpile soil for characterization	01	2/9/2010	0840	~~X~~	X (VOCs)	S	U	X	X	X	X	X	X	X						

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

Client Comments: Hold TCLP pending results of RCRA 8 metals.

FROZEN AT: 02-09-10 20:36 OUT

Laboratory Comments:
⊛ Per attached email, add conductivity to list of analysis required. MD 2/10/10

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

Relinquished by: (signature)	Date/Time: 2/9/10 1415
Received by: (signature)	Date/Time: 2-9-10 1415
Relinquished by: (signature)	Date/Time: 2-9-10 1840
Received by: (signature) 3°C	Date/Time: 2/9/10 1840

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 5-day
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
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

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

Sample Receipt Checklist

CLIENT NAME: TRC RECEIVED BY: JDP DATE: 2/9/10

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank 3°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)	6	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:

DI VIALS / ENCORE FROZEN AT:

02-09-10 20:36 OUT

40 mL vials: # HCl _____ # Methanol 2

Bisulfate _____ # DI Water 4 Time and Date Frozen: _____

Thiosulfate _____ Unpreserved _____

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

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Con-Test Analytical Laboratory	Project #:	10B0225
Project Location:	Payne Cutlery, New Bedford, MA	MADEP RTN1[1]:	

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

10B0225-01 thru 10B0225-02

Sample Matrices: Soil

MCP SW-846 Methods Used					
	8260B (X)	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 (X)	8021B ( )	EPH ( )	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M -- SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S -- SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☑ Yes	☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☑ Yes	☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
D	VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☐ Yes	☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☐ Yes	☑ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☐ Yes	☑ No[1]

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

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

Signature:	M Erickson	Position:	Laboratory Director
Printed Name:	Michael A. Erickson	Date:	02/16/10

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

April 9, 2010

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

Project Location: City of New Bedford - Payne Cutley
Client Job Number:
Project Number: 172744
Laboratory Work Order Number: 10D0047

Enclosed are results of analyses for samples received by the laboratory on April 2, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

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

REPORT DATE: 4/9/2010

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 172744

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10D0047

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

PROJECT LOCATION: City of New Bedford - Payne Cutley

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SS-1	10D0047-01	Soil		SM 2540G	
				SW-846 6010B	
				SW-846 8260B	
				SW-846 8270C	
SS-2	10D0047-02	Soil		SM 2540G	
				SW-846 6010B	
				SW-846 8260B	
				SW-846 8270C	
SS-3	10D0047-03	Soil		SM 2540G	
				SW-846 6010B	
				SW-846 8260B	
				SW-846 8270C	
SS-4	10D0047-04	Soil		SM 2540G	
				SW-846 6010B	
				SW-846 8260B	
				SW-846 8270C	
SS-5	10D0047-05	Soil		SM 2540G	
				SW-846 6010B	
				SW-846 8260B	
				SW-846 8270C	
SS-6	10D0047-06	Soil		SM 2540G	
				SW-846 6010B	
				SW-846 8260B	
				SW-846 8270C	
SS-Dup	10D0047-07	Soil		SM 2540G	
				SW-846 6010B	
				SW-846 8260B	
				SW-846 8270C	
Trip Blank	10D0047-08	Trip Blank Soil		SW-846 8260B	

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CASE NARRATIVE SUMMARY

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

For method 6010, only Cr and Ni results were requested and reported.
For method 8270, only PAH compounds were requested and reported.

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

SW-846 6010B

Qualifications:

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Chromium

B012215-BS1

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Chromium

10D0047-04RE1[SS-4], B012276-MS1, B012276-MSD1

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.

Analyte & Samples(s) Qualified:

Nickel

B012276-MSD1

SW-846 8260B

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

trans-1,3-Dichloropropene

B012177-BS1, B012177-BSD1, B012177-MS1, B012177-MSD1

Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

Trichloroethylene

10D0047-04[SS-4], B012177-MS1, B012177-MSD1

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.

Analyte & Samples(s) Qualified:

Acetone

B012177-MS1

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

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12)

10D0047-01[SS-1], 10D0047-02[SS-2], 10D0047-03[SS-3], 10D0047-04[SS-4], 10D0047-05[SS-5], 10D0047-06[SS-6], 10D0047-07[SS-Dup], 10D0047-08[Trip Blank], B012177-BLK1, B012177-BS1, B012177-BSD1, B012177-MS1, B012177-MSD1

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

Analyte & Samples(s) Qualified:

1,4-Dioxane, Acetone, Tetrahydrofuran

10D0047-01[SS-1], 10D0047-02[SS-2], 10D0047-03[SS-3], 10D0047-04[SS-4], 10D0047-05[SS-5], 10D0047-06[SS-6], 10D0047-07[SS-Dup], 10D0047-08[Trip Blank], B012177-BLK1, B012177-BS1, B012177-BSD1, B012177-MS1, B012177-MSD1

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

SW-846 8270C

Qualifications:

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

Benzo(g,h,i)perylene, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene

10D0047-04[SS-4], B012158-MS1, B012158-MSD1

One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.

Analyte & Samples(s) Qualified:

Terphenyl-d14

B012158-BS1, B012158-BSD1

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

Analyte & Samples(s) Qualified:

Indeno(1,2,3-cd)pyrene

10D0047-02[SS-2]

SW-846 8260B

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

Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for “difficult analytes” where RPDs of 50% are used and/or unless otherwise listed in this narrative. Difficult analyte: 1,4-dioxane

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

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY

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

Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-1 | Sampled: 4/2/2010 08:40

Sample ID: 10D0047-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.089	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 8:39	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00089	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Bromochloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Bromoform	ND	0.0036	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Bromomethane	ND	0.0089	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
2-Butanone (MEK)	ND	0.036	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00089	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Carbon Disulfide	ND	0.0053	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Chlorodibromomethane	ND	0.00089	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Chloroform	ND	0.0036	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Chloromethane	ND	0.0089	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0036	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,2-Dibromoethane (EDB)	ND	0.00089	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1	V-05	SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,1-Dichloroethylene	ND	0.0036	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,3-Dichloropropane	ND	0.00089	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
cis-1,3-Dichloropropene	ND	0.00089	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
trans-1,3-Dichloropropene	ND	0.00089	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Diethyl Ether	ND	0.018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Diisopropyl Ether (DIPE)	ND	0.00089	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,4-Dioxane	ND	0.089	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-1 | Sampled: 4/2/2010 08:40

Sample ID: 10D0047-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0036	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Naphthalene	ND	0.0036	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.00089	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Tetrahydrofuran	ND	0.0089	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Trichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0089	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
Vinyl Chloride	ND	0.0089	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
m+p Xylene	ND	0.0036	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 8:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	91.4	70-130		4/5/10 8:39
Toluene-d8	97.0	70-130		4/5/10 8:39
4-Bromofluorobenzene	95.7	70-130		4/5/10 8:39

con-test® ANALYTICAL LABORATORY

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

Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-1 | Sampled: 4/2/2010 08:40

Sample ID: 10D0047-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	1.2	0.45	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 17:01	BGL
Acenaphthylene	ND	0.45	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 17:01	BGL
Anthracene	3.1	0.45	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 17:01	BGL
Benzo(a)anthracene	12	2.3	mg/Kg dry	5		SW-846 8270C	4/5/10	4/8/10 11:59	BGL
Benzo(a)pyrene	10	2.3	mg/Kg dry	5		SW-846 8270C	4/5/10	4/8/10 11:59	BGL
Benzo(b)fluoranthene	13	2.3	mg/Kg dry	5		SW-846 8270C	4/5/10	4/8/10 11:59	BGL
Benzo(g,h,i)perylene	5.0	0.45	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 17:01	BGL
Benzo(k)fluoranthene	6.8	0.45	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 17:01	BGL
Chrysene	12	2.3	mg/Kg dry	5		SW-846 8270C	4/5/10	4/8/10 11:59	BGL
Dibenz(a,h)anthracene	1.4	0.45	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 17:01	BGL
Fluoranthene	21	2.3	mg/Kg dry	5		SW-846 8270C	4/5/10	4/8/10 11:59	BGL
Fluorene	0.95	0.45	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 17:01	BGL
Indeno(1,2,3-cd)pyrene	6.9	0.45	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 17:01	BGL
2-Methylnaphthalene	ND	0.45	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 17:01	BGL
Naphthalene	ND	0.45	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 17:01	BGL
Phenanthrene	14	2.3	mg/Kg dry	5		SW-846 8270C	4/5/10	4/8/10 11:59	BGL
Pyrene	24	2.3	mg/Kg dry	5		SW-846 8270C	4/5/10	4/8/10 11:59	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	109	30-130		4/6/10 17:01
2-Fluorobiphenyl	98.7	30-130		4/6/10 17:01
Terphenyl-d14	85.8	30-130		4/6/10 17:01

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-1
Sampled: 4/2/2010 08:40

Sample ID: 10D0047-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chromium	37	0.66	mg/Kg dry	1		SW-846 6010B	4/6/10	4/7/10 11:19	OP
Nickel	43	0.66	mg/Kg dry	1		SW-846 6010B	4/6/10	4/7/10 11:19	OP

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-1
Sampled: 4/2/2010 08:40

Sample ID: 10D0047-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.0		% Wt	1		SM 2540G	4/5/10	4/6/10 8:45	NH

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047
Date Received: 4/2/2010
Field Sample #: SS-2
Sampled: 4/2/2010 09:20
Sample ID: 10D0047-02
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.091	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 9:08	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00091	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Benzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Bromobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Bromochloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Bromodichloromethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Bromoform	ND	0.0037	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Bromomethane	ND	0.0091	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
2-Butanone (MEK)	ND	0.037	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
n-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
sec-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
tert-Butylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00091	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Carbon Disulfide	ND	0.0055	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Carbon Tetrachloride	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Chlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Chlorodibromomethane	ND	0.00091	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Chloroethane	ND	0.018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Chloroform	ND	0.0037	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Chloromethane	ND	0.0091	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
2-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
4-Chlorotoluene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0037	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,2-Dibromoethane (EDB)	ND	0.00091	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Dibromomethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,2-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,3-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,4-Dichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.018	mg/Kg dry	1	V-05	SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,1-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,2-Dichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,1-Dichloroethylene	ND	0.0037	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
cis-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
trans-1,2-Dichloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,3-Dichloropropane	ND	0.00091	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
2,2-Dichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,1-Dichloropropene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
cis-1,3-Dichloropropene	ND	0.00091	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
trans-1,3-Dichloropropene	ND	0.00091	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Diethyl Ether	ND	0.018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Diisopropyl Ether (DIPE)	ND	0.00091	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,4-Dioxane	ND	0.091	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Ethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-2
Sampled: 4/2/2010 09:20

Sample ID: 10D0047-02

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
2-Hexanone (MBK)	ND	0.018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Isopropylbenzene (Cumene)	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0037	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Methylene Chloride	ND	0.018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Naphthalene	ND	0.0037	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
n-Propylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Styrene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,1,1,2-Tetrachloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,1,2,2-Tetrachloroethane	ND	0.00091	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Tetrachloroethylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Tetrahydrofuran	ND	0.0091	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Toluene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,2,3-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,2,4-Trichlorobenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,1,1-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,1,2-Trichloroethane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Trichloroethylene	0.029	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0091	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,2,3-Trichloropropane	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,2,4-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
1,3,5-Trimethylbenzene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
Vinyl Chloride	ND	0.0091	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
m+p Xylene	ND	0.0037	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF
o-Xylene	ND	0.0018	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:08	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	82.7	70-130		4/5/10 9:08
Toluene-d8	97.0	70-130		4/5/10 9:08
4-Bromofluorobenzene	91.4	70-130		4/5/10 9:08

con-test® ANALYTICAL LABORATORY

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

Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-2 | Sampled: 4/2/2010 09:20

Sample ID: 10D0047-02

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Acenaphthylene	ND	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Anthracene	1.7	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Benzo(a)anthracene	5.9	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Benzo(a)pyrene	4.9	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Benzo(b)fluoranthene	6.0	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Benzo(g,h,i)perylene	4.7	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Benzo(k)fluoranthene	2.3	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Chrysene	6.0	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Dibenz(a,h)anthracene	1.3	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Fluoranthene	12	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Fluorene	ND	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Indeno(1,2,3-cd)pyrene	5.2	0.90	mg/Kg dry	2	V-06	SW-846 8270C	4/5/10	4/8/10 12:28	BGL
2-Methylnaphthalene	ND	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Naphthalene	ND	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Phenanthrene	8.2	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL
Pyrene	11	0.90	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:28	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	78.0	30-130		4/8/10 12:28
2-Fluorobiphenyl	77.3	30-130		4/8/10 12:28
Terphenyl-d14	79.2	30-130		4/8/10 12:28

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-2
Sampled: 4/2/2010 09:20

Sample ID: 10D0047-02

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chromium	49	0.67	mg/Kg dry	1		SW-846 6010B	4/6/10	4/7/10 11:37	OP
Nickel	82	0.67	mg/Kg dry	1		SW-846 6010B	4/6/10	4/7/10 11:37	OP

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Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-2
Sampled: 4/2/2010 09:20

Sample ID: 10D0047-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	75.0		% Wt	1		SM 2540G	4/5/10	4/6/10 8:45	NH

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047
Date Received: 4/2/2010
Field Sample #: SS-3
Sampled: 4/2/2010 09:55
Sample ID: 10D0047-03
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.096	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 9:39	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Benzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Bromobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Bromochloromethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Bromodichloromethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Bromoform	ND	0.0039	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Bromomethane	ND	0.0096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
2-Butanone (MEK)	ND	0.039	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
n-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
sec-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
tert-Butylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Carbon Disulfide	ND	0.0058	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Carbon Tetrachloride	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Chlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Chlorodibromomethane	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Chloroethane	ND	0.019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Chloroform	ND	0.0039	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Chloromethane	ND	0.0096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
2-Chlorotoluene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
4-Chlorotoluene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0039	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,2-Dibromoethane (EDB)	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Dibromomethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,2-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,3-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,4-Dichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.019	mg/Kg dry	1	V-05	SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,1-Dichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,2-Dichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,1-Dichloroethylene	ND	0.0039	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
cis-1,2-Dichloroethylene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
trans-1,2-Dichloroethylene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,2-Dichloropropane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,3-Dichloropropane	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
2,2-Dichloropropane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,1-Dichloropropene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
cis-1,3-Dichloropropene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
trans-1,3-Dichloropropene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Diethyl Ether	ND	0.019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Diisopropyl Ether (DIPE)	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,4-Dioxane	ND	0.096	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Ethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF

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

Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-3 | Sampled: 4/2/2010 09:55

Sample ID: 10D0047-03

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
2-Hexanone (MBK)	ND	0.019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Isopropylbenzene (Cumene)	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0039	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Methylene Chloride	ND	0.019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Naphthalene	ND	0.0039	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
n-Propylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Styrene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,1,1,2-Tetrachloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Tetrachloroethylene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Tetrahydrofuran	ND	0.0096	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Toluene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,2,3-Trichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,2,4-Trichlorobenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,1,1-Trichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,1,2-Trichloroethane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Trichloroethylene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,2,3-Trichloropropane	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,2,4-Trimethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
1,3,5-Trimethylbenzene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
Vinyl Chloride	ND	0.0096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
m+p Xylene	ND	0.0039	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF
o-Xylene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 9:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	94.5	70-130		4/5/10 9:39
Toluene-d8	98.6	70-130		4/5/10 9:39
4-Bromofluorobenzene	94.1	70-130		4/5/10 9:39

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-3
Sampled: 4/2/2010 09:55

Sample ID: 10D0047-03

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	1.0	0.41	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:02	BGL
Acenaphthylene	ND	0.41	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:02	BGL
Anthracene	2.4	0.41	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:02	BGL
Benzo(a)anthracene	8.6	0.41	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:02	BGL
Benzo(a)pyrene	7.1	0.41	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:02	BGL
Benzo(b)fluoranthene	9.7	0.41	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:02	BGL
Benzo(g,h,i)perylene	3.4	0.41	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:02	BGL
Benzo(k)fluoranthene	3.7	0.41	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:02	BGL
Chrysene	8.7	0.41	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:02	BGL
Dibenz(a,h)anthracene	0.98	0.41	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:02	BGL
Fluoranthene	19	0.83	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:58	BGL
Fluorene	0.87	0.41	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:02	BGL
Indeno(1,2,3-cd)pyrene	4.8	0.41	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:02	BGL
2-Methylnaphthalene	ND	0.41	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:02	BGL
Naphthalene	0.67	0.41	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:02	BGL
Phenanthrene	14	0.83	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:58	BGL
Pyrene	16	0.83	mg/Kg dry	2		SW-846 8270C	4/5/10	4/8/10 12:58	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	81.7	30-130		4/6/10 18:02
2-Fluorobiphenyl	85.7	30-130		4/6/10 18:02
Terphenyl-d14	73.4	30-130		4/6/10 18:02

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-3
Sampled: 4/2/2010 09:55

Sample ID: 10D0047-03

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chromium	27	0.60	mg/Kg dry	1		SW-846 6010B	4/6/10	4/7/10 11:41	OP
Nickel	44	0.60	mg/Kg dry	1		SW-846 6010B	4/6/10	4/7/10 11:41	OP

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Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-3
Sampled: 4/2/2010 09:55

Sample ID: 10D0047-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.3		% Wt	1		SM 2540G	4/5/10	4/6/10 8:45	NH

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Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047
Date Received: 4/2/2010
Field Sample #: SS-4
Sampled: 4/2/2010 10:20
Sample ID: 10D0047-04
Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.048	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 10:05	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00048	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Benzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Bromobenzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Bromochloromethane	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Bromodichloromethane	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Bromoform	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Bromomethane	ND	0.0048	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
2-Butanone (MEK)	ND	0.019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
n-Butylbenzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
sec-Butylbenzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
tert-Butylbenzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00048	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Carbon Disulfide	ND	0.0029	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Carbon Tetrachloride	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Chlorobenzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Chlorodibromomethane	ND	0.00048	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Chloroethane	ND	0.0096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Chloroform	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Chloromethane	ND	0.0048	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
2-Chlorotoluene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
4-Chlorotoluene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,2-Dibromoethane (EDB)	ND	0.00048	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Dibromomethane	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,2-Dichlorobenzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,3-Dichlorobenzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,4-Dichlorobenzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.0096	mg/Kg dry	1	V-05	SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,1-Dichloroethane	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,2-Dichloroethane	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,1-Dichloroethylene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
cis-1,2-Dichloroethylene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
trans-1,2-Dichloroethylene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,2-Dichloropropane	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,3-Dichloropropane	ND	0.00048	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
2,2-Dichloropropane	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,1-Dichloropropene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
cis-1,3-Dichloropropene	ND	0.00048	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
trans-1,3-Dichloropropene	ND	0.00048	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Diethyl Ether	ND	0.0096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Diisopropyl Ether (DIPE)	ND	0.00048	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,4-Dioxane	ND	0.048	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Ethylbenzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF

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

Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-4 | Sampled: 4/2/2010 10:20

Sample ID: 10D0047-04

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
2-Hexanone (MBK)	ND	0.0096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Isopropylbenzene (Cumene)	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Methylene Chloride	ND	0.0096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.0096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Naphthalene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
n-Propylbenzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Styrene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,1,1,2-Tetrachloroethane	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.00048	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Tetrachloroethylene	0.0024	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Tetrahydrofuran	ND	0.0048	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Toluene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,2,3-Trichlorobenzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,2,4-Trichlorobenzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,1,1-Trichloroethane	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,1,2-Trichloroethane	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Trichloroethylene	0.058	0.00096	mg/Kg dry	1	MS-09	SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0048	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,2,3-Trichloropropane	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,2,4-Trimethylbenzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
1,3,5-Trimethylbenzene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
Vinyl Chloride	ND	0.0048	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
m+p Xylene	ND	0.0019	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF
o-Xylene	ND	0.00096	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:05	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	88.2	70-130		4/5/10 10:05
Toluene-d8	98.4	70-130		4/5/10 10:05
4-Bromofluorobenzene	100	70-130		4/5/10 10:05

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-4
Sampled: 4/2/2010 10:20

Sample ID: 10D0047-04

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Benzo(a)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Benzo(a)pyrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Benzo(b)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Benzo(g,h,i)perylene	ND	0.19	mg/Kg dry	1	R-06	SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Benzo(k)fluoranthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Chrysene	ND	0.19	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1	R-06	SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Fluoranthene	0.20	0.19	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Indeno(1,2,3-cd)pyrene	ND	0.19	mg/Kg dry	1	R-06	SW-846 8270C	4/5/10	4/6/10 18:32	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Phenanthrene	ND	0.19	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:32	BGL
Pyrene	0.19	0.19	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 18:32	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	103	30-130		4/6/10 18:32
2-Fluorobiphenyl	122	30-130		4/6/10 18:32
Terphenyl-d14	107	30-130		4/6/10 18:32

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-4
Sampled: 4/2/2010 10:20

Sample ID: 10D0047-04

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chromium	110	0.55	mg/Kg dry	1	MS-09	SW-846 6010B	4/8/10	4/8/10 16:29	KSH
Nickel	110	0.55	mg/Kg dry	1		SW-846 6010B	4/8/10	4/8/10 16:29	KSH

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-4
Sampled: 4/2/2010 10:20

Sample ID: 10D0047-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	4/5/10	4/6/10 8:45	NH

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Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-5 | Sampled: 4/2/2010 11:00

Sample ID: 10D0047-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.067	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 10:31	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00067	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Benzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Bromobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Bromochloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Bromodichloromethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Bromoform	ND	0.0027	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Bromomethane	ND	0.0067	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
2-Butanone (MEK)	ND	0.027	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
n-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
sec-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
tert-Butylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00067	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Carbon Disulfide	ND	0.0040	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Carbon Tetrachloride	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Chlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Chlorodibromomethane	ND	0.00067	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Chloroethane	ND	0.013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Chloroform	ND	0.0027	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Chloromethane	ND	0.0067	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
2-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
4-Chlorotoluene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0027	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,2-Dibromoethane (EDB)	ND	0.00067	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Dibromomethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,2-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,3-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,4-Dichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.013	mg/Kg dry	1	V-05	SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,1-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,2-Dichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,1-Dichloroethylene	ND	0.0027	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
cis-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
trans-1,2-Dichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,3-Dichloropropane	ND	0.00067	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
2,2-Dichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,1-Dichloropropene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
cis-1,3-Dichloropropene	ND	0.00067	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
trans-1,3-Dichloropropene	ND	0.00067	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Diethyl Ether	ND	0.013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Diisopropyl Ether (DIPE)	ND	0.00067	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,4-Dioxane	ND	0.067	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Ethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF

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

Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-5 | Sampled: 4/2/2010 11:00

Sample ID: 10D0047-05

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
2-Hexanone (MBK)	ND	0.013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Isopropylbenzene (Cumene)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0027	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Methylene Chloride	ND	0.013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Naphthalene	ND	0.0027	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
n-Propylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Styrene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,1,1,2-Tetrachloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.00067	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Tetrachloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Tetrahydrofuran	ND	0.0067	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Toluene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,2,3-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,2,4-Trichlorobenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,1,1-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,1,2-Trichloroethane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Trichloroethylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0067	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,2,3-Trichloropropane	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,2,4-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
1,3,5-Trimethylbenzene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
Vinyl Chloride	ND	0.0067	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
m+p Xylene	ND	0.0027	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF
o-Xylene	ND	0.0013	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	81.3	70-130		4/5/10 10:31
Toluene-d8	94.2	70-130		4/5/10 10:31
4-Bromofluorobenzene	91.8	70-130		4/5/10 10:31

con-test® ANALYTICAL LABORATORY

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

Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-5 | Sampled: 4/2/2010 11:00

Sample ID: 10D0047-05

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	0.63	0.22	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:02	BGL
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:02	BGL
Anthracene	1.3	0.22	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:02	BGL
Benzo(a)anthracene	3.5	0.22	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:02	BGL
Benzo(a)pyrene	3.1	0.22	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:02	BGL
Benzo(b)fluoranthene	4.0	0.22	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:02	BGL
Benzo(g,h,i)perylene	1.2	0.22	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:02	BGL
Benzo(k)fluoranthene	1.5	0.22	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:02	BGL
Chrysene	3.6	0.22	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:02	BGL
Dibenz(a,h)anthracene	0.33	0.22	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:02	BGL
Fluoranthene	6.3	1.1	mg/Kg dry	5		SW-846 8270C	4/5/10	4/8/10 13:28	BGL
Fluorene	0.62	0.22	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:02	BGL
Indeno(1,2,3-cd)pyrene	1.5	0.22	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:02	BGL
2-Methylnaphthalene	0.23	0.22	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:02	BGL
Naphthalene	0.36	0.22	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:02	BGL
Phenanthrene	6.3	1.1	mg/Kg dry	5		SW-846 8270C	4/5/10	4/8/10 13:28	BGL
Pyrene	6.5	1.1	mg/Kg dry	5		SW-846 8270C	4/5/10	4/8/10 13:28	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	100	30-130		4/6/10 19:02
2-Fluorobiphenyl	99.4	30-130		4/6/10 19:02
Terphenyl-d14	85.2	30-130		4/6/10 19:02

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-5
Sampled: 4/2/2010 11:00

Sample ID: 10D0047-05

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chromium	78	0.66	mg/Kg dry	1		SW-846 6010B	4/6/10	4/7/10 11:45	OP
Nickel	250	0.66	mg/Kg dry	1		SW-846 6010B	4/6/10	4/7/10 11:45	OP

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-5
Sampled: 4/2/2010 11:00

Sample ID: 10D0047-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	76.2		% Wt	1		SM 2540G	4/5/10	4/6/10 8:45	NH

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

Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-6 | Sampled: 4/2/2010 11:10

Sample ID: 10D0047-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.054	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 10:59	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00054	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Benzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Bromobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Bromochloromethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Bromodichloromethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Bromoform	ND	0.0022	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Bromomethane	ND	0.0054	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
2-Butanone (MEK)	ND	0.022	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
n-Butylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
sec-Butylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
tert-Butylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00054	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Carbon Disulfide	ND	0.0032	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Carbon Tetrachloride	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Chlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Chlorodibromomethane	ND	0.00054	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Chloroethane	ND	0.011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Chloroform	ND	0.0022	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Chloromethane	ND	0.0054	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
2-Chlorotoluene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
4-Chlorotoluene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,2-Dibromoethane (EDB)	ND	0.00054	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Dibromomethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,2-Dichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,3-Dichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,4-Dichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.011	mg/Kg dry	1	V-05	SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,1-Dichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,2-Dichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,1-Dichloroethylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
cis-1,2-Dichloroethylene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
trans-1,2-Dichloroethylene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,2-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,3-Dichloropropane	ND	0.00054	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
2,2-Dichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,1-Dichloropropene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
cis-1,3-Dichloropropene	ND	0.00054	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
trans-1,3-Dichloropropene	ND	0.00054	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Diethyl Ether	ND	0.011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Diisopropyl Ether (DIPE)	ND	0.00054	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,4-Dioxane	ND	0.054	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Ethylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-6
Sampled: 4/2/2010 11:10

Sample ID: 10D0047-06

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
2-Hexanone (MBK)	ND	0.011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Isopropylbenzene (Cumene)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0022	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Methylene Chloride	ND	0.011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Naphthalene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
n-Propylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Styrene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,1,1,2-Tetrachloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,1,2,2-Tetrachloroethane	ND	0.00054	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Tetrachloroethylene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Tetrahydrofuran	ND	0.0054	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Toluene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,2,3-Trichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,2,4-Trichlorobenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,1,1-Trichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,1,2-Trichloroethane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Trichloroethylene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0054	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,2,3-Trichloropropane	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,2,4-Trimethylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
1,3,5-Trimethylbenzene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
Vinyl Chloride	ND	0.0054	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
m+p Xylene	ND	0.0022	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF
o-Xylene	ND	0.0011	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 10:59	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	85.4	70-130		4/5/10 10:59
Toluene-d8	99.2	70-130		4/5/10 10:59
4-Bromofluorobenzene	87.6	70-130		4/5/10 10:59

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-6
Sampled: 4/2/2010 11:10

Sample ID: 10D0047-06

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Benzo(a)anthracene	0.27	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Benzo(a)pyrene	0.26	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Benzo(b)fluoranthene	0.34	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Chrysene	0.33	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Fluoranthene	0.39	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Phenanthrene	0.31	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL
Pyrene	0.47	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 19:31	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	80.1	30-130		4/6/10 19:31
2-Fluorobiphenyl	77.8	30-130		4/6/10 19:31
Terphenyl-d14	84.5	30-130		4/6/10 19:31

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-6
Sampled: 4/2/2010 11:10

Sample ID: 10D0047-06

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chromium	13	0.58	mg/Kg dry	1		SW-846 6010B	4/6/10	4/7/10 11:49	OP
Nickel	21	0.58	mg/Kg dry	1		SW-846 6010B	4/6/10	4/7/10 11:50	OP

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-6
Sampled: 4/2/2010 11:10

Sample ID: 10D0047-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.5		% Wt	1		SM 2540G	4/5/10	4/6/10 8:45	NH

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Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-Dup | Sampled: 4/2/2010 11:20

Sample ID: 10D0047-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.060	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 11:25	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00060	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Benzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Bromobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Bromochloromethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Bromodichloromethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Bromoform	ND	0.0024	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Bromomethane	ND	0.0060	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
2-Butanone (MEK)	ND	0.024	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
n-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
sec-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
tert-Butylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00060	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Carbon Disulfide	ND	0.0036	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Carbon Tetrachloride	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Chlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Chlorodibromomethane	ND	0.00060	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Chloroethane	ND	0.012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Chloroform	ND	0.0024	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Chloromethane	ND	0.0060	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
2-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
4-Chlorotoluene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,2-Dibromoethane (EDB)	ND	0.00060	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Dibromomethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,2-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,3-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,4-Dichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.012	mg/Kg dry	1	V-05	SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,1-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,2-Dichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,1-Dichloroethylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
cis-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
trans-1,2-Dichloroethylene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,3-Dichloropropane	ND	0.00060	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
2,2-Dichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,1-Dichloropropene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
cis-1,3-Dichloropropene	ND	0.00060	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
trans-1,3-Dichloropropene	ND	0.00060	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Diethyl Ether	ND	0.012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Diisopropyl Ether (DIPE)	ND	0.00060	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,4-Dioxane	ND	0.060	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Ethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-Dup | Sampled: 4/2/2010 11:20

Sample ID: 10D0047-07

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
2-Hexanone (MBK)	ND	0.012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Isopropylbenzene (Cumene)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0024	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Methylene Chloride	ND	0.012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Naphthalene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
n-Propylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Styrene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,1,1,2-Tetrachloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,1,2,2-Tetrachloroethane	ND	0.00060	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Tetrachloroethylene	0.0015	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Tetrahydrofuran	ND	0.0060	mg/Kg dry	1	V-16	SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Toluene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,2,3-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,2,4-Trichlorobenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,1,1-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,1,2-Trichloroethane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Trichloroethylene	0.046	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0060	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,2,3-Trichloropropane	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,2,4-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
1,3,5-Trimethylbenzene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
Vinyl Chloride	ND	0.0060	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
m+p Xylene	ND	0.0024	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF
o-Xylene	ND	0.0012	mg/Kg dry	1		SW-846 8260B	4/5/10	4/5/10 11:25	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	88.6	70-130		4/5/10 11:25
Toluene-d8	99.6	70-130		4/5/10 11:25
4-Bromofluorobenzene	94.5	70-130		4/5/10 11:25

con-test® ANALYTICAL LABORATORY

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

Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-Dup | Sampled: 4/2/2010 11:20

Sample ID: 10D0047-07

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Acenaphthylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Benzo(a)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Benzo(a)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Benzo(b)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Benzo(g,h,i)perylene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Benzo(k)fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Chrysene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Dibenz(a,h)anthracene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Fluoranthene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Fluorene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Indeno(1,2,3-cd)pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
2-Methylnaphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Naphthalene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Phenanthrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL
Pyrene	ND	0.20	mg/Kg dry	1		SW-846 8270C	4/5/10	4/6/10 20:00	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
Nitrobenzene-d5	93.4	30-130		4/6/10 20:00
2-Fluorobiphenyl	103	30-130		4/6/10 20:00
Terphenyl-d14	87.2	30-130		4/6/10 20:00

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-Dup
Sampled: 4/2/2010 11:20

Sample ID: 10D0047-07

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Chromium	100	0.58	mg/Kg dry	1		SW-846 6010B	4/6/10	4/7/10 11:54	OP
Nickel	120	0.58	mg/Kg dry	1		SW-846 6010B	4/6/10	4/7/10 11:54	OP

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

Project Location: City of New Bedford - Payne
Sample Description:
Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: SS-Dup
Sampled: 4/2/2010 11:20

Sample ID: 10D0047-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	4/5/10	4/6/10 8:45	NH

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

Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: Trip Blank | Sampled: 4/2/2010 00:00

Sample ID: 10D0047-08

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg wet	1	V-16	SW-846 8260B	4/5/10	4/5/10 11:51	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Bromochloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Bromoform	ND	0.0040	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Bromomethane	ND	0.010	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Chlorodibromomethane	ND	0.0010	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Chloromethane	ND	0.010	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1	V-05	SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Diethyl Ether	ND	0.020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,4-Dioxane	ND	0.10	mg/Kg wet	1	V-16	SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF

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

Project Location: City of New Bedford - Payne | Sample Description: | Work Order: 10D0047

Date Received: 4/2/2010

Field Sample #: Trip Blank | Sampled: 4/2/2010 00:00

Sample ID: 10D0047-08

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1	V-16	SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	4/5/10	4/5/10 11:51	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	96.4	70-130		4/5/10 11:51
Toluene-d8	98.5	70-130		4/5/10 11:51
4-Bromofluorobenzene	102	70-130		4/5/10 11:51

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10D0047-01 [SS-1]	B012149	04/05/10
10D0047-02 [SS-2]	B012149	04/05/10
10D0047-03 [SS-3]	B012149	04/05/10
10D0047-04 [SS-4]	B012149	04/05/10
10D0047-05 [SS-5]	B012149	04/05/10
10D0047-06 [SS-6]	B012149	04/05/10
10D0047-07 [SS-Dup]	B012149	04/05/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10D0047-01 [SS-1]	B012215	1.0099	50	04/06/10
10D0047-02 [SS-2]	B012215	0.9995	50	04/06/10
10D0047-03 [SS-3]	B012215	1.0195	50	04/06/10
10D0047-05 [SS-5]	B012215	0.9998	50	04/06/10
10D0047-06 [SS-6]	B012215	1.0074	50	04/06/10
10D0047-07 [SS-Dup]	B012215	1.0009	50	04/06/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10D0047-04RE1 [SS-4]	B012276	1.0085	50	04/08/10

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10D0047-01 [SS-1]	B012177	7.5	10	04/05/10
10D0047-02 [SS-2]	B012177	7.3	10	04/05/10
10D0047-03 [SS-3]	B012177	6.3	10	04/05/10
10D0047-04 [SS-4]	B012177	11.6	10	04/05/10
10D0047-05 [SS-5]	B012177	9.8	10	04/05/10
10D0047-06 [SS-6]	B012177	10.8	10	04/05/10
10D0047-07 [SS-Dup]	B012177	9.6	10	04/05/10
10D0047-08 [Trip Blank]	B012177	5	10	04/05/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10D0047-01 [SS-1]	B012158	30	2	04/05/10
10D0047-02 [SS-2]	B012158	30.1	2	04/05/10
10D0047-03 [SS-3]	B012158	30	2	04/05/10
10D0047-04 [SS-4]	B012158	30	1	04/05/10
10D0047-05 [SS-5]	B012158	30	1	04/05/10
10D0047-06 [SS-6]	B012158	30	1	04/05/10
10D0047-07 [SS-Dup]	B012158	30	1	04/05/10

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B012177 - SW-846 5035										
Blank (B012177-BLK1)				Prepared & Analyzed: 04/05/10						
Acetone	ND	0.10	mg/Kg wet							V-16
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0040	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							
2-Butanone (MEK)	ND	0.040	mg/Kg wet							
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0010	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0040	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							V-05
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							V-16
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B012177 - SW-846 5035											
Blank (B012177-BLK1)				Prepared & Analyzed: 04/05/10							
n-Propylbenzene	ND	0.0020	mg/Kg wet								
Styrene	ND	0.0020	mg/Kg wet								
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet								
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet								
Tetrachloroethylene	ND	0.0020	mg/Kg wet								
Tetrahydrofuran	ND	0.010	mg/Kg wet							V-16	
Toluene	ND	0.0020	mg/Kg wet								
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet								
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet								
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet								
Trichloroethylene	ND	0.0020	mg/Kg wet								
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet								
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet								
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet								
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet								
Vinyl Chloride	ND	0.010	mg/Kg wet								
m+p Xylene	ND	0.0040	mg/Kg wet								
o-Xylene	ND	0.0020	mg/Kg wet								
Surrogate: 1,2-Dichloroethane-d4	*0.0457*		mg/Kg wet	0.0500		91.4	70-130				
Surrogate: Toluene-d8	*0.0486*		mg/Kg wet	0.0500		97.2	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0472*		mg/Kg wet	0.0500		94.5	70-130				
LCS (B012177-BS1)				Prepared & Analyzed: 04/05/10							
Acetone	0.196	0.10	mg/Kg wet	0.200		98.0	70-160			V-16	†
tert-Amyl Methyl Ether (TAME)	0.0199	0.0010	mg/Kg wet	0.0200		99.5	70-130				
Benzene	0.0188	0.0020	mg/Kg wet	0.0200		93.8	70-130				
Bromobenzene	0.0200	0.0020	mg/Kg wet	0.0200		99.8	70-130				
Bromochloromethane	0.0193	0.0020	mg/Kg wet	0.0200		96.7	70-130				
Bromodichloromethane	0.0198	0.0020	mg/Kg wet	0.0200		99.1	70-130				
Bromoform	0.0184	0.0040	mg/Kg wet	0.0200		92.0	70-130				
Bromomethane	0.0145	0.010	mg/Kg wet	0.0200		72.5	40-130				†
2-Butanone (MEK)	0.181	0.040	mg/Kg wet	0.200		90.5	70-160				†
n-Butylbenzene	0.0223	0.0020	mg/Kg wet	0.0200		111	70-130				
sec-Butylbenzene	0.0228	0.0020	mg/Kg wet	0.0200		114	70-130				
tert-Butylbenzene	0.0236	0.0020	mg/Kg wet	0.0200		118	70-160				†
tert-Butyl Ethyl Ether (TBEE)	0.0204	0.0010	mg/Kg wet	0.0200		102	70-130				
Carbon Disulfide	0.0211	0.0060	mg/Kg wet	0.0200		105	70-130				
Carbon Tetrachloride	0.0251	0.0020	mg/Kg wet	0.0200		126	70-130				
Chlorobenzene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130				
Chlorodibromomethane	0.0240	0.0010	mg/Kg wet	0.0200		120	70-130				
Chloroethane	0.0222	0.020	mg/Kg wet	0.0200		111	70-130				
Chloroform	0.0199	0.0040	mg/Kg wet	0.0200		99.4	70-130				
Chloromethane	0.0190	0.010	mg/Kg wet	0.0200		94.9	70-130				
2-Chlorotoluene	0.0210	0.0020	mg/Kg wet	0.0200		105	70-130				
4-Chlorotoluene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0193	0.0040	mg/Kg wet	0.0200		96.7	70-130				
1,2-Dibromoethane (EDB)	0.0197	0.0010	mg/Kg wet	0.0200		98.7	70-130				
Dibromomethane	0.0193	0.0020	mg/Kg wet	0.0200		96.3	70-130				
1,2-Dichlorobenzene	0.0215	0.0020	mg/Kg wet	0.0200		108	70-130				
1,3-Dichlorobenzene	0.0225	0.0020	mg/Kg wet	0.0200		112	70-130				
1,4-Dichlorobenzene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B012177 - SW-846 5035												
LCS (B012177-BS1)				Prepared & Analyzed: 04/05/10								
Dichlorodifluoromethane (Freon 12)	0.0190	0.020	mg/Kg wet	0.0200		95.2		40-160			V-05	†
1,1-Dichloroethane	0.0192	0.0020	mg/Kg wet	0.0200		95.8		70-130				
1,2-Dichloroethane	0.0188	0.0020	mg/Kg wet	0.0200		94.2		70-130				
1,1-Dichloroethylene	0.0232	0.0040	mg/Kg wet	0.0200		116		70-130				
cis-1,2-Dichloroethylene	0.0193	0.0020	mg/Kg wet	0.0200		96.7		70-130				
trans-1,2-Dichloroethylene	0.0204	0.0020	mg/Kg wet	0.0200		102		70-130				
1,2-Dichloropropane	0.0189	0.0020	mg/Kg wet	0.0200		94.3		70-130				
1,3-Dichloropropane	0.0185	0.0010	mg/Kg wet	0.0200		92.7		70-130				
2,2-Dichloropropane	0.0222	0.0020	mg/Kg wet	0.0200		111		70-130				
1,1-Dichloropropene	0.0195	0.0020	mg/Kg wet	0.0200		97.5		70-130				
cis-1,3-Dichloropropene	0.0218	0.0010	mg/Kg wet	0.0200		109		70-130				
trans-1,3-Dichloropropene	0.0268	0.0010	mg/Kg wet	0.0200		**134**	*	70-130			L-02	
Diethyl Ether	0.0218	0.020	mg/Kg wet	0.0200		109		70-130				
Diisopropyl Ether (DIPE)	0.0200	0.0010	mg/Kg wet	0.0200		100		70-130				
1,4-Dioxane	0.169	0.10	mg/Kg wet	0.200		84.7		40-160			V-16	†
Ethylbenzene	0.0209	0.0020	mg/Kg wet	0.0200		104		70-130				
Hexachlorobutadiene	0.0250	0.0020	mg/Kg wet	0.0200		125		70-160				
2-Hexanone (MBK)	0.182	0.020	mg/Kg wet	0.200		91.2		70-160				†
Isopropylbenzene (Cumene)	0.0253	0.0020	mg/Kg wet	0.0200		126		70-130				
p-Isopropyltoluene (p-Cymene)	0.0236	0.0020	mg/Kg wet	0.0200		118		70-130				
Methyl tert-Butyl Ether (MTBE)	0.0205	0.0040	mg/Kg wet	0.0200		103		70-130				
Methylene Chloride	0.0178	0.020	mg/Kg wet	0.0200		88.8		40-160				†
4-Methyl-2-pentanone (MIBK)	0.188	0.020	mg/Kg wet	0.200		93.9		70-160				†
Naphthalene	0.0175	0.0040	mg/Kg wet	0.0200		87.5		40-130				†
n-Propylbenzene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130				
Styrene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130				
1,1,1,2-Tetrachloroethane	0.0249	0.0020	mg/Kg wet	0.0200		125		70-130				
1,1,2,2-Tetrachloroethane	0.0196	0.0010	mg/Kg wet	0.0200		97.8		70-130				
Tetrachloroethylene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130				
Tetrahydrofuran	0.0179	0.010	mg/Kg wet	0.0200		89.3		70-130			V-16	
Toluene	0.0206	0.0020	mg/Kg wet	0.0200		103		70-130				
1,2,3-Trichlorobenzene	0.0209	0.0020	mg/Kg wet	0.0200		104		70-130				
1,2,4-Trichlorobenzene	0.0217	0.0020	mg/Kg wet	0.0200		108		70-130				
1,1,1-Trichloroethane	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130				
1,1,2-Trichloroethane	0.0195	0.0020	mg/Kg wet	0.0200		97.6		70-130				
Trichloroethylene	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130				
Trichlorofluoromethane (Freon 11)	0.0207	0.010	mg/Kg wet	0.0200		104		70-130				
1,2,3-Trichloropropane	0.0166	0.0020	mg/Kg wet	0.0200		82.8		70-130				
1,2,4-Trimethylbenzene	0.0236	0.0020	mg/Kg wet	0.0200		118		70-130				
1,3,5-Trimethylbenzene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130				
Vinyl Chloride	0.0192	0.010	mg/Kg wet	0.0200		96.2		40-130				†
m+p Xylene	0.0438	0.0040	mg/Kg wet	0.0400		110		70-130				
o-Xylene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0480*		mg/Kg wet	0.0500		96.0		70-130				
Surrogate: Toluene-d8	*0.0485*		mg/Kg wet	0.0500		97.0		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0482*		mg/Kg wet	0.0500		96.3		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B012177 - SW-846 5035												
LCS Dup (B012177-BSD1)				Prepared & Analyzed: 04/05/10								
Acetone	0.179	0.10	mg/Kg wet	0.200		89.7		70-160	8.84	25	V-16	†
tert-Amyl Methyl Ether (TAME)	0.0186	0.0010	mg/Kg wet	0.0200		92.8		70-130	6.97	25		
Benzene	0.0194	0.0020	mg/Kg wet	0.0200		97.1		70-130	3.46	25		
Bromobenzene	0.0205	0.0020	mg/Kg wet	0.0200		102		70-130	2.57	25		
Bromochloromethane	0.0193	0.0020	mg/Kg wet	0.0200		96.3		70-130	0.415	25		
Bromodichloromethane	0.0197	0.0020	mg/Kg wet	0.0200		98.4		70-130	0.709	25		
Bromoform	0.0178	0.0040	mg/Kg wet	0.0200		89.2		70-130	3.09	25		
Bromomethane	0.0168	0.010	mg/Kg wet	0.0200		84.0		40-130	14.7	25		†
2-Butanone (MEK)	0.166	0.040	mg/Kg wet	0.200		83.0		70-160	8.59	25		†
n-Butylbenzene	0.0227	0.0020	mg/Kg wet	0.0200		113		70-130	1.78	25		
sec-Butylbenzene	0.0238	0.0020	mg/Kg wet	0.0200		119		70-130	4.37	25		
tert-Butylbenzene	0.0241	0.0020	mg/Kg wet	0.0200		120		70-160	2.02	25		†
tert-Butyl Ethyl Ether (TBEE)	0.0194	0.0010	mg/Kg wet	0.0200		97.1		70-130	4.82	25		
Carbon Disulfide	0.0219	0.0060	mg/Kg wet	0.0200		110		70-130	4.00	25		
Carbon Tetrachloride	0.0257	0.0020	mg/Kg wet	0.0200		128		70-130	2.36	25		
Chlorobenzene	0.0219	0.0020	mg/Kg wet	0.0200		110		70-130	4.39	25		
Chlorodibromomethane	0.0231	0.0010	mg/Kg wet	0.0200		116		70-130	3.65	25		
Chloroethane	0.0235	0.020	mg/Kg wet	0.0200		117		70-130	5.42	25		
Chloroform	0.0199	0.0040	mg/Kg wet	0.0200		99.3		70-130	0.101	25		
Chloromethane	0.0196	0.010	mg/Kg wet	0.0200		97.9		70-130	3.11	25		
2-Chlorotoluene	0.0217	0.0020	mg/Kg wet	0.0200		108		70-130	3.00	25		
4-Chlorotoluene	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130	2.67	25		
1,2-Dibromo-3-chloropropane (DBCP)	0.0164	0.0040	mg/Kg wet	0.0200		81.8		70-130	16.7	25		
1,2-Dibromoethane (EDB)	0.0194	0.0010	mg/Kg wet	0.0200		96.9		70-130	1.84	25		
Dibromomethane	0.0187	0.0020	mg/Kg wet	0.0200		93.4		70-130	3.06	25		
1,2-Dichlorobenzene	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130	1.48	25		
1,3-Dichlorobenzene	0.0230	0.0020	mg/Kg wet	0.0200		115		70-130	2.28	25		
1,4-Dichlorobenzene	0.0220	0.0020	mg/Kg wet	0.0200		110		70-130	1.74	25		
Dichlorodifluoromethane (Freon 12)	0.0197	0.020	mg/Kg wet	0.0200		98.6		40-160	3.51	25	V-05	†
1,1-Dichloroethane	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130	5.28	25		
1,2-Dichloroethane	0.0191	0.0020	mg/Kg wet	0.0200		95.6		70-130	1.48	25		
1,1-Dichloroethylene	0.0249	0.0040	mg/Kg wet	0.0200		125		70-130	7.06	25		
cis-1,2-Dichloroethylene	0.0199	0.0020	mg/Kg wet	0.0200		99.5		70-130	2.85	25		
trans-1,2-Dichloroethylene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130	4.69	25		
1,2-Dichloropropane	0.0188	0.0020	mg/Kg wet	0.0200		94.2		70-130	0.106	25		
1,3-Dichloropropane	0.0187	0.0010	mg/Kg wet	0.0200		93.4		70-130	0.752	25		
2,2-Dichloropropane	0.0231	0.0020	mg/Kg wet	0.0200		115		70-130	3.62	25		
1,1-Dichloropropene	0.0198	0.0020	mg/Kg wet	0.0200		99.2		70-130	1.73	25		
cis-1,3-Dichloropropene	0.0214	0.0010	mg/Kg wet	0.0200		107		70-130	1.48	25		
trans-1,3-Dichloropropene	0.0264	0.0010	mg/Kg wet	0.0200		**132**	*	70-130	1.28	25	L-02	
Diethyl Ether	0.0212	0.020	mg/Kg wet	0.0200		106		70-130	2.61	25		
Diisopropyl Ether (DIPE)	0.0197	0.0010	mg/Kg wet	0.0200		98.6		70-130	1.41	25		
1,4-Dioxane	0.169	0.10	mg/Kg wet	0.200		84.7		40-160	0.0236	50	V-16	† ‡
Ethylbenzene	0.0221	0.0020	mg/Kg wet	0.0200		111		70-130	5.67	25		
Hexachlorobutadiene	0.0255	0.0020	mg/Kg wet	0.0200		127		70-160	1.98	25		
2-Hexanone (MBK)	0.165	0.020	mg/Kg wet	0.200		82.6		70-160	9.93	25		†
Isopropylbenzene (Cumene)	0.0260	0.0020	mg/Kg wet	0.0200		130		70-130	2.81	25		
p-Isopropyltoluene (p-Cymene)	0.0244	0.0020	mg/Kg wet	0.0200		122		70-130	3.17	25		
Methyl tert-Butyl Ether (MTBE)	0.0188	0.0040	mg/Kg wet	0.0200		94.2		70-130	8.54	25		
Methylene Chloride	0.0187	0.020	mg/Kg wet	0.0200		93.5		40-160	5.16	25		†
4-Methyl-2-pentanone (MIBK)	0.170	0.020	mg/Kg wet	0.200		85.1		70-160	9.84	25		†
Naphthalene	0.0161	0.0040	mg/Kg wet	0.0200		80.6		40-130	8.21	25		†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B012177 - SW-846 5035												
LCS Dup (B012177-BSD1)				Prepared & Analyzed: 04/05/10								
n-Propylbenzene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130	3.78	25		
Styrene	0.0217	0.0020	mg/Kg wet	0.0200		109		70-130	3.46	25		
1,1,1,2-Tetrachloroethane	0.0254	0.0020	mg/Kg wet	0.0200		127		70-130	1.91	25		
1,1,2,2-Tetrachloroethane	0.0180	0.0010	mg/Kg wet	0.0200		89.9		70-130	8.42	25		
Tetrachloroethylene	0.0224	0.0020	mg/Kg wet	0.0200		112		70-130	7.32	25		
Tetrahydrofuran	0.0157	0.010	mg/Kg wet	0.0200		78.5		70-130	12.9	25	V-16	
Toluene	0.0214	0.0020	mg/Kg wet	0.0200		107		70-130	3.81	25		
1,2,3-Trichlorobenzene	0.0201	0.0020	mg/Kg wet	0.0200		100		70-130	4.10	25		
1,2,4-Trichlorobenzene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130	3.19	25		
1,1,1-Trichloroethane	0.0218	0.0020	mg/Kg wet	0.0200		109		70-130	2.89	25		
1,1,2-Trichloroethane	0.0183	0.0020	mg/Kg wet	0.0200		91.6		70-130	6.34	25		
Trichloroethylene	0.0211	0.0020	mg/Kg wet	0.0200		105		70-130	4.07	25		
Trichlorofluoromethane (Freon 11)	0.0220	0.010	mg/Kg wet	0.0200		110		70-130	5.90	25		
1,2,3-Trichloropropane	0.0151	0.0020	mg/Kg wet	0.0200		75.6		70-130	9.09	25		
1,2,4-Trimethylbenzene	0.0244	0.0020	mg/Kg wet	0.0200		122		70-130	3.25	25		
1,3,5-Trimethylbenzene	0.0224	0.0020	mg/Kg wet	0.0200		112		70-130	4.38	25		
Vinyl Chloride	0.0207	0.010	mg/Kg wet	0.0200		104		40-130	7.41	25		†
m+p Xylene	0.0460	0.0040	mg/Kg wet	0.0400		115		70-130	4.81	25		
o-Xylene	0.0222	0.0020	mg/Kg wet	0.0200		111		70-130	2.74	25		
Surrogate: 1,2-Dichloroethane-d4	*0.0429*		mg/Kg wet	0.0500		85.8		70-130				
Surrogate: Toluene-d8	*0.0491*		mg/Kg wet	0.0500		98.1		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0476*		mg/Kg wet	0.0500		95.2		70-130				
Matrix Spike (B012177-MS1)		**Source: 10D0047-04**		Prepared & Analyzed: 04/05/10								
Acetone	0.150	0.047	mg/Kg dry	0.0932	ND	**161**	*	70-130			MS-13, V-16	
tert-Amyl Methyl Ether (TAME)	0.00892	0.00047	mg/Kg dry	0.00932	ND	95.7		70-130				
Benzene	0.00901	0.00093	mg/Kg dry	0.00932	ND	96.7		70-130				
Bromobenzene	0.00912	0.00093	mg/Kg dry	0.00932	ND	97.8		70-130				
Bromochloromethane	0.00997	0.00093	mg/Kg dry	0.00932	ND	107		70-130				
Bromodichloromethane	0.00921	0.00093	mg/Kg dry	0.00932	ND	98.8		70-130				
Bromoform	0.00743	0.0019	mg/Kg dry	0.00932	ND	79.7		70-130				
Bromomethane	0.00754	0.0047	mg/Kg dry	0.00932	ND	80.9		70-130				
2-Butanone (MEK)	0.102	0.019	mg/Kg dry	0.0932	ND	110		70-130				
n-Butylbenzene	0.00984	0.00093	mg/Kg dry	0.00932	ND	106		70-130				
sec-Butylbenzene	0.0100	0.00093	mg/Kg dry	0.00932	ND	107		70-130				
tert-Butylbenzene	0.0104	0.00093	mg/Kg dry	0.00932	ND	111		70-130				
tert-Butyl Ethyl Ether (TBEE)	0.00951	0.00047	mg/Kg dry	0.00932	ND	102		70-130				
Carbon Disulfide	0.00919	0.0028	mg/Kg dry	0.00932	ND	98.6		70-130				
Carbon Tetrachloride	0.0108	0.00093	mg/Kg dry	0.00932	ND	116		70-130				
Chlorobenzene	0.00991	0.00093	mg/Kg dry	0.00932	ND	106		70-130				
Chlorodibromomethane	0.0102	0.00047	mg/Kg dry	0.00932	ND	109		70-130				
Chloroethane	0.0102	0.0093	mg/Kg dry	0.00932	ND	110		70-130				
Chloroform	0.00959	0.0019	mg/Kg dry	0.00932	ND	103		70-130				
Chloromethane	0.00857	0.0047	mg/Kg dry	0.00932	ND	91.9		70-130				
2-Chlorotoluene	0.00968	0.00093	mg/Kg dry	0.00932	ND	104		70-130				
4-Chlorotoluene	0.0100	0.00093	mg/Kg dry	0.00932	ND	108		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.00698	0.0019	mg/Kg dry	0.00932	ND	74.9		70-130				
1,2-Dibromoethane (EDB)	0.00909	0.00047	mg/Kg dry	0.00932	ND	97.5		70-130				
Dibromomethane	0.00891	0.00093	mg/Kg dry	0.00932	ND	95.6		70-130				
1,2-Dichlorobenzene	0.00985	0.00093	mg/Kg dry	0.00932	ND	106		70-130				
1,3-Dichlorobenzene	0.00996	0.00093	mg/Kg dry	0.00932	ND	107		70-130				
1,4-Dichlorobenzene	0.00986	0.00093	mg/Kg dry	0.00932	ND	106		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B012177 - SW-846 5035											
Matrix Spike (B012177-MS1)		**Source: 10D0047-04**		Prepared & Analyzed: 04/05/10							
Dichlorodifluoromethane (Freon 12)	0.00831	0.0093	mg/Kg dry	0.00932	ND	89.1		70-130			V-05
1,1-Dichloroethane	0.00937	0.00093	mg/Kg dry	0.00932	ND	100		70-130			
1,2-Dichloroethane	0.00942	0.00093	mg/Kg dry	0.00932	ND	101		70-130			
1,1-Dichloroethylene	0.0109	0.0019	mg/Kg dry	0.00932	ND	117		70-130			
cis-1,2-Dichloroethylene	0.00959	0.00093	mg/Kg dry	0.00932	4.82E-4	97.7		70-130			
trans-1,2-Dichloroethylene	0.00955	0.00093	mg/Kg dry	0.00932	ND	102		70-130			
1,2-Dichloropropane	0.00913	0.00093	mg/Kg dry	0.00932	ND	97.9		70-130			
1,3-Dichloropropane	0.00902	0.00047	mg/Kg dry	0.00932	ND	96.8		70-130			
2,2-Dichloropropane	0.00948	0.00093	mg/Kg dry	0.00932	ND	102		70-130			
1,1-Dichloropropene	0.00912	0.00093	mg/Kg dry	0.00932	ND	97.8		70-130			
cis-1,3-Dichloropropene	0.00969	0.00047	mg/Kg dry	0.00932	ND	104		70-130			
trans-1,3-Dichloropropene	0.0115	0.00047	mg/Kg dry	0.00932	ND	123		70-130			L-02
Diethyl Ether	0.0106	0.0093	mg/Kg dry	0.00932	ND	114		70-130			
Diisopropyl Ether (DIPE)	0.00992	0.00047	mg/Kg dry	0.00932	ND	106		70-130			
1,4-Dioxane	0.0805	0.047	mg/Kg dry	0.0932	ND	86.4		70-130			V-16
Ethylbenzene	0.00980	0.00093	mg/Kg dry	0.00932	ND	105		70-130			
Hexachlorobutadiene	0.0104	0.00093	mg/Kg dry	0.00932	ND	112		70-130			
2-Hexanone (MBK)	0.101	0.0093	mg/Kg dry	0.0932	ND	108		70-130			
Isopropylbenzene (Cumene)	0.0113	0.00093	mg/Kg dry	0.00932	ND	122		70-130			
p-Isopropyltoluene (p-Cymene)	0.0104	0.00093	mg/Kg dry	0.00932	ND	111		70-130			
Methyl tert-Butyl Ether (MTBE)	0.00942	0.0019	mg/Kg dry	0.00932	ND	101		70-130			
Methylene Chloride	0.0106	0.0093	mg/Kg dry	0.00932	0.00188	93.2		70-130			
4-Methyl-2-pentanone (MIBK)	0.0936	0.0093	mg/Kg dry	0.0932	ND	100		70-130			
Naphthalene	0.00695	0.0019	mg/Kg dry	0.00932	ND	74.6		70-130			
n-Propylbenzene	0.00940	0.00093	mg/Kg dry	0.00932	ND	101		70-130			
Styrene	0.00982	0.00093	mg/Kg dry	0.00932	ND	105		70-130			
1,1,1,2-Tetrachloroethane	0.0110	0.00093	mg/Kg dry	0.00932	ND	118		70-130			
1,1,2,2-Tetrachloroethane	0.00871	0.00047	mg/Kg dry	0.00932	ND	93.4		70-130			
Tetrachloroethylene	0.0102	0.00093	mg/Kg dry	0.00932	0.00236	84.1		70-130			
Tetrahydrofuran	0.00825	0.0047	mg/Kg dry	0.00932	ND	88.5		70-130			V-16
Toluene	0.00976	0.00093	mg/Kg dry	0.00932	ND	105		70-130			
1,2,3-Trichlorobenzene	0.00893	0.00093	mg/Kg dry	0.00932	ND	95.8		70-130			
1,2,4-Trichlorobenzene	0.00935	0.00093	mg/Kg dry	0.00932	ND	100		70-130			
1,1,1-Trichloroethane	0.00947	0.00093	mg/Kg dry	0.00932	ND	102		70-130			
1,1,2-Trichloroethane	0.00910	0.00093	mg/Kg dry	0.00932	ND	97.6		70-130			
Trichloroethylene	0.0328	0.00093	mg/Kg dry	0.00932	0.0578	**-269**	*	70-130			MS-09
Trichlorofluoromethane (Freon 11)	0.00992	0.0047	mg/Kg dry	0.00932	ND	106		70-130			
1,2,3-Trichloropropane	0.00740	0.00093	mg/Kg dry	0.00932	ND	79.4		70-130			
1,2,4-Trimethylbenzene	0.0108	0.00093	mg/Kg dry	0.00932	ND	115		70-130			
1,3,5-Trimethylbenzene	0.00984	0.00093	mg/Kg dry	0.00932	ND	106		70-130			
Vinyl Chloride	0.00878	0.0047	mg/Kg dry	0.00932	ND	94.2		70-130			
m+p Xylene	0.0205	0.0019	mg/Kg dry	0.0186	ND	110		70-130			
o-Xylene	0.00990	0.00093	mg/Kg dry	0.00932	ND	106		70-130			
Surrogate: 1,2-Dichloroethane-d4	*0.0219*		mg/Kg dry	0.0233		93.8		70-130			
Surrogate: Toluene-d8	*0.0233*		mg/Kg dry	0.0233		100		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0226*		mg/Kg dry	0.0233		96.8		70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B012177 - SW-846 5035										
Matrix Spike Dup (B012177-MSD1)		**Source: 10D0047-04**		Prepared & Analyzed: 04/05/10						
Acetone	0.136	0.052	mg/Kg dry	0.105	ND	130	70-130	10.1	30	V-16
tert-Amyl Methyl Ether (TAME)	0.00987	0.00052	mg/Kg dry	0.0105	ND	94.4	70-130	10.1	30	
Benzene	0.0104	0.0010	mg/Kg dry	0.0105	ND	99.4	70-130	14.2	30	
Bromobenzene	0.00912	0.0010	mg/Kg dry	0.0105	ND	87.2	70-130	0.00573	30	
Bromochloromethane	0.0105	0.0010	mg/Kg dry	0.0105	ND	100	70-130	5.10	30	
Bromodichloromethane	0.00883	0.0010	mg/Kg dry	0.0105	ND	84.5	70-130	4.17	30	
Bromoform	0.00765	0.0021	mg/Kg dry	0.0105	ND	73.2	70-130	2.96	30	
Bromomethane	0.00764	0.0052	mg/Kg dry	0.0105	ND	73.1	70-130	1.33	30	
2-Butanone (MEK)	0.115	0.021	mg/Kg dry	0.105	ND	110	70-130	11.3	30	
n-Butylbenzene	0.0108	0.0010	mg/Kg dry	0.0105	ND	103	70-130	8.97	30	
sec-Butylbenzene	0.0112	0.0010	mg/Kg dry	0.0105	ND	107	70-130	10.9	30	
tert-Butylbenzene	0.0116	0.0010	mg/Kg dry	0.0105	ND	111	70-130	11.6	30	
tert-Butyl Ethyl Ether (TBEE)	0.0102	0.00052	mg/Kg dry	0.0105	ND	97.3	70-130	6.75	30	
Carbon Disulfide	0.00847	0.0031	mg/Kg dry	0.0105	ND	81.0	70-130	8.19	30	
Carbon Tetrachloride	0.0106	0.0010	mg/Kg dry	0.0105	ND	101	70-130	1.91	30	
Chlorobenzene	0.0109	0.0010	mg/Kg dry	0.0105	ND	104	70-130	9.66	30	
Chlorodibromomethane	0.0102	0.00052	mg/Kg dry	0.0105	ND	97.7	70-130	0.247	30	
Chloroethane	0.00966	0.010	mg/Kg dry	0.0105	ND	92.4	70-130	5.69	30	
Chloroform	0.00989	0.0021	mg/Kg dry	0.0105	ND	94.6	70-130	3.06	30	
Chloromethane	0.00840	0.0052	mg/Kg dry	0.0105	ND	80.4	70-130	1.90	30	
2-Chlorotoluene	0.00961	0.0010	mg/Kg dry	0.0105	ND	91.9	70-130	0.806	30	
4-Chlorotoluene	0.00988	0.0010	mg/Kg dry	0.0105	ND	94.5	70-130	1.70	30	
1,2-Dibromo-3-chloropropane (DBCP)	0.00891	0.0021	mg/Kg dry	0.0105	ND	85.2	70-130	24.2	30	
1,2-Dibromoethane (EDB)	0.00911	0.00052	mg/Kg dry	0.0105	ND	87.1	70-130	0.187	30	
Dibromomethane	0.00862	0.0010	mg/Kg dry	0.0105	ND	82.5	70-130	3.27	30	
1,2-Dichlorobenzene	0.0107	0.0010	mg/Kg dry	0.0105	ND	103	70-130	8.48	30	
1,3-Dichlorobenzene	0.0112	0.0010	mg/Kg dry	0.0105	ND	107	70-130	11.8	30	
1,4-Dichlorobenzene	0.0107	0.0010	mg/Kg dry	0.0105	ND	102	70-130	8.10	30	
Dichlorodifluoromethane (Freon 12)	0.00787	0.010	mg/Kg dry	0.0105	ND	75.3	70-130	5.36	30	V-05
1,1-Dichloroethane	0.0103	0.0010	mg/Kg dry	0.0105	ND	98.2	70-130	9.14	30	
1,2-Dichloroethane	0.00960	0.0010	mg/Kg dry	0.0105	ND	91.8	70-130	1.82	30	
1,1-Dichloroethylene	0.0104	0.0021	mg/Kg dry	0.0105	ND	99.5	70-130	4.91	30	
cis-1,2-Dichloroethylene	0.0106	0.0010	mg/Kg dry	0.0105	4.82E-4	96.9	70-130	10.1	30	
trans-1,2-Dichloroethylene	0.00968	0.0010	mg/Kg dry	0.0105	ND	92.6	70-130	1.41	30	
1,2-Dichloropropane	0.00899	0.0010	mg/Kg dry	0.0105	ND	86.0	70-130	1.49	30	
1,3-Dichloropropane	0.00898	0.00052	mg/Kg dry	0.0105	ND	85.9	70-130	0.480	30	
2,2-Dichloropropane	0.00983	0.0010	mg/Kg dry	0.0105	ND	94.0	70-130	3.59	30	
1,1-Dichloropropene	0.00995	0.0010	mg/Kg dry	0.0105	ND	95.2	70-130	8.77	30	
cis-1,3-Dichloropropene	0.00962	0.00052	mg/Kg dry	0.0105	ND	92.0	70-130	0.794	30	
trans-1,3-Dichloropropene	0.0113	0.00052	mg/Kg dry	0.0105	ND	108	70-130	1.88	30	L-02
Diethyl Ether	0.00991	0.010	mg/Kg dry	0.0105	ND	94.8	70-130	6.53	30	
Diisopropyl Ether (DIPE)	0.0110	0.00052	mg/Kg dry	0.0105	ND	105	70-130	10.1	30	
1,4-Dioxane	0.0875	0.052	mg/Kg dry	0.105	ND	83.7	70-130	8.36	30	V-16
Ethylbenzene	0.0111	0.0010	mg/Kg dry	0.0105	ND	106	70-130	12.2	30	
Hexachlorobutadiene	0.0110	0.0010	mg/Kg dry	0.0105	ND	106	70-130	5.93	30	
2-Hexanone (MBK)	0.0996	0.010	mg/Kg dry	0.105	ND	95.2	70-130	0.951	30	
Isopropylbenzene (Cumene)	0.0113	0.0010	mg/Kg dry	0.0105	ND	108	70-130	0.0245	30	
p-Isopropyltoluene (p-Cymene)	0.0115	0.0010	mg/Kg dry	0.0105	ND	110	70-130	10.2	30	
Methyl tert-Butyl Ether (MTBE)	0.00950	0.0021	mg/Kg dry	0.0105	ND	90.9	70-130	0.831	30	
Methylene Chloride	0.0111	0.010	mg/Kg dry	0.0105	0.00188	88.3	70-130	5.00	30	
4-Methyl-2-pentanone (MIBK)	0.0965	0.010	mg/Kg dry	0.105	ND	92.3	70-130	3.05	30	
Naphthalene	0.00854	0.0021	mg/Kg dry	0.0105	ND	81.7	70-130	20.5	30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B012177 - SW-846 5035											
Matrix Spike Dup (B012177-MSD1)		**Source: 10D0047-04**		Prepared & Analyzed: 04/05/10							
n-Propylbenzene	0.00936	0.0010	mg/Kg dry	0.0105	ND	89.5		70-130	0.424	30	
Styrene	0.00988	0.0010	mg/Kg dry	0.0105	ND	94.5		70-130	0.645	30	
1,1,1,2-Tetrachloroethane	0.0123	0.0010	mg/Kg dry	0.0105	ND	118		70-130	11.0	30	
1,1,2,2-Tetrachloroethane	0.00897	0.00052	mg/Kg dry	0.0105	ND	85.8		70-130	2.98	30	
Tetrachloroethylene	0.0106	0.0010	mg/Kg dry	0.0105	0.00236	78.8		70-130	3.87	30	
Tetrahydrofuran	0.0111	0.0052	mg/Kg dry	0.0105	ND	106		70-130	29.8	30	V-16
Toluene	0.00946	0.0010	mg/Kg dry	0.0105	ND	90.5		70-130	3.11	30	
1,2,3-Trichlorobenzene	0.00953	0.0010	mg/Kg dry	0.0105	ND	91.2		70-130	6.54	30	
1,2,4-Trichlorobenzene	0.0100	0.0010	mg/Kg dry	0.0105	ND	95.7		70-130	6.77	30	
1,1,1-Trichloroethane	0.00957	0.0010	mg/Kg dry	0.0105	ND	91.5		70-130	0.996	30	
1,1,2-Trichloroethane	0.00918	0.0010	mg/Kg dry	0.0105	ND	87.8		70-130	0.885	30	
Trichloroethylene	0.0306	0.0010	mg/Kg dry	0.0105	0.0578	**-260**	*	70-130	6.81	30	MS-09
Trichlorofluoromethane (Freon 11)	0.00939	0.0052	mg/Kg dry	0.0105	ND	89.8		70-130	5.49	30	
1,2,3-Trichloropropane	0.00764	0.0010	mg/Kg dry	0.0105	ND	73.1		70-130	3.20	30	
1,2,4-Trimethylbenzene	0.0121	0.0010	mg/Kg dry	0.0105	ND	115		70-130	11.5	30	
1,3,5-Trimethylbenzene	0.00975	0.0010	mg/Kg dry	0.0105	ND	93.3		70-130	0.918	30	
Vinyl Chloride	0.00826	0.0052	mg/Kg dry	0.0105	ND	79.0		70-130	6.13	30	
m+p Xylene	0.0234	0.0021	mg/Kg dry	0.0209	ND	112		70-130	13.4	30	
o-Xylene	0.0100	0.0010	mg/Kg dry	0.0105	ND	95.7		70-130	1.06	30	
Surrogate: 1,2-Dichloroethane-d4	*0.0216*		mg/Kg dry	0.0261		82.6		70-130			
Surrogate: Toluene-d8	*0.0231*		mg/Kg dry	0.0261		88.5		70-130			
Surrogate: 4-Bromofluorobenzene	*0.0230*		mg/Kg dry	0.0261		88.0		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B012158 - SW-846 3546											
Blank (B012158-BLK1)				Prepared & Analyzed: 04/05/10							
Acenaphthene	ND	0.17	mg/Kg wet								
Acenaphthylene	ND	0.17	mg/Kg wet								
Anthracene	ND	0.17	mg/Kg wet								
Benzo(a)anthracene	ND	0.17	mg/Kg wet								
Benzo(a)pyrene	ND	0.17	mg/Kg wet								
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet								
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet								
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet								
Chrysene	ND	0.17	mg/Kg wet								
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet								
Fluoranthene	ND	0.17	mg/Kg wet								
Fluorene	ND	0.17	mg/Kg wet								
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet								
2-Methylnaphthalene	ND	0.17	mg/Kg wet								
Naphthalene	ND	0.17	mg/Kg wet								
Phenanthrene	ND	0.17	mg/Kg wet								
Pyrene	ND	0.17	mg/Kg wet								
Surrogate: Nitrobenzene-d5	*4.04*		mg/Kg wet	6.67		60.7		30-130			
Surrogate: 2-Fluorobiphenyl	*4.34*		mg/Kg wet	6.67		65.0		30-130			
Surrogate: Terphenyl-d14	*5.53*		mg/Kg wet	6.67		82.9		30-130			
LCS (B012158-BS1)				Prepared & Analyzed: 04/05/10							
Acenaphthene	1.47	0.17	mg/Kg wet	1.67		88.1		40-140			
Acenaphthylene	1.51	0.17	mg/Kg wet	1.67		90.4		40-140			
Anthracene	1.51	0.17	mg/Kg wet	1.67		90.8		40-140			
Benzo(a)anthracene	1.56	0.17	mg/Kg wet	1.67		93.7		40-140			
Benzo(a)pyrene	1.53	0.17	mg/Kg wet	1.67		91.7		40-140			
Benzo(b)fluoranthene	1.30	0.17	mg/Kg wet	1.67		77.9		40-140			
Benzo(g,h,i)perylene	1.95	0.17	mg/Kg wet	1.67		117		40-140			
Benzo(k)fluoranthene	1.42	0.17	mg/Kg wet	1.67		85.3		40-140			
Chrysene	1.56	0.17	mg/Kg wet	1.67		93.4		40-140			
Dibenz(a,h)anthracene	1.82	0.17	mg/Kg wet	1.67		110		40-140			
Fluoranthene	1.57	0.17	mg/Kg wet	1.67		94.4		40-140			
Fluorene	1.41	0.17	mg/Kg wet	1.67		84.6		40-140			
Indeno(1,2,3-cd)pyrene	1.95	0.17	mg/Kg wet	1.67		117		40-140			
2-Methylnaphthalene	1.40	0.17	mg/Kg wet	1.67		83.8		40-140			
Naphthalene	1.39	0.17	mg/Kg wet	1.67		83.2		40-140			
Phenanthrene	1.51	0.17	mg/Kg wet	1.67		90.4		40-140			
Pyrene	1.88	0.17	mg/Kg wet	1.67		113		40-140			
Surrogate: Nitrobenzene-d5	*3.60*		mg/Kg wet	3.33		108		30-130			
Surrogate: 2-Fluorobiphenyl	*3.91*		mg/Kg wet	3.33		117		30-130			
Surrogate: Terphenyl-d14	*4.67*		mg/Kg wet	3.33		**140**	*	30-130			S-07

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B012158 - SW-846 3546											
LCS Dup (B012158-BSD1)				Prepared & Analyzed: 04/05/10							
Acenaphthene	1.63	0.17	mg/Kg wet	1.67		98.0		40-140	10.6	30	
Acenaphthylene	1.68	0.17	mg/Kg wet	1.67		101		40-140	10.7	30	
Anthracene	1.67	0.17	mg/Kg wet	1.67		100		40-140	9.96	30	
Benzo(a)anthracene	1.73	0.17	mg/Kg wet	1.67		104		40-140	10.2	30	
Benzo(a)pyrene	1.73	0.17	mg/Kg wet	1.67		104		40-140	12.3	30	
Benzo(b)fluoranthene	1.52	0.17	mg/Kg wet	1.67		91.0		40-140	15.5	30	
Benzo(g,h,i)perylene	2.26	0.17	mg/Kg wet	1.67		136		40-140	15.0	30	
Benzo(k)fluoranthene	1.71	0.17	mg/Kg wet	1.67		102		40-140	18.2	30	
Chrysene	1.68	0.17	mg/Kg wet	1.67		101		40-140	7.58	30	
Dibenz(a,h)anthracene	2.14	0.17	mg/Kg wet	1.67		128		40-140	15.7	30	
Fluoranthene	1.36	0.17	mg/Kg wet	1.67		81.3		40-140	14.8	30	
Fluorene	1.62	0.17	mg/Kg wet	1.67		97.3		40-140	13.9	30	
Indeno(1,2,3-cd)pyrene	2.32	0.17	mg/Kg wet	1.67		139		40-140	17.2	30	
2-Methylnaphthalene	1.57	0.17	mg/Kg wet	1.67		94.4		40-140	11.9	30	
Naphthalene	1.56	0.17	mg/Kg wet	1.67		93.5		40-140	11.7	30	
Phenanthrene	1.68	0.17	mg/Kg wet	1.67		101		40-140	10.9	30	
Pyrene	2.11	0.17	mg/Kg wet	1.67		127		40-140	11.7	30	
Surrogate: Nitrobenzene-d5	*3.71*		mg/Kg wet	3.33		111		30-130			
Surrogate: 2-Fluorobiphenyl	*4.15*		mg/Kg wet	3.33		125		30-130			
Surrogate: Terphenyl-d14	*5.05*		mg/Kg wet	3.33		**151**	*	30-130			S-07
Matrix Spike (B012158-MS1)		**Source: 10D0047-04**		Prepared: 04/05/10 Analyzed: 04/06/10							
Acenaphthene	1.55	0.19	mg/Kg dry	1.86	ND	83.1		40-140			
Acenaphthylene	1.55	0.19	mg/Kg dry	1.86	ND	83.2		40-140			
Anthracene	1.59	0.19	mg/Kg dry	1.86	ND	85.3		40-140			
Benzo(a)anthracene	1.75	0.19	mg/Kg dry	1.86	0.119	87.7		40-140			
Benzo(a)pyrene	1.64	0.19	mg/Kg dry	1.86	ND	88.1		40-140			
Benzo(b)fluoranthene	1.60	0.19	mg/Kg dry	1.86	0.119	79.2		40-140			
Benzo(g,h,i)perylene	1.36	0.19	mg/Kg dry	1.86	ND	72.8		40-140			R-06
Benzo(k)fluoranthene	1.70	0.19	mg/Kg dry	1.86	ND	91.4		40-140			
Chrysene	1.72	0.19	mg/Kg dry	1.86	0.129	85.2		40-140			
Dibenz(a,h)anthracene	1.41	0.19	mg/Kg dry	1.86	ND	75.8		40-140			R-06
Fluoranthene	1.69	0.19	mg/Kg dry	1.86	0.198	80.1		40-140			
Fluorene	1.52	0.19	mg/Kg dry	1.86	ND	81.4		40-140			
Indeno(1,2,3-cd)pyrene	1.53	0.19	mg/Kg dry	1.86	ND	82.0		40-140			R-06
2-Methylnaphthalene	1.64	0.19	mg/Kg dry	1.86	ND	88.1		40-140			
Naphthalene	1.49	0.19	mg/Kg dry	1.86	ND	79.8		40-140			
Phenanthrene	1.69	0.19	mg/Kg dry	1.86	0.164	81.7		40-140			
Pyrene	1.71	0.19	mg/Kg dry	1.86	0.191	81.7		40-140			
Surrogate: Nitrobenzene-d5	*3.32*		mg/Kg dry	3.73		89.1		30-130			
Surrogate: 2-Fluorobiphenyl	*3.26*		mg/Kg dry	3.73		87.4		30-130			
Surrogate: Terphenyl-d14	*3.48*		mg/Kg dry	3.73		93.4		30-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD		RPD Limit	Notes
Batch B012158 - SW-846 3546											
Matrix Spike Dup (B012158-MSD1)		**Source: 10D0047-04**		Prepared: 04/05/10 Analyzed: 04/06/10							
Acenaphthene	1.30	0.19	mg/Kg dry	1.86	ND	69.8	40-140	17.4		30	
Acenaphthylene	1.30	0.19	mg/Kg dry	1.86	ND	70.0	40-140	17.2		30	
Anthracene	1.35	0.19	mg/Kg dry	1.86	ND	72.4	40-140	16.3		30	
Benzo(a)anthracene	1.48	0.19	mg/Kg dry	1.86	0.119	73.0	40-140	17.0		30	
Benzo(a)pyrene	1.40	0.19	mg/Kg dry	1.86	ND	75.1	40-140	15.9		30	
Benzo(b)fluoranthene	1.45	0.19	mg/Kg dry	1.86	0.119	71.5	40-140	9.44		30	
Benzo(g,h,i)perylene	0.919	0.19	mg/Kg dry	1.86	ND	49.3	40-140	**38.5**	*	30	R-06
Benzo(k)fluoranthene	1.54	0.19	mg/Kg dry	1.86	ND	82.7	40-140	10.0		30	
Chrysene	1.43	0.19	mg/Kg dry	1.86	0.129	69.6	40-140	18.5		30	
Dibenz(a,h)anthracene	0.998	0.19	mg/Kg dry	1.86	ND	53.5	40-140	**34.4**	*	30	R-06
Fluoranthene	1.44	0.19	mg/Kg dry	1.86	0.198	66.4	40-140	16.4		30	
Fluorene	1.30	0.19	mg/Kg dry	1.86	ND	69.7	40-140	15.5		30	
Indeno(1,2,3-cd)pyrene	1.07	0.19	mg/Kg dry	1.86	ND	57.2	40-140	**35.7**	*	30	R-06
2-Methylnaphthalene	1.37	0.19	mg/Kg dry	1.86	ND	73.6	40-140	17.9		30	
Naphthalene	1.27	0.19	mg/Kg dry	1.86	ND	68.0	40-140	16.0		30	
Phenanthrene	1.39	0.19	mg/Kg dry	1.86	0.164	65.5	40-140	19.6		30	
Pyrene	1.42	0.19	mg/Kg dry	1.86	0.191	65.9	40-140	18.8		30	
Surrogate: Nitrobenzene-d5	*2.87*		mg/Kg dry	3.73		77.0	30-130				
Surrogate: 2-Fluorobiphenyl	*2.77*		mg/Kg dry	3.73		74.2	30-130				
Surrogate: Terphenyl-d14	*3.04*		mg/Kg dry	3.73		81.6	30-130				

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B012215 - SW-846 3050B											
Blank (B012215-BLK1)				Prepared: 04/06/10 Analyzed: 04/07/10							
Chromium	ND	0.50	mg/Kg wet								
Nickel	ND	0.50	mg/Kg wet								
LCS (B012215-BS1)				Prepared: 04/06/10 Analyzed: 04/07/10							
Chromium	110	1.0	mg/Kg wet	89.4		**123**	*	78.8-120.7			L-07
Nickel	109	1.0	mg/Kg wet	98.9		110		81.2-119.2			
LCS Dup (B012215-BSD1)				Prepared: 04/06/10 Analyzed: 04/07/10							
Chromium	93.6	1.0	mg/Kg wet	89.5		105		78.8-120.7	15.8	30	
Nickel	95.9	1.0	mg/Kg wet	99.0		96.9		81.2-119.2	13.0	30	
Batch B012276 - SW-846 3050B											
Blank (B012276-BLK1)				Prepared & Analyzed: 04/08/10							
Chromium	ND	0.50	mg/Kg wet								
Nickel	ND	0.50	mg/Kg wet								
LCS (B012276-BS1)				Prepared & Analyzed: 04/08/10							
Chromium	95.6	0.99	mg/Kg wet	88.9		108		78.8-120.7			
Nickel	104	0.99	mg/Kg wet	98.4		105		81.2-119.2			
LCS Dup (B012276-BSD1)				Prepared & Analyzed: 04/08/10							
Chromium	101	1.0	mg/Kg wet	89.4		113		78.8-120.7	5.22	30	
Nickel	103	1.0	mg/Kg wet	98.9		104		81.2-119.2	1.01	30	
Duplicate (B012276-DUP1)	**Source: 10D0047-04RE1**			Prepared & Analyzed: 04/08/10							
Chromium	87.6	0.56	mg/Kg dry		107				19.7	35	
Nickel	100	0.56	mg/Kg dry		108				7.56	35	
Matrix Spike (B012276-MS1)	**Source: 10D0047-04RE1**			Prepared & Analyzed: 04/08/10							
Chromium	115	0.56	mg/Kg dry	28.0	107	**31.1**	*	75-125			MS-09
Nickel	136	0.56	mg/Kg dry	28.0	108	101		75-125			
Matrix Spike Dup (B012276-MSD1)	**Source: 10D0047-04RE1**			Prepared & Analyzed: 04/08/10							
Chromium	118	0.55	mg/Kg dry	27.7	107	**41.8**	*	75-125	2.48	35	MS-09
Nickel	160	0.55	mg/Kg dry	27.7	108	**188**	*	75-125	16.1	35	MS-13

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B012149 - % Solids										
Duplicate (B012149-DUP2)		**Source: 10D0047-01**		Prepared: 04/05/10 Analyzed: 04/06/10						
% Solids	76.6		% Wt		75.0			2.11	20	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-09	Matrix spike recovery and matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-13	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
S-07	One associated surrogate standard recovery is outside of control limits but the other(s) is/are within limits. All recoveries are > 10%.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010B in Soil	
Chromium	CT,NH,NY
Nickel	CT,NH,NY
SW-846 8260B in Soil	
Acetone	CT,NH,NY
Benzene	CT,NH,NY
Bromobenzene	NH,NY
Bromochloromethane	NH,NY
Bromodichloromethane	CT,NH,NY
Bromoform	CT,NH,NY
Bromomethane	CT,NH,NY
2-Butanone (MEK)	CT,NH,NY
n-Butylbenzene	CT,NH,NY
sec-Butylbenzene	CT,NH,NY
tert-Butylbenzene	CT,NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY
Chlorobenzene	CT,NH,NY
Chlorodibromomethane	CT,NH,NY
Chloroethane	CT,NH,NY
Chloroform	CT,NH,NY
Chloromethane	CT,NH,NY
2-Chlorotoluene	CT,NH,NY
4-Chlorotoluene	CT,NH,NY
Dibromomethane	NH,NY
1,2-Dichlorobenzene	CT,NH,NY
1,3-Dichlorobenzene	CT,NH,NY
1,4-Dichlorobenzene	CT,NH,NY
Dichlorodifluoromethane (Freon 12)	NY
1,1-Dichloroethane	CT,NH,NY
1,2-Dichloroethane	CT,NH,NY
1,1-Dichloroethylene	CT,NH,NY
cis-1,2-Dichloroethylene	CT,NH,NY
trans-1,2-Dichloroethylene	CT,NH,NY
1,2-Dichloropropane	CT,NH,NY
1,3-Dichloropropane	NH,NY
2,2-Dichloropropane	NH,NY
1,1-Dichloropropene	NH,NY
cis-1,3-Dichloropropene	CT,NH,NY
trans-1,3-Dichloropropene	CT,NH,NY
Ethylbenzene	CT,NH,NY
Hexachlorobutadiene	NH,NY
2-Hexanone (MBK)	CT,NH,NY
Isopropylbenzene (Cumene)	CT,NH,NY
Methylene Chloride	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
Styrene	CT,NH,NY
1,1,1,2-Tetrachloroethane	CT,NH,NY
1,1,2,2-Tetrachloroethane	CT,NH,NY
Tetrachloroethylene	CT,NH,NY
Toluene	CT,NH,NY
1,2,4-Trichlorobenzene	NH,NY
1,1,1-Trichloroethane	CT,NH,NY
1,1,2-Trichloroethane	CT,NH,NY
Trichloroethylene	CT,NH,NY
Trichlorofluoromethane (Freon 11)	CT,NH,NY
1,2,3-Trichloropropane	NH,NY
1,2,4-Trimethylbenzene	CT,NH,NY
1,3,5-Trimethylbenzene	CT,NH,NY
Vinyl Chloride	CT,NH,NY
m+p Xylene	CT,NH,NY
o-Xylene	CT,NH,NY
SW-846 8270C in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
Naphthalene	CT,NY,NH
Phenanthrene	CT,NY,NH
Pyrene	CT,NY,NH

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

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

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

CHAIN OF CUSTODY RECORD

10D0047

Page 1 of 1

Company Name: TRC
Address: 650 Suffolk St
Lowell MA 01854
Attention: Dave Sullivan
Project Location: City of New Bedford - Payne Cutlery
Sampled By: J. Grady

Telephone: (978) 656-3565
Project # 172744
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 2007 proposal date
State Form Required? ☒ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	PAHs	VOCs	Total Chromium	Total Nickel								
									PAH - Ni + Cr together											
									9	30	9	9								# of containers
									—	40 ml HCl + 20 DI	—	—								**Preservation
																				~Cont. Code
	SS-1	01	4/2/10	0840		X	S	U	X	X	X	X								
	SS-2	02	↓	0920		↓	↓	↓	↓	↓	↓	↓								
	SS-3	03	↓	0955 ~~1020~~		↓	↓	↓	↓	↓	↓	↓								
	SS-4	04	↓	4/2 ~~1100~~ 1040		↓	↓	↓	↓	↓	↓	↓								
	~~SS-5~~ SS-5	05	↓	1100		↓	↓	↓	↓	↓	↓	↓								
	SS-6	06	↓	1110		↓	↓	↓	↓	↓	↓	↓								
	SS-DUP	07	4/2/10	1120		X	S	U	X	X	X	X								
	Trip Blank	08	—	—		—	—	—		X										

Client Comments:
MS/MSD

DI VIALS / ENCORE FROZEN AT: 04-02-10 15:22 OIT

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:
James A Grady	4/2/10 1212
Received by: (signature)	Date/Time:
[illegible]	4-2-10 1812
Relinquished by: (signature)	Date/Time:
[illegible]	4-2-10 1445
Received by: (signature)	Date/Time:
Joseph A Rice 6°C	4/2/10 1445

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

Detection Limit Requirements
Regulations? MCP S-1
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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con-test ANALYTICAL LABORATORY

Sample Receipt Checklist

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

CLIENT NAME: TRC RECEIVED BY: JDP DATE: 4/2/10

1) Was the chain(s) of custody relinquished and signed? Yes No
2) Does the chain agree with the samples? Yes No
If not, explain:
3) Are all the samples in good condition? Yes No
If not, explain:
4) How were the samples received:
On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑
Were the samples received in Temperature Compliance of (2-6°C)? Yes No
Temperature °C by Temp blank 6°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)	9	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	30	Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

DI VIALS / ENCORE FROZEN AT:

40 mL vials: # HCl _____ # Methanol 10
Bisulfate _____ # DI Water 20
Thiosulfate _____ Unpreserved _____

Time and Date Frozen: 4-02-10 15:22 DDI

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

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Con-Test Analytical Laboratory	Project #:	10D0047
Project Location:	City of New Bedford - Payne Cutley	MADEP RTN1[1]:	

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

10D0047-01 thru 10D0047-08

Sample Matrices: Soil

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:		Position:	Laboratory Manager
Printed Name:	Daren J. Damboragian	Date:	04/09/10

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

July 15, 2010

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

Project Location: New Bedford, MA
Client Job Number:
Project Number: 172744
Laboratory Work Order Number: 10G0017

Enclosed are results of analyses for samples received by the laboratory on June 30, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

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

REPORT DATE: 7/15/2010

PURCHASE ORDER NUMBER: 25147

PROJECT NUMBER: 172744

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10G0017

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

PROJECT LOCATION: New Bedford, MA

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
GRUB-1	10G0017-01	Soil		SM 2540G	
				SW-846 6010B	
				SW-846 7471A	
				SW-846 8082	
				SW-846 8100 Modified	
				SW-846 8260B	
				SW-846 8270C	
Trip Blank	10G0017-02	Trip Blank Soil		SW-846 8260B	

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CASE NARRATIVE SUMMARY

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

Second Revised Report - 07/15/2010 - Additional details regarding switched samples - The samples Grub-1 and Trip Blank were loaded onto the instrument before the login procedure was complete. The samples were entered into the instrument sequence using the client IDs as Lab ID numbers were not assigned yet. After analysis, as the analyst was uploading the data to LIMs, sample Grub-1 was incorrectly labeled 10G0017-02 and the sample Trip Blank was labeled 10G0017-01. The raw data displayed that the sample Grub-1 contained a detection of trichloroethene and the sample Trip Blank was non-detect. Samples were re-reported with the correct client IDs associated with sample results.

REVISED REPORT - 07/12/2010 - Grub-1 and trip blank 8260 results switched.

For method 6010, only RCRA 5 metals were requested and reported.

For method 8260, CAM reporting limits were not met for some compounds because these levels were not supported by the lowest point of the calibration.

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SW-846 8260B

Qualifications:

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

Analyte & Samples(s) Qualified:

Bromomethane, Chloromethane

10G0017-01[GRUB-1], 10G0017-02[Trip Blank], B015676-BLK1, B015676-BS1, B015676-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Acetone

B015676-BS1

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

Analyte & Samples(s) Qualified:

Bromomethane

10G0017-01[GRUB-1], 10G0017-02[Trip Blank], B015676-BLK1, B015676-BS1, B015676-BSD1

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

Analyte & Samples(s) Qualified:

Naphthalene

10G0017-01[GRUB-1], 10G0017-02[Trip Blank]

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

Analyte & Samples(s) Qualified:

1,1,1,2-Tetrachloroethane, Carbon Tetrachloride, Chlorodibromomethane, Naphthalene

B015676-BS1, B015676-BSD1

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

Analyte & Samples(s) Qualified:

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

10G0017-01[GRUB-1], 10G0017-02[Trip Blank], B015676-BLK1, B015676-BS1, B015676-BSD1

SW-846 8270C

Qualifications:

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

Analyte & Samples(s) Qualified:

3/4-Methylphenol, Bis(2-chloroisopropyl)ether

10G0017-01[GRUB-1]

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SW-846 8260B

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

Duplicate laboratory fortified blank RPDs were all within control limits specified by the method except for “difficult analytes” where RPDs of 50% are used and/or unless otherwise listed in this narrative. Difficult analyte: 1,4-dioxane

SW-846 8270C

Laboratory control sample recoveries for required MCP Data Enhancement 8270 compounds were all within control limits specified by the method, 40-140% for base/neutrals and 30-130% for acids except for “difficult analytes” listed below and/or otherwise listed in this narrative. Difficult analytes for soil LCS - limits between 10 and 180% depending on the compound(see QC summary report for limits): 3,3’-dichlorobenzidine, aniline, 2,4-dinitrophenol, and 4-chloroaniline.

Duplicate laboratory fortified blank RPDs were all less than or equal to 20% for water or 30% for soil except for ”difficult analytes” where RPDs of 50% are used and/or otherwise listed below or elsewhere in this narrative. Difficult analytes for soil RPDs: 3,3’-dichlorobenzidine, 4-nitrophenol, and aniline.

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

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10G0017

Date Received: 6/30/2010

Field Sample #: GRUB-1 | Sampled: 6/30/2010 11:00

Sample ID: 10G0017-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.081	mg/Kg dry	1	V-16	SW-846 8260B	7/1/10	7/1/10 10:46	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00081	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Benzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Bromobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Bromochloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Bromodichloromethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Bromoform	ND	0.0032	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Bromomethane	ND	0.0081	mg/Kg dry	1	L-04, R-05	SW-846 8260B	7/1/10	7/1/10 10:46	MFF
2-Butanone (MEK)	ND	0.032	mg/Kg dry	1	V-16	SW-846 8260B	7/1/10	7/1/10 10:46	MFF
n-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
sec-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
tert-Butylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00081	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Carbon Disulfide	ND	0.0049	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Carbon Tetrachloride	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Chlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Chlorodibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Chloroethane	ND	0.016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Chloroform	ND	0.0032	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Chloromethane	ND	0.0081	mg/Kg dry	1	L-04	SW-846 8260B	7/1/10	7/1/10 10:46	MFF
2-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
4-Chlorotoluene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,2-Dibromoethane (EDB)	ND	0.00081	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Dibromomethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,2-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,3-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,4-Dichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,1-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,2-Dichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,1-Dichloroethylene	ND	0.0032	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
cis-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
trans-1,2-Dichloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,3-Dichloropropane	ND	0.00081	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
2,2-Dichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,1-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
cis-1,3-Dichloropropene	ND	0.00081	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
trans-1,3-Dichloropropene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Diethyl Ether	ND	0.016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Diisopropyl Ether (DIPE)	ND	0.00081	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,4-Dioxane	ND	0.081	mg/Kg dry	1	V-16	SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Ethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10G0017

Date Received: 6/30/2010

Field Sample #: GRUB-1 | Sampled: 6/30/2010 11:00

Sample ID: 10G0017-01

Sample Matrix: Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
2-Hexanone (MBK)	ND	0.016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Isopropylbenzene (Cumene)	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0032	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Methylene Chloride	ND	0.016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Naphthalene	ND	0.0032	mg/Kg dry	1	V-05	SW-846 8260B	7/1/10	7/1/10 10:46	MFF
n-Propylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Styrene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,1,1,2-Tetrachloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.00081	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Tetrachloroethylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Tetrahydrofuran	ND	0.0081	mg/Kg dry	1	V-16	SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Toluene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,2,3-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,2,4-Trichlorobenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,1,1-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,1,2-Trichloroethane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Trichloroethylene	0.0077	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0081	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,2,3-Trichloropropane	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,2,4-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
1,3,5-Trimethylbenzene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
Vinyl Chloride	ND	0.0081	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
m+p Xylene	ND	0.0032	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF
o-Xylene	ND	0.0016	mg/Kg dry	1		SW-846 8260B	7/1/10	7/1/10 10:46	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	101	70-130		7/1/10 10:46
Toluene-d8	98.7	70-130		7/1/10 10:46
4-Bromofluorobenzene	96.8	70-130		7/1/10 10:46

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10G0017

Date Received: 6/30/2010

Field Sample #: GRUB-1 | Sampled: 6/30/2010 11:00

Sample ID: 10G0017-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Acenaphthylene	ND	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Acetophenone	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Aniline	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Benzo(a)anthracene	0.61	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Benzo(a)pyrene	0.54	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Benzo(b)fluoranthene	0.67	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Benzo(g,h,i)perylene	0.44	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Benzo(k)fluoranthene	0.28	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Bis(2-chloroethoxy)methane	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Bis(2-chloroethyl)ether	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Bis(2-chloroisopropyl)ether	ND	0.37	mg/Kg dry	1	V-05	SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Bis(2-Ethylhexyl)phthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
4-Bromophenylphenylether	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Butylbenzylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
4-Chloroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
2-Chloronaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
2-Chlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Chrysene	0.62	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Dibenz(a,h)anthracene	ND	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Dibenzofuran	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Di-n-butylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
1,2-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
1,3-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
1,4-Dichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
3,3-Dichlorobenzidine	ND	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
2,4-Dichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Diethylphthalate	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
2,4-Dimethylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Dimethylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
2,4-Dinitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
2,4-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
2,6-Dinitrotoluene	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Di-n-octylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Fluoranthene	1.1	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Fluorene	ND	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Hexachlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Hexachlorobutadiene	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Hexachloroethane	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Indeno(1,2,3-cd)pyrene	0.47	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Isophorone	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
2-Methylnaphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL

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Project Location: New Bedford, MA | Sample Description: | Work Order: 10G0017

Date Received: 6/30/2010

Field Sample #: GRUB-1 | Sampled: 6/30/2010 11:00

Sample ID: 10G0017-01

Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
2-Methylphenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
3/4-Methylphenol	ND	0.37	mg/Kg dry	1	V-05	SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Naphthalene	ND	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Nitrobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
2-Nitrophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
4-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Pentachlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Phenanthrene	0.65	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Phenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
Pyrene	0.93	0.19	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
1,2,4-Trichlorobenzene	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
2,4,5-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL
2,4,6-Trichlorophenol	ND	0.37	mg/Kg dry	1		SW-846 8270C	7/1/10	7/7/10 15:58	BGL

Surrogates	% Recovery	Recovery Limits	Flag	
2-Fluorophenol	65.5	30-130		7/7/10 15:58
Phenol-d6	62.6	30-130		7/7/10 15:58
Nitrobenzene-d5	68.5	30-130		7/7/10 15:58
2-Fluorobiphenyl	64.2	30-130		7/7/10 15:58
2,4,6-Tribromophenol	72.4	30-130		7/7/10 15:58
Terphenyl-d14	63.4	30-130		7/7/10 15:58

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10G0017

Date Received: 6/30/2010

Field Sample #: GRUB-1 | Sampled: 6/30/2010 11:00

Sample ID: 10G0017-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	7/5/10	7/7/10 12:18	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	7/5/10	7/7/10 12:18	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	7/5/10	7/7/10 12:18	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	7/5/10	7/7/10 12:18	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	7/5/10	7/7/10 12:18	JMB
Aroclor-1254 [2]	0.31	0.11	mg/Kg dry	1		SW-846 8082	7/5/10	7/7/10 12:18	JMB
Aroclor-1260 [2]	0.17	0.11	mg/Kg dry	1		SW-846 8082	7/5/10	7/7/10 12:18	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	7/5/10	7/7/10 12:18	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	7/5/10	7/7/10 12:18	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.9	30-150		7/7/10 12:18
Decachlorobiphenyl [2]	98.2	30-150		7/7/10 12:18
Tetrachloro-m-xylene [1]	87.0	30-150		7/7/10 12:18
Tetrachloro-m-xylene [2]	89.1	30-150		7/7/10 12:18

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10G0017

Date Received: 6/30/2010

Field Sample #: GRUB-1
Sampled: 6/30/2010 11:00

Sample ID: 10G0017-01

Sample Matrix: Soil

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
TPH as Diesel	160	91	mg/Kg dry	5		SW-846 8100 Modified	7/5/10	7/6/10 22:01	CJM

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10G0017

Date Received: 6/30/2010

Field Sample #: GRUB-1
Sampled: 6/30/2010 11:00

Sample ID: 10G0017-01

Sample Matrix: Soil

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	ND	2.8	mg/Kg dry	1		SW-846 6010B	7/2/10	7/2/10 17:35	OP
Cadmium	0.35	0.28	mg/Kg dry	1		SW-846 6010B	7/2/10	7/2/10 17:35	OP
Chromium	73	0.56	mg/Kg dry	1		SW-846 6010B	7/2/10	7/2/10 17:35	OP
Lead	48	0.84	mg/Kg dry	1		SW-846 6010B	7/2/10	7/2/10 17:35	OP
Mercury	0.043	0.016	mg/Kg dry	1		SW-846 7471A	7/2/10	7/2/10 15:15	MPF

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

Project Location: New Bedford, MA
Sample Description:
Work Order: 10G0017

Date Received: 6/30/2010

Field Sample #: GRUB-1
Sampled: 6/30/2010 11:00

Sample ID: 10G0017-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.7		% Wt	1		SM 2540G	7/2/10	7/6/10 8:56	NH

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

Project Location: New Bedford, MA | Sample Description: | Work Order: 10G0017

Date Received: 6/30/2010

Field Sample #: Trip Blank | Sampled: 6/30/2010 00:00

Sample ID: 10G0017-02

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.10	mg/Kg wet	1	V-16	SW-846 8260B	7/1/10	7/1/10 10:20	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Benzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Bromobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Bromochloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Bromodichloromethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Bromoform	ND	0.0040	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Bromomethane	ND	0.010	mg/Kg wet	1	L-04, R-05	SW-846 8260B	7/1/10	7/1/10 10:20	MFF
2-Butanone (MEK)	ND	0.040	mg/Kg wet	1	V-16	SW-846 8260B	7/1/10	7/1/10 10:20	MFF
n-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
sec-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
tert-Butylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Carbon Disulfide	ND	0.0060	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Carbon Tetrachloride	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Chlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Chlorodibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Chloroethane	ND	0.020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Chloroform	ND	0.0040	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Chloromethane	ND	0.010	mg/Kg wet	1	L-04	SW-846 8260B	7/1/10	7/1/10 10:20	MFF
2-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
4-Chlorotoluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Dibromomethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,1-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,2-Dichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,3-Dichloropropane	ND	0.0010	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
2,2-Dichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,1-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
trans-1,3-Dichloropropene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Diethyl Ether	ND	0.020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,4-Dioxane	ND	0.10	mg/Kg wet	1	V-16	SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Ethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF

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Project Location: New Bedford, MA | Sample Description: | Work Order: 10G0017

Date Received: 6/30/2010

Field Sample #: Trip Blank | Sampled: 6/30/2010 00:00

Sample ID: 10G0017-02

Sample Matrix: Trip Blank Soil

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
2-Hexanone (MBK)	ND	0.020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Methylene Chloride	ND	0.020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Naphthalene	ND	0.0040	mg/Kg wet	1	V-05	SW-846 8260B	7/1/10	7/1/10 10:20	MFF
n-Propylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Styrene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Tetrachloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Tetrahydrofuran	ND	0.010	mg/Kg wet	1	V-16	SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Toluene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Trichloroethylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
Vinyl Chloride	ND	0.010	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
m+p Xylene	ND	0.0040	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF
o-Xylene	ND	0.0020	mg/Kg wet	1		SW-846 8260B	7/1/10	7/1/10 10:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	108	70-130		7/1/10 10:20
Toluene-d8	101	70-130		7/1/10 10:20
4-Bromofluorobenzene	99.5	70-130		7/1/10 10:20

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10G0017-01 [GRUB-1]	B015703	07/02/10

Prep Method: SW-846 3050B-SW-846 6010B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10G0017-01 [GRUB-1]	B015694	0.982	50.0	07/02/10

Prep Method: SW-846 7471A-SW-846 7471A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10G0017-01 [GRUB-1]	B015698	0.168	25.0	07/02/10

Prep Method: SW-846 3546-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10G0017-01 [GRUB-1]	B015761	10.2	50.0	07/05/10

Prep Method: SW-846 3546-SW-846 8100 Modified

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10G0017-01 [GRUB-1]	B015760	30.2	2.00	07/05/10

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10G0017-01 [GRUB-1]	B015676	6.80	10.0	07/01/10
10G0017-02 [Trip Blank]	B015676	5.00	10.0	07/01/10

Prep Method: SW-846 3546-SW-846 8270C

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10G0017-01 [GRUB-1]	B015673	30.0	1.00	07/01/10

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015676 - SW-846 5035										
Blank (B015676-BLK1)				Prepared & Analyzed: 07/01/10						
Acetone	ND	0.10	mg/Kg wet							V-16
tert-Amyl Methyl Ether (TAME)	ND	0.0010	mg/Kg wet							
Benzene	ND	0.0020	mg/Kg wet							
Bromobenzene	ND	0.0020	mg/Kg wet							
Bromochloromethane	ND	0.0020	mg/Kg wet							
Bromodichloromethane	ND	0.0020	mg/Kg wet							
Bromoform	ND	0.0040	mg/Kg wet							
Bromomethane	ND	0.010	mg/Kg wet							L-04, R-05
2-Butanone (MEK)	ND	0.040	mg/Kg wet							V-16
n-Butylbenzene	ND	0.0020	mg/Kg wet							
sec-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butylbenzene	ND	0.0020	mg/Kg wet							
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	mg/Kg wet							
Carbon Disulfide	ND	0.0060	mg/Kg wet							
Carbon Tetrachloride	ND	0.0020	mg/Kg wet							
Chlorobenzene	ND	0.0020	mg/Kg wet							
Chlorodibromomethane	ND	0.0020	mg/Kg wet							
Chloroethane	ND	0.020	mg/Kg wet							
Chloroform	ND	0.0040	mg/Kg wet							
Chloromethane	ND	0.010	mg/Kg wet							L-04
2-Chlorotoluene	ND	0.0020	mg/Kg wet							
4-Chlorotoluene	ND	0.0020	mg/Kg wet							
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0020	mg/Kg wet							
1,2-Dibromoethane (EDB)	ND	0.0010	mg/Kg wet							
Dibromomethane	ND	0.0020	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.0020	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.0020	mg/Kg wet							
Dichlorodifluoromethane (Freon 12)	ND	0.020	mg/Kg wet							
1,1-Dichloroethane	ND	0.0020	mg/Kg wet							
1,2-Dichloroethane	ND	0.0020	mg/Kg wet							
1,1-Dichloroethylene	ND	0.0040	mg/Kg wet							
cis-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
trans-1,2-Dichloroethylene	ND	0.0020	mg/Kg wet							
1,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,3-Dichloropropane	ND	0.0010	mg/Kg wet							
2,2-Dichloropropane	ND	0.0020	mg/Kg wet							
1,1-Dichloropropene	ND	0.0020	mg/Kg wet							
cis-1,3-Dichloropropene	ND	0.0010	mg/Kg wet							
trans-1,3-Dichloropropene	ND	0.0020	mg/Kg wet							
Diethyl Ether	ND	0.020	mg/Kg wet							
Diisopropyl Ether (DIPE)	ND	0.0010	mg/Kg wet							
1,4-Dioxane	ND	0.10	mg/Kg wet							V-16
Ethylbenzene	ND	0.0020	mg/Kg wet							
Hexachlorobutadiene	ND	0.0020	mg/Kg wet							
2-Hexanone (MBK)	ND	0.020	mg/Kg wet							
Isopropylbenzene (Cumene)	ND	0.0020	mg/Kg wet							
p-Isopropyltoluene (p-Cymene)	ND	0.0020	mg/Kg wet							
Methyl tert-Butyl Ether (MTBE)	ND	0.0040	mg/Kg wet							
Methylene Chloride	ND	0.020	mg/Kg wet							
4-Methyl-2-pentanone (MIBK)	ND	0.020	mg/Kg wet							
Naphthalene	ND	0.0040	mg/Kg wet							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B015676 - SW-846 5035												
Blank (B015676-BLK1)				Prepared & Analyzed: 07/01/10								
n-Propylbenzene	ND	0.0020	mg/Kg wet									
Styrene	ND	0.0020	mg/Kg wet									
1,1,1,2-Tetrachloroethane	ND	0.0020	mg/Kg wet									
1,1,2,2-Tetrachloroethane	ND	0.0010	mg/Kg wet									
Tetrachloroethylene	ND	0.0020	mg/Kg wet									
Tetrahydrofuran	ND	0.010	mg/Kg wet								V-16	
Toluene	ND	0.0020	mg/Kg wet									
1,2,3-Trichlorobenzene	ND	0.0020	mg/Kg wet									
1,2,4-Trichlorobenzene	ND	0.0020	mg/Kg wet									
1,1,1-Trichloroethane	ND	0.0020	mg/Kg wet									
1,1,2-Trichloroethane	ND	0.0020	mg/Kg wet									
Trichloroethylene	ND	0.0020	mg/Kg wet									
Trichlorofluoromethane (Freon 11)	ND	0.010	mg/Kg wet									
1,2,3-Trichloropropane	ND	0.0020	mg/Kg wet									
1,2,4-Trimethylbenzene	ND	0.0020	mg/Kg wet									
1,3,5-Trimethylbenzene	ND	0.0020	mg/Kg wet									
Vinyl Chloride	ND	0.010	mg/Kg wet									
m+p Xylene	ND	0.0040	mg/Kg wet									
o-Xylene	ND	0.0020	mg/Kg wet									
Surrogate: 1,2-Dichloroethane-d4	*0.0489*		mg/Kg wet	0.0500		97.8		70-130				
Surrogate: Toluene-d8	*0.0510*		mg/Kg wet	0.0500		102		70-130				
Surrogate: 4-Bromofluorobenzene	*0.0495*		mg/Kg wet	0.0500		99.0		70-130				
LCS (B015676-BS1)				Prepared & Analyzed: 07/01/10								
Acetone	0.336	0.10	mg/Kg wet	0.200		**168**	*	70-160			L-07, V-16	†
tert-Amyl Methyl Ether (TAME)	0.0210	0.0010	mg/Kg wet	0.0200		105		70-130				
Benzene	0.0192	0.0020	mg/Kg wet	0.0200		95.8		70-130				
Bromobenzene	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130				
Bromochloromethane	0.0199	0.0020	mg/Kg wet	0.0200		99.7		70-130				
Bromodichloromethane	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130				
Bromoform	0.0181	0.0040	mg/Kg wet	0.0200		90.4		70-130				
Bromomethane	0.00586	0.010	mg/Kg wet	0.0200		**29.3**	*	40-130			R-05, L-04	†
2-Butanone (MEK)	0.221	0.040	mg/Kg wet	0.200		110		70-160			V-16	†
n-Butylbenzene	0.0219	0.0020	mg/Kg wet	0.0200		110		70-130				
sec-Butylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		106		70-130				
tert-Butylbenzene	0.0213	0.0020	mg/Kg wet	0.0200		107		70-160				†
tert-Butyl Ethyl Ether (TBEE)	0.0218	0.0010	mg/Kg wet	0.0200		109		70-130				
Carbon Disulfide	0.0184	0.0060	mg/Kg wet	0.0200		92.0		70-130				
Carbon Tetrachloride	0.0254	0.0020	mg/Kg wet	0.0200		127		70-130			V-06	
Chlorobenzene	0.0194	0.0020	mg/Kg wet	0.0200		96.9		70-130				
Chlorodibromomethane	0.0244	0.0020	mg/Kg wet	0.0200		122		70-130			V-06	
Chloroethane	0.0192	0.020	mg/Kg wet	0.0200		96.0		70-130				
Chloroform	0.0201	0.0040	mg/Kg wet	0.0200		100		70-130				
Chloromethane	0.0116	0.010	mg/Kg wet	0.0200		**58.1**	*	70-130			L-04	
2-Chlorotoluene	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130				
4-Chlorotoluene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	0.0201	0.0020	mg/Kg wet	0.0200		101		70-130				
1,2-Dibromoethane (EDB)	0.0195	0.0010	mg/Kg wet	0.0200		97.5		70-130				
Dibromomethane	0.0197	0.0020	mg/Kg wet	0.0200		98.5		70-130				
1,2-Dichlorobenzene	0.0191	0.0020	mg/Kg wet	0.0200		95.6		70-130				
1,3-Dichlorobenzene	0.0198	0.0020	mg/Kg wet	0.0200		98.9		70-130				
1,4-Dichlorobenzene	0.0192	0.0020	mg/Kg wet	0.0200		96.0		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B015676 - SW-846 5035											
LCS (B015676-BS1)				Prepared & Analyzed: 07/01/10							
Dichlorodifluoromethane (Freon 12)	0.0137	0.020	mg/Kg wet	0.0200		68.7	40-160				†
1,1-Dichloroethane	0.0192	0.0020	mg/Kg wet	0.0200		96.1	70-130				
1,2-Dichloroethane	0.0191	0.0020	mg/Kg wet	0.0200		95.6	70-130				
1,1-Dichloroethylene	0.0217	0.0040	mg/Kg wet	0.0200		108	70-130				
cis-1,2-Dichloroethylene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130				
trans-1,2-Dichloroethylene	0.0198	0.0020	mg/Kg wet	0.0200		98.8	70-130				
1,2-Dichloropropane	0.0195	0.0020	mg/Kg wet	0.0200		97.5	70-130				
1,3-Dichloropropane	0.0190	0.0010	mg/Kg wet	0.0200		95.2	70-130				
2,2-Dichloropropane	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130				
1,1-Dichloropropene	0.0203	0.0020	mg/Kg wet	0.0200		102	70-130				
cis-1,3-Dichloropropene	0.0208	0.0010	mg/Kg wet	0.0200		104	70-130				
trans-1,3-Dichloropropene	0.0244	0.0020	mg/Kg wet	0.0200		122	70-130				
Diethyl Ether	0.0218	0.020	mg/Kg wet	0.0200		109	70-130				
Diisopropyl Ether (DIPE)	0.0206	0.0010	mg/Kg wet	0.0200		103	70-130				
1,4-Dioxane	0.199	0.10	mg/Kg wet	0.200		99.3	40-160			V-16	†
Ethylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130				
Hexachlorobutadiene	0.0224	0.0020	mg/Kg wet	0.0200		112	70-160				
2-Hexanone (MBK)	0.243	0.020	mg/Kg wet	0.200		122	70-160				†
Isopropylbenzene (Cumene)	0.0242	0.0020	mg/Kg wet	0.0200		121	70-130				
p-Isopropyltoluene (p-Cymene)	0.0220	0.0020	mg/Kg wet	0.0200		110	70-130				
Methyl tert-Butyl Ether (MTBE)	0.0196	0.0040	mg/Kg wet	0.0200		98.0	70-130				
Methylene Chloride	0.0188	0.020	mg/Kg wet	0.0200		93.8	40-160				†
4-Methyl-2-pentanone (MIBK)	0.200	0.020	mg/Kg wet	0.200		99.8	70-160				†
Naphthalene	0.0161	0.0040	mg/Kg wet	0.0200		80.7	40-130			V-06	†
n-Propylbenzene	0.0211	0.0020	mg/Kg wet	0.0200		106	70-130				
Styrene	0.0209	0.0020	mg/Kg wet	0.0200		104	70-130				
1,1,1,2-Tetrachloroethane	0.0239	0.0020	mg/Kg wet	0.0200		119	70-130			V-06	
1,1,2,2-Tetrachloroethane	0.0193	0.0010	mg/Kg wet	0.0200		96.6	70-130				
Tetrachloroethylene	0.0216	0.0020	mg/Kg wet	0.0200		108	70-130				
Tetrahydrofuran	0.0172	0.010	mg/Kg wet	0.0200		85.8	70-130			V-16	
Toluene	0.0193	0.0020	mg/Kg wet	0.0200		96.5	70-130				
1,2,3-Trichlorobenzene	0.0205	0.0020	mg/Kg wet	0.0200		103	70-130				
1,2,4-Trichlorobenzene	0.0198	0.0020	mg/Kg wet	0.0200		98.9	70-130				
1,1,1-Trichloroethane	0.0224	0.0020	mg/Kg wet	0.0200		112	70-130				
1,1,2-Trichloroethane	0.0198	0.0020	mg/Kg wet	0.0200		99.2	70-130				
Trichloroethylene	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130				
Trichlorofluoromethane (Freon 11)	0.0244	0.010	mg/Kg wet	0.0200		122	70-130				
1,2,3-Trichloropropane	0.0178	0.0020	mg/Kg wet	0.0200		89.2	70-130				
1,2,4-Trimethylbenzene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130				
1,3,5-Trimethylbenzene	0.0215	0.0020	mg/Kg wet	0.0200		107	70-130				
Vinyl Chloride	0.0161	0.010	mg/Kg wet	0.0200		80.3	40-130				†
m+p Xylene	0.0410	0.0040	mg/Kg wet	0.0400		103	70-130				
o-Xylene	0.0204	0.0020	mg/Kg wet	0.0200		102	70-130				
Surrogate: 1,2-Dichloroethane-d4	*0.0474*		mg/Kg wet	0.0500		94.8	70-130				
Surrogate: Toluene-d8	*0.0507*		mg/Kg wet	0.0500		101	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0505*		mg/Kg wet	0.0500		101	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B015676 - SW-846 5035													
LCS Dup (B015676-BSD1)				Prepared & Analyzed: 07/01/10									
Acetone	0.295	0.10	mg/Kg wet	0.200		148		70-160	13.1		25	V-16	†
tert-Amyl Methyl Ether (TAME)	0.0204	0.0010	mg/Kg wet	0.0200		102		70-130	3.19		25		
Benzene	0.0191	0.0020	mg/Kg wet	0.0200		95.3		70-130	0.523		25		
Bromobenzene	0.0197	0.0020	mg/Kg wet	0.0200		98.6		70-130	2.40		25		
Bromochloromethane	0.0194	0.0020	mg/Kg wet	0.0200		97.0		70-130	2.75		25		
Bromodichloromethane	0.0197	0.0020	mg/Kg wet	0.0200		98.6		70-130	2.90		25		
Bromoform	0.0174	0.0040	mg/Kg wet	0.0200		86.9		70-130	3.95		25		
Bromomethane	0.00756	0.010	mg/Kg wet	0.0200		**37.8**	*	40-130	**25.3**	*	25	L-04, R-05	†
2-Butanone (MEK)	0.205	0.040	mg/Kg wet	0.200		102		70-160	7.57		25	V-16	†
n-Butylbenzene	0.0216	0.0020	mg/Kg wet	0.0200		108		70-130	1.75		25		
sec-Butylbenzene	0.0207	0.0020	mg/Kg wet	0.0200		104		70-130	2.20		25		
tert-Butylbenzene	0.0210	0.0020	mg/Kg wet	0.0200		105		70-160	1.61		25		†
tert-Butyl Ethyl Ether (TBEE)	0.0211	0.0010	mg/Kg wet	0.0200		105		70-130	3.64		25		
Carbon Disulfide	0.0178	0.0060	mg/Kg wet	0.0200		89.0		70-130	3.31		25		
Carbon Tetrachloride	0.0248	0.0020	mg/Kg wet	0.0200		124		70-130	2.23		25	V-06	
Chlorobenzene	0.0194	0.0020	mg/Kg wet	0.0200		97.2		70-130	0.309		25		
Chlorodibromomethane	0.0232	0.0020	mg/Kg wet	0.0200		116		70-130	5.21		25	V-06	
Chloroethane	0.0192	0.020	mg/Kg wet	0.0200		96.1		70-130	0.104		25		
Chloroform	0.0200	0.0040	mg/Kg wet	0.0200		100		70-130	0.399		25		
Chloromethane	0.0113	0.010	mg/Kg wet	0.0200		**56.4**	*	70-130	2.97		25	L-04	
2-Chlorotoluene	0.0198	0.0020	mg/Kg wet	0.0200		99.2		70-130	2.49		25		
4-Chlorotoluene	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130	0.574		25		
1,2-Dibromo-3-chloropropane (DBCP)	0.0193	0.0020	mg/Kg wet	0.0200		96.3		70-130	4.37		25		
1,2-Dibromoethane (EDB)	0.0188	0.0010	mg/Kg wet	0.0200		94.2		70-130	3.44		25		
Dibromomethane	0.0184	0.0020	mg/Kg wet	0.0200		92.0		70-130	6.82		25		
1,2-Dichlorobenzene	0.0188	0.0020	mg/Kg wet	0.0200		93.9		70-130	1.79		25		
1,3-Dichlorobenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.4		70-130	1.53		25		
1,4-Dichlorobenzene	0.0187	0.0020	mg/Kg wet	0.0200		93.5		70-130	2.64		25		
Dichlorodifluoromethane (Freon 12)	0.0135	0.020	mg/Kg wet	0.0200		67.7		40-160	1.47		25		†
1,1-Dichloroethane	0.0191	0.0020	mg/Kg wet	0.0200		95.6		70-130	0.522		25		
1,2-Dichloroethane	0.0186	0.0020	mg/Kg wet	0.0200		93.2		70-130	2.54		25		
1,1-Dichloroethylene	0.0215	0.0040	mg/Kg wet	0.0200		108		70-130	0.926		25		
cis-1,2-Dichloroethylene	0.0198	0.0020	mg/Kg wet	0.0200		98.8		70-130	1.61		25		
trans-1,2-Dichloroethylene	0.0196	0.0020	mg/Kg wet	0.0200		97.8		70-130	1.02		25		
1,2-Dichloropropane	0.0190	0.0020	mg/Kg wet	0.0200		94.9		70-130	2.70		25		
1,3-Dichloropropane	0.0182	0.0010	mg/Kg wet	0.0200		91.0		70-130	4.51		25		
2,2-Dichloropropane	0.0208	0.0020	mg/Kg wet	0.0200		104		70-130	4.15		25		
1,1-Dichloropropene	0.0202	0.0020	mg/Kg wet	0.0200		101		70-130	0.296		25		
cis-1,3-Dichloropropene	0.0196	0.0010	mg/Kg wet	0.0200		98.0		70-130	5.75		25		
trans-1,3-Dichloropropene	0.0232	0.0020	mg/Kg wet	0.0200		116		70-130	5.29		25		
Diethyl Ether	0.0201	0.020	mg/Kg wet	0.0200		100		70-130	8.21		25		
Diisopropyl Ether (DIPE)	0.0202	0.0010	mg/Kg wet	0.0200		101		70-130	1.76		25		
1,4-Dioxane	0.183	0.10	mg/Kg wet	0.200		91.5		40-160	8.20		50	V-16	† ‡
Ethylbenzene	0.0203	0.0020	mg/Kg wet	0.0200		102		70-130	1.66		25		
Hexachlorobutadiene	0.0218	0.0020	mg/Kg wet	0.0200		109		70-160	2.53		25		
2-Hexanone (MBK)	0.214	0.020	mg/Kg wet	0.200		107		70-160	12.8		25		†
Isopropylbenzene (Cumene)	0.0239	0.0020	mg/Kg wet	0.0200		119		70-130	1.17		25		
p-Isopropyltoluene (p-Cymene)	0.0217	0.0020	mg/Kg wet	0.0200		108		70-130	1.37		25		
Methyl tert-Butyl Ether (MTBE)	0.0186	0.0040	mg/Kg wet	0.0200		93.1		70-130	5.13		25		
Methylene Chloride	0.0185	0.020	mg/Kg wet	0.0200		92.5		40-160	1.40		25		†
4-Methyl-2-pentanone (MIBK)	0.180	0.020	mg/Kg wet	0.200		90.0		70-160	10.3		25		†
Naphthalene	0.0157	0.0040	mg/Kg wet	0.0200		78.7		40-130	2.51		25	V-06	†

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B015676 - SW-846 5035											
LCS Dup (B015676-BSD1)				Prepared & Analyzed: 07/01/10							
n-Propylbenzene	0.0208	0.0020	mg/Kg wet	0.0200		104	70-130	1.62	25		
Styrene	0.0207	0.0020	mg/Kg wet	0.0200		103	70-130	1.06	25		
1,1,1,2-Tetrachloroethane	0.0235	0.0020	mg/Kg wet	0.0200		118	70-130	1.44	25	V-06	
1,1,2,2-Tetrachloroethane	0.0182	0.0010	mg/Kg wet	0.0200		90.9	70-130	6.08	25		
Tetrachloroethylene	0.0214	0.0020	mg/Kg wet	0.0200		107	70-130	1.30	25		
Tetrahydrofuran	0.0196	0.010	mg/Kg wet	0.0200		98.2	70-130	13.5	25	V-16	
Toluene	0.0188	0.0020	mg/Kg wet	0.0200		94.0	70-130	2.62	25		
1,2,3-Trichlorobenzene	0.0200	0.0020	mg/Kg wet	0.0200		100	70-130	2.46	25		
1,2,4-Trichlorobenzene	0.0195	0.0020	mg/Kg wet	0.0200		97.4	70-130	1.53	25		
1,1,1-Trichloroethane	0.0222	0.0020	mg/Kg wet	0.0200		111	70-130	0.896	25		
1,1,2-Trichloroethane	0.0192	0.0020	mg/Kg wet	0.0200		95.8	70-130	3.49	25		
Trichloroethylene	0.0199	0.0020	mg/Kg wet	0.0200		99.7	70-130	2.57	25		
Trichlorofluoromethane (Freon 11)	0.0237	0.010	mg/Kg wet	0.0200		118	70-130	2.75	25		
1,2,3-Trichloropropane	0.0167	0.0020	mg/Kg wet	0.0200		83.4	70-130	6.72	25		
1,2,4-Trimethylbenzene	0.0205	0.0020	mg/Kg wet	0.0200		102	70-130	1.36	25		
1,3,5-Trimethylbenzene	0.0212	0.0020	mg/Kg wet	0.0200		106	70-130	1.03	25		
Vinyl Chloride	0.0160	0.010	mg/Kg wet	0.0200		80.1	40-130	0.249	25		†
m+p Xylene	0.0403	0.0040	mg/Kg wet	0.0400		101	70-130	1.77	25		
o-Xylene	0.0201	0.0020	mg/Kg wet	0.0200		100	70-130	1.68	25		
Surrogate: 1,2-Dichloroethane-d4	*0.0471*		mg/Kg wet	0.0500		94.3	70-130				
Surrogate: Toluene-d8	*0.0503*		mg/Kg wet	0.0500		101	70-130				
Surrogate: 4-Bromofluorobenzene	*0.0508*		mg/Kg wet	0.0500		102	70-130				

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015673 - SW-846 3546										
Blank (B015673-BLK1)				Prepared: 07/01/10 Analyzed: 07/06/10						
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene	ND	0.17	mg/Kg wet							
Bis(2-chloroethoxy)methane	ND	0.34	mg/Kg wet							
Bis(2-chloroethyl)ether	ND	0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.66	mg/Kg wet							
4-Chloroaniline	ND	0.66	mg/Kg wet							
2-Chloronaphthalene	ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.66	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.66	mg/Kg wet							
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene	ND	0.34	mg/Kg wet							
Hexachloroethane	ND	0.34	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
Isophorone	ND	0.34	mg/Kg wet							
2-Methylnaphthalene	ND	0.17	mg/Kg wet							
2-Methylphenol	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
Pentachlorophenol	ND	0.34	mg/Kg wet							
Phenanthrene	ND	0.17	mg/Kg wet							

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015673 - SW-846 3546										
Blank (B015673-BLK1)				Prepared: 07/01/10 Analyzed: 07/06/10						
Phenol	ND	0.34	mg/Kg wet							
Pyrene	ND	0.17	mg/Kg wet							
1,2,4-Trichlorobenzene	ND	0.34	mg/Kg wet							
2,4,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	*6.82*		mg/Kg wet	6.67		102	30-130			
Surrogate: Phenol-d6	*7.29*		mg/Kg wet	6.67		109	30-130			
Surrogate: Nitrobenzene-d5	*3.22*		mg/Kg wet	3.33		96.6	30-130			
Surrogate: 2-Fluorobiphenyl	*3.02*		mg/Kg wet	3.33		90.7	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.14*		mg/Kg wet	6.67		92.2	30-130			
Surrogate: Terphenyl-d14	*2.74*		mg/Kg wet	3.33		82.2	30-130			
LCS (B015673-BS1)				Prepared: 07/01/10 Analyzed: 07/06/10						
Acenaphthene	1.13	0.17	mg/Kg wet	1.67		67.7	40-140			
Acenaphthylene	1.15	0.17	mg/Kg wet	1.67		69.0	40-140			
Acetophenone	0.720	0.34	mg/Kg wet	0.833		86.4	40-140			
Aniline	0.871	0.34	mg/Kg wet	1.67		52.2	10-140			†
Anthracene	1.19	0.17	mg/Kg wet	1.67		71.4	40-140			
Benzo(a)anthracene	1.21	0.17	mg/Kg wet	1.67		72.5	40-140			
Benzo(a)pyrene	1.17	0.17	mg/Kg wet	1.67		70.3	40-140			
Benzo(b)fluoranthene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140			
Benzo(g,h,i)perylene	1.18	0.17	mg/Kg wet	1.67		71.1	40-140			
Benzo(k)fluoranthene	1.16	0.17	mg/Kg wet	1.67		69.4	40-140			
Bis(2-chloroethoxy)methane	1.45	0.34	mg/Kg wet	1.67		87.0	40-140			
Bis(2-chloroethyl)ether	1.45	0.34	mg/Kg wet	1.67		87.1	40-140			
Bis(2-chloroisopropyl)ether	1.25	0.34	mg/Kg wet	1.67		74.9	40-140			
Bis(2-Ethylhexyl)phthalate	1.92	0.34	mg/Kg wet	1.67		115	40-140			
4-Bromophenylphenylether	1.38	0.34	mg/Kg wet	1.67		82.7	40-140			
Butylbenzylphthalate	1.86	0.66	mg/Kg wet	1.67		111	40-140			
4-Chloroaniline	0.662	0.66	mg/Kg wet	1.67		39.7	10-140			†
2-Chloronaphthalene	1.29	0.34	mg/Kg wet	1.67		77.5	40-140			
2-Chlorophenol	1.56	0.34	mg/Kg wet	1.67		93.9	30-130			
Chrysene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140			
Dibenz(a,h)anthracene	1.12	0.17	mg/Kg wet	1.67		67.0	40-140			
Dibenzofuran	1.46	0.34	mg/Kg wet	1.67		87.8	40-140			
Di-n-butylphthalate	1.65	0.34	mg/Kg wet	1.67		99.1	40-140			
1,2-Dichlorobenzene	1.37	0.34	mg/Kg wet	1.67		82.1	40-140			
1,3-Dichlorobenzene	1.28	0.34	mg/Kg wet	1.67		77.1	40-140			
1,4-Dichlorobenzene	1.27	0.34	mg/Kg wet	1.67		76.2	40-140			
3,3-Dichlorobenzidine	0.731	0.17	mg/Kg wet	1.67		43.8	20-140			†
2,4-Dichlorophenol	1.51	0.34	mg/Kg wet	1.67		90.5	30-130			
Diethylphthalate	1.40	0.34	mg/Kg wet	1.67		84.3	40-140			
2,4-Dimethylphenol	1.46	0.34	mg/Kg wet	1.67		87.5	30-130			
Dimethylphthalate	1.39	0.66	mg/Kg wet	1.67		83.6	40-140			
2,4-Dinitrophenol	2.12	0.66	mg/Kg wet	1.67		127	30-130			
2,4-Dinitrotoluene	1.74	0.34	mg/Kg wet	1.67		104	40-140			
2,6-Dinitrotoluene	1.64	0.34	mg/Kg wet	1.67		98.1	40-140			
Di-n-octylphthalate	2.03	0.66	mg/Kg wet	1.67		122	40-140			
1,2-Diphenylhydrazine (as Azobenzene)	1.44	0.34	mg/Kg wet	1.67		86.4	40-140			
Fluoranthene	1.31	0.17	mg/Kg wet	1.67		78.3	40-140			
Fluorene	1.14	0.17	mg/Kg wet	1.67		68.2	40-140			
Hexachlorobenzene	1.36	0.34	mg/Kg wet	1.67		81.6	40-140			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015673 - SW-846 3546										
LCS (B015673-BS1)				Prepared: 07/01/10 Analyzed: 07/06/10						
Hexachlorobutadiene	1.38	0.34	mg/Kg wet	1.67		82.9	40-140			
Hexachloroethane	1.36	0.34	mg/Kg wet	1.67		81.3	40-140			
Indeno(1,2,3-cd)pyrene	1.19	0.17	mg/Kg wet	1.67		71.5	40-140			
Isophorone	1.41	0.34	mg/Kg wet	1.67		84.5	40-140			
2-Methylnaphthalene	1.34	0.17	mg/Kg wet	1.67		80.4	40-140			
2-Methylphenol	1.36	0.34	mg/Kg wet	1.67		81.8	30-130			
3/4-Methylphenol	1.46	0.34	mg/Kg wet	1.67		87.6	30-130			
Naphthalene	1.10	0.17	mg/Kg wet	1.67		66.1	40-140			
Nitrobenzene	1.39	0.34	mg/Kg wet	1.67		83.4	40-140			
2-Nitrophenol	1.58	0.34	mg/Kg wet	1.67		94.6	30-130			
4-Nitrophenol	1.90	0.66	mg/Kg wet	1.67		114	30-130			
Pentachlorophenol	1.10	0.34	mg/Kg wet	1.67		66.3	30-130			
Phenanthrene	1.15	0.17	mg/Kg wet	1.67		69.2	40-140			
Phenol	1.56	0.34	mg/Kg wet	1.67		93.8	30-130			
Pyrene	1.21	0.17	mg/Kg wet	1.67		72.8	40-140			
1,2,4-Trichlorobenzene	1.39	0.34	mg/Kg wet	1.67		83.1	40-140			
2,4,5-Trichlorophenol	1.44	0.34	mg/Kg wet	1.67		86.6	30-130			
2,4,6-Trichlorophenol	1.57	0.34	mg/Kg wet	1.67		94.0	30-130			
Surrogate: 2-Fluorophenol	*5.85*		mg/Kg wet	6.67		87.8	30-130			
Surrogate: Phenol-d6	*5.95*		mg/Kg wet	6.67		89.3	30-130			
Surrogate: Nitrobenzene-d5	*2.88*		mg/Kg wet	3.33		86.4	30-130			
Surrogate: 2-Fluorobiphenyl	*2.89*		mg/Kg wet	3.33		86.6	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.74*		mg/Kg wet	6.67		101	30-130			
Surrogate: Terphenyl-d14	*3.23*		mg/Kg wet	3.33		97.0	30-130			
LCS Dup (B015673-BSD1)				Prepared: 07/01/10 Analyzed: 07/06/10						
Acenaphthene	1.11	0.17	mg/Kg wet	1.67		66.5	40-140	1.82	30	
Acenaphthylene	1.12	0.17	mg/Kg wet	1.67		67.2	40-140	2.58	30	
Acetophenone	0.710	0.34	mg/Kg wet	0.833		85.2	40-140	1.40	30	
Aniline	0.786	0.34	mg/Kg wet	1.67		47.2	10-140	10.2	50	† ‡
Anthracene	1.13	0.17	mg/Kg wet	1.67		68.1	40-140	4.79	30	
Benzo(a)anthracene	1.17	0.17	mg/Kg wet	1.67		70.2	40-140	3.34	30	
Benzo(a)pyrene	1.16	0.17	mg/Kg wet	1.67		69.4	40-140	1.29	30	
Benzo(b)fluoranthene	1.09	0.17	mg/Kg wet	1.67		65.5	40-140	0.122	30	
Benzo(g,h,i)perylene	1.18	0.17	mg/Kg wet	1.67		70.8	40-140	0.423	30	
Benzo(k)fluoranthene	1.14	0.17	mg/Kg wet	1.67		68.5	40-140	1.33	30	
Bis(2-chloroethoxy)methane	1.42	0.34	mg/Kg wet	1.67		85.0	40-140	2.35	30	
Bis(2-chloroethyl)ether	1.46	0.34	mg/Kg wet	1.67		87.7	40-140	0.755	30	
Bis(2-chloroisopropyl)ether	1.23	0.34	mg/Kg wet	1.67		74.1	40-140	1.07	30	
Bis(2-Ethylhexyl)phthalate	1.76	0.34	mg/Kg wet	1.67		106	40-140	8.68	30	
4-Bromophenylphenylether	1.48	0.34	mg/Kg wet	1.67		88.6	40-140	6.89	30	
Butylbenzylphthalate	1.68	0.66	mg/Kg wet	1.67		101	40-140	10.3	30	
4-Chloroaniline	0.649	0.66	mg/Kg wet	1.67		38.9	10-140	1.98	30	†
2-Chloronaphthalene	1.22	0.34	mg/Kg wet	1.67		73.1	40-140	5.87	30	
2-Chlorophenol	1.53	0.34	mg/Kg wet	1.67		91.9	30-130	2.20	30	
Chrysene	1.14	0.17	mg/Kg wet	1.67		68.4	40-140	2.37	30	
Dibenz(a,h)anthracene	1.09	0.17	mg/Kg wet	1.67		65.3	40-140	2.51	30	
Dibenzofuran	1.45	0.34	mg/Kg wet	1.67		86.7	40-140	1.17	30	
Di-n-butylphthalate	1.46	0.34	mg/Kg wet	1.67		87.7	40-140	12.2	30	
1,2-Dichlorobenzene	1.33	0.34	mg/Kg wet	1.67		80.0	40-140	2.62	30	
1,3-Dichlorobenzene	1.23	0.34	mg/Kg wet	1.67		73.9	40-140	4.19	30	
1,4-Dichlorobenzene	1.23	0.34	mg/Kg wet	1.67		73.6	40-140	3.47	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015673 - SW-846 3546										
LCS Dup (B015673-BSD1)				Prepared: 07/01/10 Analyzed: 07/06/10						
3,3-Dichlorobenzidine	0.751	0.17	mg/Kg wet	1.67		45.1	20-140	2.74	50	† ‡
2,4-Dichlorophenol	1.50	0.34	mg/Kg wet	1.67		90.2	30-130	0.354	30	
Diethylphthalate	1.46	0.34	mg/Kg wet	1.67		87.9	40-140	4.16	30	
2,4-Dimethylphenol	1.43	0.34	mg/Kg wet	1.67		86.0	30-130	1.68	30	
Dimethylphthalate	1.43	0.66	mg/Kg wet	1.67		85.9	40-140	2.72	30	
2,4-Dinitrophenol	1.99	0.66	mg/Kg wet	1.67		119	30-130	6.51	30	
2,4-Dinitrotoluene	1.69	0.34	mg/Kg wet	1.67		102	40-140	2.43	30	
2,6-Dinitrotoluene	1.65	0.34	mg/Kg wet	1.67		99.0	40-140	0.852	30	
Di-n-octylphthalate	1.99	0.66	mg/Kg wet	1.67		119	40-140	2.12	30	
1,2-Diphenylhydrazine (as Azobenzene)	1.58	0.34	mg/Kg wet	1.67		95.0	40-140	9.49	30	
Fluoranthene	1.02	0.17	mg/Kg wet	1.67		61.2	40-140	24.5	30	
Fluorene	1.14	0.17	mg/Kg wet	1.67		68.6	40-140	0.585	30	
Hexachlorobenzene	1.42	0.34	mg/Kg wet	1.67		85.2	40-140	4.25	30	
Hexachlorobutadiene	1.34	0.34	mg/Kg wet	1.67		80.3	40-140	3.14	30	
Hexachloroethane	1.32	0.34	mg/Kg wet	1.67		79.0	40-140	2.89	30	
Indeno(1,2,3-cd)pyrene	1.17	0.17	mg/Kg wet	1.67		70.3	40-140	1.66	30	
Isophorone	1.51	0.34	mg/Kg wet	1.67		90.4	40-140	6.75	30	
2-Methylnaphthalene	1.32	0.17	mg/Kg wet	1.67		79.1	40-140	1.60	30	
2-Methylphenol	1.53	0.34	mg/Kg wet	1.67		91.7	30-130	11.5	30	
3/4-Methylphenol	1.47	0.34	mg/Kg wet	1.67		88.1	30-130	0.523	30	
Naphthalene	1.06	0.17	mg/Kg wet	1.67		63.6	40-140	3.92	30	
Nitrobenzene	1.39	0.34	mg/Kg wet	1.67		83.5	40-140	0.168	30	
2-Nitrophenol	1.50	0.34	mg/Kg wet	1.67		90.1	30-130	4.91	30	
4-Nitrophenol	1.67	0.66	mg/Kg wet	1.67		100	30-130	13.3	50	‡
Pentachlorophenol	1.01	0.34	mg/Kg wet	1.67		60.6	30-130	9.02	30	
Phenanthrene	1.12	0.17	mg/Kg wet	1.67		67.5	40-140	2.54	30	
Phenol	1.55	0.34	mg/Kg wet	1.67		93.2	30-130	0.599	30	
Pyrene	1.10	0.17	mg/Kg wet	1.67		66.1	40-140	9.62	30	
1,2,4-Trichlorobenzene	1.32	0.34	mg/Kg wet	1.67		79.1	40-140	4.98	30	
2,4,5-Trichlorophenol	1.44	0.34	mg/Kg wet	1.67		86.2	30-130	0.463	30	
2,4,6-Trichlorophenol	1.54	0.34	mg/Kg wet	1.67		92.2	30-130	1.95	30	
Surrogate: 2-Fluorophenol	*5.65*		mg/Kg wet	6.67		84.8	30-130			
Surrogate: Phenol-d6	*5.85*		mg/Kg wet	6.67		87.7	30-130			
Surrogate: Nitrobenzene-d5	*2.68*		mg/Kg wet	3.33		80.5	30-130			
Surrogate: 2-Fluorobiphenyl	*2.68*		mg/Kg wet	3.33		80.3	30-130			
Surrogate: 2,4,6-Tribromophenol	*6.43*		mg/Kg wet	6.67		96.4	30-130			
Surrogate: Terphenyl-d14	*2.85*		mg/Kg wet	3.33		85.6	30-130			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015761 - SW-846 3546										
Blank (B015761-BLK1)				Prepared: 07/05/10 Analyzed: 07/07/10						
Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.252*		mg/Kg wet	0.200		126	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.235*		mg/Kg wet	0.200		118	30-150			
Surrogate: Tetrachloro-m-xylene	*0.216*		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.210*		mg/Kg wet	0.200		105	30-150			
LCS (B015761-BS1)				Prepared: 07/05/10 Analyzed: 07/07/10						
Aroclor-1016	0.22	0.10	mg/Kg wet	0.200		111	40-140			
Aroclor-1016 [2C]	0.24	0.10	mg/Kg wet	0.200		121	40-140			
Aroclor-1260	0.24	0.10	mg/Kg wet	0.200		118	40-140			
Aroclor-1260 [2C]	0.24	0.10	mg/Kg wet	0.200		122	40-140			
Surrogate: Decachlorobiphenyl	*0.257*		mg/Kg wet	0.200		129	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.240*		mg/Kg wet	0.200		120	30-150			
Surrogate: Tetrachloro-m-xylene	*0.212*		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.210*		mg/Kg wet	0.200		105	30-150			
LCS Dup (B015761-BSD1)				Prepared: 07/05/10 Analyzed: 07/07/10						
Aroclor-1016	0.22	0.10	mg/Kg wet	0.200		109	40-140	1.11	30	
Aroclor-1016 [2C]	0.24	0.10	mg/Kg wet	0.200		122	40-140	0.458	30	
Aroclor-1260	0.23	0.10	mg/Kg wet	0.200		117	40-140	0.505	30	
Aroclor-1260 [2C]	0.24	0.10	mg/Kg wet	0.200		122	40-140	0.112	30	
Surrogate: Decachlorobiphenyl	*0.253*		mg/Kg wet	0.200		126	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.236*		mg/Kg wet	0.200		118	30-150			
Surrogate: Tetrachloro-m-xylene	*0.212*		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.210*		mg/Kg wet	0.200		105	30-150			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015760 - SW-846 3546										
Blank (B015760-BLK1)				Prepared: 07/05/10 Analyzed: 07/06/10						
TPH as Diesel	ND	8.3	mg/Kg wet							
LCS (B015760-BS1)				Prepared: 07/05/10 Analyzed: 07/06/10						
TPH as Diesel	29.8	8.3	mg/Kg wet	33.3		89.4	40-140			
LCS Dup (B015760-BSD1)				Prepared: 07/05/10 Analyzed: 07/06/10						
TPH as Diesel	30.8	8.3	mg/Kg wet	33.3		92.3	40-140	3.16	30	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B015694 - SW-846 3050B										
Blank (B015694-BLK1)				Prepared & Analyzed: 07/02/10						
Arsenic	ND	2.5	mg/Kg wet							
Cadmium	ND	0.25	mg/Kg wet							
Chromium	ND	0.50	mg/Kg wet							
Lead	ND	0.75	mg/Kg wet							
LCS (B015694-BS1)				Prepared & Analyzed: 07/02/10						
Arsenic	118	5.0	mg/Kg wet	107		111	81.6-118.4			
Cadmium	257	0.50	mg/Kg wet	243		106	82.4-117.6			
Chromium	87.5	1.0	mg/Kg wet	80.3		109	78.8-120.7			
Lead	109	1.5	mg/Kg wet	107		102	79.1-120.3			
LCS (B015694-BS2)				Prepared & Analyzed: 07/02/10						
Lead	0.885	0.75	mg/Kg wet	0.750		118	79.1-120.3			
LCS Dup (B015694-BSD1)				Prepared & Analyzed: 07/02/10						
Arsenic	115	5.0	mg/Kg wet	107		108	81.6-118.4	2.57	30	
Cadmium	252	0.50	mg/Kg wet	244		103	82.4-117.6	2.16	30	
Chromium	85.0	1.0	mg/Kg wet	80.5		106	78.8-120.7	2.88	30	
Lead	108	1.5	mg/Kg wet	107		101	79.1-120.3	1.40	30	
Batch B015698 - SW-846 7471A										
Blank (B015698-BLK1)				Prepared & Analyzed: 07/02/10						
Mercury	ND	0.025	mg/Kg wet							
LCS (B015698-BS1)				Prepared & Analyzed: 07/02/10						
Mercury	0.937	0.025	mg/Kg wet	0.914		102	66-132			
LCS Dup (B015698-BSD1)				Prepared & Analyzed: 07/02/10						
Mercury	0.869	0.025	mg/Kg wet	0.960		90.5	66-132	7.47	30	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Significant uncertainty is associated with the reported value which is likely to be biased on the high side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 6010B in Soil	
Arsenic	CT,NH,NY
Cadmium	CT,NH,NY
Chromium	CT,NH,NY
Lead	CT,NH,NY,AIHA
SW-846 7471A in Soil	
Mercury	CT,NH,NY
SW-846 8082 in Soil	
Aroclor-1016	CT,NH,NY
Aroclor-1016 [2C]	CT,NH,NY
Aroclor-1221	CT,NH,NY
Aroclor-1221 [2C]	CT,NH,NY
Aroclor-1232	CT,NH,NY
Aroclor-1232 [2C]	CT,NH,NY
Aroclor-1242	CT,NH,NY
Aroclor-1242 [2C]	CT,NH,NY
Aroclor-1248	CT,NH,NY
Aroclor-1248 [2C]	CT,NH,NY
Aroclor-1254	CT,NH,NY
Aroclor-1254 [2C]	CT,NH,NY
Aroclor-1260	CT,NH,NY
Aroclor-1260 [2C]	CT,NH,NY
SW-846 8260B in Soil	
Acetone	CT,NH,NY
Benzene	CT,NH,NY
Bromobenzene	NH,NY
Bromochloromethane	NH,NY
Bromodichloromethane	CT,NH,NY
Bromoform	CT,NH,NY
Bromomethane	CT,NH,NY
2-Butanone (MEK)	CT,NH,NY
n-Butylbenzene	CT,NH,NY
sec-Butylbenzene	CT,NH,NY
tert-Butylbenzene	CT,NH,NY
Carbon Disulfide	CT,NH,NY
Carbon Tetrachloride	CT,NH,NY
Chlorobenzene	CT,NH,NY
Chlorodibromomethane	CT,NH,NY
Chloroethane	CT,NH,NY
Chloroform	CT,NH,NY
Chloromethane	CT,NH,NY
2-Chlorotoluene	CT,NH,NY
4-Chlorotoluene	CT,NH,NY
Dibromomethane	NH,NY
1,2-Dichlorobenzene	CT,NH,NY
1,3-Dichlorobenzene	CT,NH,NY
1,4-Dichlorobenzene	CT,NH,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260B in Soil	
Dichlorodifluoromethane (Freon 12)	NY
1,1-Dichloroethane	CT,NH,NY
1,2-Dichloroethane	CT,NH,NY
1,1-Dichloroethylene	CT,NH,NY
cis-1,2-Dichloroethylene	CT,NH,NY
trans-1,2-Dichloroethylene	CT,NH,NY
1,2-Dichloropropane	CT,NH,NY
1,3-Dichloropropane	NH,NY
2,2-Dichloropropane	NH,NY
1,1-Dichloropropene	NH,NY
cis-1,3-Dichloropropene	CT,NH,NY
trans-1,3-Dichloropropene	CT,NH,NY
Ethylbenzene	CT,NH,NY
Hexachlorobutadiene	NH,NY
2-Hexanone (MBK)	CT,NH,NY
Isopropylbenzene (Cumene)	CT,NH,NY
Methylene Chloride	CT,NH,NY
4-Methyl-2-pentanone (MIBK)	CT,NH,NY
Naphthalene	NH,NY
Styrene	CT,NH,NY
1,1,1,2-Tetrachloroethane	CT,NH,NY
1,1,2,2-Tetrachloroethane	CT,NH,NY
Tetrachloroethylene	CT,NH,NY
Toluene	CT,NH,NY
1,2,4-Trichlorobenzene	NH,NY
1,1,1-Trichloroethane	CT,NH,NY
1,1,2-Trichloroethane	CT,NH,NY
Trichloroethylene	CT,NH,NY
Trichlorofluoromethane (Freon 11)	CT,NH,NY
1,2,3-Trichloropropane	NH,NY
1,2,4-Trimethylbenzene	CT,NH,NY
1,3,5-Trimethylbenzene	CT,NH,NY
Vinyl Chloride	CT,NH,NY
m+p Xylene	CT,NH,NY
o-Xylene	CT,NH,NY
SW-846 8270C in Soil	
Acenaphthene	CT,NY,NH
Acenaphthylene	CT,NY,NH
Acetophenone	NY,NH
Aniline	NY,NH
Anthracene	CT,NY,NH
Benzo(a)anthracene	CT,NY,NH
Benzo(a)pyrene	CT,NY,NH
Benzo(b)fluoranthene	CT,NY,NH
Benzo(g,h,i)perylene	CT,NY,NH
Benzo(k)fluoranthene	CT,NY,NH

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8270C in Soil	
Bis(2-chloroethoxy)methane	CT,NY,NH
Bis(2-chloroethyl)ether	CT,NY,NH
Bis(2-chloroisopropyl)ether	CT,NY,NH
Bis(2-Ethylhexyl)phthalate	CT,NY,NH
4-Bromophenylphenylether	CT,NY,NH
Butylbenzylphthalate	CT,NY,NH
4-Chloroaniline	CT,NY,NH
2-Chloronaphthalene	CT,NY,NH
2-Chlorophenol	CT,NY,NH
Chrysene	CT,NY,NH
Dibenz(a,h)anthracene	CT,NY,NH
Dibenzofuran	CT,NY,NH
Di-n-butylphthalate	CT,NY,NH
1,2-Dichlorobenzene	NY,NH
1,3-Dichlorobenzene	NY,NH
1,4-Dichlorobenzene	NY,NH
3,3-Dichlorobenzidine	CT,NY,NH
2,4-Dichlorophenol	CT,NY,NH
Diethylphthalate	CT,NY,NH
2,4-Dimethylphenol	CT,NY,NH
Dimethylphthalate	CT,NY,NH
2,4-Dinitrophenol	CT,NY,NH
2,4-Dinitrotoluene	CT,NY,NH
2,6-Dinitrotoluene	CT,NY,NH
Di-n-octylphthalate	CT,NY,NH
1,2-Diphenylhydrazine (as Azobenzene)	NY,NH
Fluoranthene	CT,NY,NH
Fluorene	NY,NH
Hexachlorobenzene	CT,NY,NH
Hexachlorobutadiene	CT,NY,NH
Hexachloroethane	CT,NY,NH
Indeno(1,2,3-cd)pyrene	CT,NY,NH
Isophorone	CT,NY,NH
2-Methylnaphthalene	CT,NY,NH
2-Methylphenol	CT,NY,NH
3/4-Methylphenol	CT,NY,NH
Naphthalene	CT,NY,NH
Nitrobenzene	CT,NY,NH
2-Nitrophenol	CT,NY,NH
4-Nitrophenol	CT,NY,NH
Pentachlorophenol	CT,NY,NH
Phenanthrene	CT,NY,NH
Phenol	CT,NY,NH
Pyrene	CT,NY,NH
1,2,4-Trichlorobenzene	CT,NY,NH
2,4,5-Trichlorophenol	CT,NY,NH
2,4,6-Trichlorophenol	CT,NY,NH

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

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

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

CHAIN OF CUSTODY RECORD

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: New Bedford, MA
Sampled By: Jim Grundy

Telephone: (978) 970-5600
Project # 172744
Client PO # 25147

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 _____ proposal date
State Form Required? ☐ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab # 106007	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	VOCs	SVOCs	PCBs	TPH 5100	RCRA 5 metals (As, Cr, Cd, Hg, Pb)								# of containers	**Preservation	~Cont.Code
									6	2	→												
									NA	I	I	I	I										
									V	A	A	A	A										
	GRUB-1	01	6/30/10	1100	X		S	U	X	X	X	X	X										
	Trip Blank	02							X														

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

Client Comments:

Laboratory Comments:

DI VIALS / ENCORE
FROZEN AT:
06-30-10 17:23 IN

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:
James D. Grundy	6/30/10 1351
Received by: (signature)	Date/Time: 1351 6/30/10
Relinquished by: (signature)	Date/Time: 5008 6-30-10
Received by: (signature)	Date/Time: 1700 6/30/10

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 Method 1 51/52/53, SSC ~~Comm-97~~ Comm-97-001
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

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: 6/30/10

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank 4.8 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 received at Con-Test

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

Laboratory Comments:

40 mL vials: # HCl # Methanol 2

Bisulfate # DI Water 4

Thiosulfate Unpreserved

Time and Date Frozen: 06-30-10 17:25 IN

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

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

MADEP MCP Analytical Method Report Certification Form

Laboratory Name:	Con-Test Analytical Laboratory	Project #:	10G0017
Project Location:	New Bedford, MA	RTN:	

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

10G0017-01 thru 10G0017-02

Matrices: Soil

CAM Protocol (check all that below)

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

Affirmative response to Questions A throughF is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No[1]
B	Were the analytical method(s) and all associated QC requirements specificed in the selected CAM protocol(s) followed?	☑ Yes	☐ No[1]
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No[1]
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidlines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☐ Yes	☐ No[1]
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes	☐ No[1]
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Qestions A through E)?	☑ Yes	☐ No[1]

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

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

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

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

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

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

Signature:

Position: Laboratory Director

Printed Name: Michael A. Erickson

Date: 07/09/10

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

April 11, 2012

Alfred Leonard
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: Payne Cutlery
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 12D0117

Enclosed are results of analyses for samples received by the laboratory on April 4, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Alfred Leonard

REPORT DATE: 4/11/2012

PURCHASE ORDER NUMBER: 43538

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12D0117

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

PROJECT LOCATION: Payne Cutlery

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TRC-1	12D0117-01	Ground Water		MADEP-EPH-04-1.1	
				MADEP-VPH-04-1.1	
				SW-846 8260C	
TRC-4	12D0117-02	Ground Water		MADEP-EPH-04-1.1	
				MADEP-VPH-04-1.1	
				SW-846 8260C	
TRC-3	12D0117-03	Ground Water		SW-846 8260C	
TRC-2	12D0117-04	Ground Water		MADEP-EPH-04-1.1	
				MADEP-VPH-04-1.1	
				SW-846 8260C	
Trip Blanks	12D0117-05	Trip Blank Water		MADEP-VPH-04-1.1	
				SW-846 8260C	

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CASE NARRATIVE SUMMARY

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

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

MADEP-VPH-04-1.1

Qualifications:

Potential false positive result due to a non-petroleum hydrocarbon peak or peaks within the aliphatic/aromatic range.

Analyte & Samples(s) Qualified:

C5-C8 Aliphatics, Unadjusted C5-C8 Aliphatics

12D0117-02[TRC-4], 12D0117-04[TRC-2]

SW-846 8260C

Qualifications:

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Vinyl Chloride

B049254-BSD1

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

Analyte & Samples(s) Qualified:

Bromomethane, Chloromethane, Dichlorodifluoromethane (Freon 12)

B049254-BSD1, B049254-BS1

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

Analyte & Samples(s) Qualified:

1,4-Dioxane, 2-Hexanone (MBK), Tetrahydrofuran

12D0117-01[TRC-1], 12D0117-02[TRC-4], 12D0117-03[TRC-3], 12D0117-04[TRC-2], 12D0117-05[Trip Blanks], B049254-BLK1, B049254-BS1, B049254-BSD1

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

Analyte & Samples(s) Qualified:

, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane (DBCP), Bromomethane, Carbon Disulfide, Chloroethane, Chloroform, Chloromethane, Dichlorodifluoromethane (Freon 12), Diethyl Ether, m+p Xylene, Methylene Chloride, Naphthalene, Tetrahydrofuran, Trichlorofluoromethane (Freon 11), Vinyl Chloride

12D0117-03[TRC-3], 12D0117-04[TRC-2]

Elevated reporting limit based on lowest point in calibration.
MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

Bromomethane, Carbon Disulfide, Methylene Chloride, Naphthalene

12D0117-01[TRC-1], 12D0117-02[TRC-4]

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

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DBCP), 1,4-Dioxane, Acetone, Tetrahydrofuran

12D0117-01[TRC-1], 12D0117-02[TRC-4], 12D0117-03[TRC-3], 12D0117-04[TRC-2], 12D0117-05[Trip Blanks], B049254-BLK1, B049254-BS1, B049254-BSD1

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MADEP-EPH-04-1.1

SPE cartridge contamination with non-petroleum compounds, if present, is verified by GC/MS in each method blank per extraction batch and excluded from C 11-C22 aromatic range fraction in all samples in the batch. No significant modifications were made to the method.

MADEP-VPH-04-1.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

SW-846 8260C

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

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

Daren J. Damboragian
Laboratory Manager

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0117

Date Received: 4/4/2012

Field Sample #: TRC-1 | Sampled: 4/4/2012 12:45

Sample ID: 12D0117-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1	V-16	SW-846 8260C	4/6/12	4/6/12 12:15	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Bromomethane	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/6/12 12:15	MFF
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Carbon Disulfide	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-16	SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
cis-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
trans-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,4-Dioxane	ND	100	µg/L	1	R-05, V-16	SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0117

Date Received: 4/4/2012

Field Sample #: TRC-1 | Sampled: 4/4/2012 12:45

Sample ID: 12D0117-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
2-Hexanone (MBK)	ND	10	µg/L	1	R-05	SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Methylene Chloride	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/6/12 12:15	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Naphthalene	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/6/12 12:15	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Tetrahydrofuran	ND	2.0	µg/L	1	R-05, V-16	SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Trichloroethylene	15	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 12:15	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	112	70-130		4/6/12 12:15
Toluene-d8	97.8	70-130		4/6/12 12:15
4-Bromofluorobenzene	98.0	70-130		4/6/12 12:15

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

Project Location: Payne Cutlery
Sample Description:
Work Order: 12D0117
Date Received: 4/4/2012
Field Sample #: TRC-1
Sampled: 4/4/2012 12:45
Sample ID: 12D0117-01
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Acenaphthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Acenaphthylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Benzo(a)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Benzo(a)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Benzo(b)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Benzo(g,h,i)perylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Benzo(k)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Chrysene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Dibenz(a,h)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Fluorene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Naphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Phenanthrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS
Pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 0:44	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	56.7	40-140		4/7/12 0:44
o-Terphenyl (OTP)	83.0	40-140		4/7/12 0:44
2-Bromonaphthalene	101	40-140		4/7/12 0:44
2-Fluorobiphenyl	105	40-140		4/7/12 0:44

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0117

Date Received: 4/4/2012

Field Sample #: TRC-1 | Sampled: 4/4/2012 12:45

Sample ID: 12D0117-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 19:29	EEH
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 19:29	EEH
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 19:29	EEH
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 19:29	EEH
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 19:29	EEH
Benzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 19:29	EEH
Ethylbenzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 19:29	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 19:29	EEH
Naphthalene	ND	5.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 19:29	EEH
Toluene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 19:29	EEH
m+p Xylene	ND	2.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 19:29	EEH
o-Xylene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 19:29	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	77.8	70-130		4/5/12 19:29
2,5-Dibromotoluene (PID)	71.3	70-130		4/5/12 19:29

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0117

Date Received: 4/4/2012

Field Sample #: TRC-4 | Sampled: 4/4/2012 12:50

Sample ID: 12D0117-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	µg/L	20	V-16	SW-846 8260C	4/6/12	4/6/12 12:39	MFF
tert-Amyl Methyl Ether (TAME)	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Benzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Bromobenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Bromochloromethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Bromodichloromethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Bromoform	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Bromomethane	ND	100	µg/L	20	RL-07	SW-846 8260C	4/6/12	4/6/12 12:39	MFF
2-Butanone (MEK)	ND	200	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
n-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
sec-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
tert-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Carbon Disulfide	ND	100	µg/L	20	RL-07	SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Carbon Tetrachloride	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Chlorobenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Chlorodibromomethane	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Chloroethane	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Chloroform	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Chloromethane	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
2-Chlorotoluene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
4-Chlorotoluene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	40	µg/L	20	V-16	SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,2-Dibromoethane (EDB)	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Dibromomethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,2-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,3-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,4-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,1-Dichloroethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,2-Dichloroethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,1-Dichloroethylene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
cis-1,2-Dichloroethylene	50	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
trans-1,2-Dichloroethylene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,2-Dichloropropane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,3-Dichloropropane	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
2,2-Dichloropropane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,1-Dichloropropene	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
cis-1,3-Dichloropropene	ND	8.0	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
trans-1,3-Dichloropropene	ND	8.0	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Diethyl Ether	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Diisopropyl Ether (DIPE)	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,4-Dioxane	ND	2000	µg/L	20	R-05, V-16	SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Ethylbenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0117

Date Received: 4/4/2012

Field Sample #: TRC-4 | Sampled: 4/4/2012 12:50

Sample ID: 12D0117-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
2-Hexanone (MBK)	ND	200	µg/L	20	R-05	SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Isopropylbenzene (Cumene)	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Methylene Chloride	ND	100	µg/L	20	RL-07	SW-846 8260C	4/6/12	4/6/12 12:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	200	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Naphthalene	ND	100	µg/L	20	RL-07	SW-846 8260C	4/6/12	4/6/12 12:39	MFF
n-Propylbenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Styrene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,1,1,2-Tetrachloroethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,1,2,2-Tetrachloroethane	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Tetrachloroethylene	20	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Tetrahydrofuran	ND	40	µg/L	20	R-05, V-16	SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Toluene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,2,3-Trichlorobenzene	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,2,4-Trichlorobenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,1,1-Trichloroethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,1,2-Trichloroethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Trichloroethylene	1800	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Trichlorofluoromethane (Freon 11)	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,2,3-Trichloropropane	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,2,4-Trimethylbenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
1,3,5-Trimethylbenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
Vinyl Chloride	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
m+p Xylene	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF
o-Xylene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 12:39	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	115	70-130		4/6/12 12:39
Toluene-d8	99.3	70-130		4/6/12 12:39
4-Bromofluorobenzene	98.9	70-130		4/6/12 12:39

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0117

Date Received: 4/4/2012

Field Sample #: TRC-4 | Sampled: 4/4/2012 12:50

Sample ID: 12D0117-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Acenaphthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Acenaphthylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Benzo(a)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Benzo(a)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Benzo(b)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Benzo(g,h,i)perylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Benzo(k)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Chrysene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Dibenz(a,h)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Fluorene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Naphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Phenanthrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS
Pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:05	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	46.3	40-140		4/7/12 1:05
o-Terphenyl (OTP)	68.6	40-140		4/7/12 1:05
2-Bromonaphthalene	93.1	40-140		4/7/12 1:05
2-Fluorobiphenyl	99.5	40-140		4/7/12 1:05

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

Project Location: Payne Cutlery
Sample Description:
Work Order: 12D0117
Date Received: 4/4/2012
Field Sample #: TRC-4
Sampled: 4/4/2012 12:50
Sample ID: 12D0117-02
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	800	100	µg/L	1	Q-01	MADEP-VPH-04-1.1	4/5/12	4/6/12 8:22	EEH
C5-C8 Aliphatics	800	100	µg/L	1	Q-01	MADEP-VPH-04-1.1	4/5/12	4/6/12 8:22	EEH
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/6/12 8:22	EEH
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/6/12 8:22	EEH
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/6/12 8:22	EEH
Benzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/6/12 8:22	EEH
Ethylbenzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/6/12 8:22	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/6/12 8:22	EEH
Naphthalene	ND	5.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/6/12 8:22	EEH
Toluene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/6/12 8:22	EEH
m+p Xylene	ND	2.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/6/12 8:22	EEH
o-Xylene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/6/12 8:22	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	101	70-130		4/6/12 8:22
2,5-Dibromotoluene (PID)	92.6	70-130		4/6/12 8:22

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0117

Date Received: 4/4/2012

Field Sample #: TRC-3 | Sampled: 4/4/2012 15:00

Sample ID: 12D0117-03

Sample Matrix: Ground Water

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	200	µg/L	20	V-16	SW-846 8260C	4/6/12	4/6/12 13:04	MFF
tert-Amyl Methyl Ether (TAME)	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Benzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Bromobenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Bromochloromethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Bromodichloromethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Bromoform	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Bromomethane	ND	100	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
2-Butanone (MEK)	ND	200	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
n-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
sec-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
tert-Butylbenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Carbon Disulfide	ND	100	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Carbon Tetrachloride	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Chlorobenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Chlorodibromomethane	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Chloroethane	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Chloroform	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Chloromethane	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
2-Chlorotoluene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
4-Chlorotoluene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	40	µg/L	20	V-16	SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,2-Dibromoethane (EDB)	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Dibromomethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,2-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,3-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,4-Dichlorobenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,1-Dichloroethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,2-Dichloroethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,1-Dichloroethylene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
cis-1,2-Dichloroethylene	61	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
trans-1,2-Dichloroethylene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,2-Dichloropropane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,3-Dichloropropane	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
2,2-Dichloropropane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,1-Dichloropropene	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
cis-1,3-Dichloropropene	ND	8.0	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
trans-1,3-Dichloropropene	ND	8.0	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Diethyl Ether	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Diisopropyl Ether (DIPE)	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,4-Dioxane	ND	2000	µg/L	20	R-05, V-16	SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Ethylbenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0117

Date Received: 4/4/2012

Field Sample #: TRC-3 | Sampled: 4/4/2012 15:00

Sample ID: 12D0117-03

Sample Matrix: Ground Water

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
2-Hexanone (MBK)	ND	200	µg/L	20	R-05	SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Isopropylbenzene (Cumene)	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Methyl tert-Butyl Ether (MTBE)	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Methylene Chloride	ND	100	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	200	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Naphthalene	ND	100	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
n-Propylbenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Styrene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,1,1,2-Tetrachloroethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,1,2,2-Tetrachloroethane	ND	10	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Tetrachloroethylene	68	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Tetrahydrofuran	ND	40	µg/L	20	R-05, V-16	SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Toluene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,2,3-Trichlorobenzene	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,2,4-Trichlorobenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,1,1-Trichloroethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,1,2-Trichloroethane	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Trichloroethylene	1100	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Trichlorofluoromethane (Freon 11)	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,2,3-Trichloropropane	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,2,4-Trimethylbenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
1,3,5-Trimethylbenzene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
Vinyl Chloride	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
m+p Xylene	ND	40	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF
o-Xylene	ND	20	µg/L	20		SW-846 8260C	4/6/12	4/6/12 13:04	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	114	70-130		4/6/12 13:04
Toluene-d8	101	70-130		4/6/12 13:04
4-Bromofluorobenzene	96.0	70-130		4/6/12 13:04

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0117

Date Received: 4/4/2012

Field Sample #: TRC-2 | Sampled: 4/4/2012 14:40

Sample ID: 12D0117-04

Sample Matrix: Ground Water

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	20	µg/L	2	V-16	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
tert-Amyl Methyl Ether (TAME)	ND	1.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Benzene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Bromobenzene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Bromochloromethane	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Bromodichloromethane	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Bromoform	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Bromomethane	ND	10	µg/L	2	RL-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
2-Butanone (MEK)	ND	20	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
n-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
sec-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
tert-Butylbenzene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	1.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Carbon Disulfide	ND	10	µg/L	2	RL-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Carbon Tetrachloride	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Chlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Chlorodibromomethane	ND	1.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Chloroethane	ND	4.0	µg/L	2	RL-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Chloroform	ND	4.0	µg/L	2	RL-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Chloromethane	ND	4.0	µg/L	2	RL-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
2-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
4-Chlorotoluene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	4.0	µg/L	2	RL-05, V-16	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,2-Dibromoethane (EDB)	ND	1.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Dibromomethane	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,2-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,3-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,4-Dichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Dichlorodifluoromethane (Freon 12)	ND	4.0	µg/L	2	RL-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,1-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,2-Dichloroethane	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,1-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
cis-1,2-Dichloroethylene	56	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
trans-1,2-Dichloroethylene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,3-Dichloropropane	ND	1.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
2,2-Dichloropropane	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,1-Dichloropropene	ND	1.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
cis-1,3-Dichloropropene	ND	0.80	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
trans-1,3-Dichloropropene	ND	0.80	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Diethyl Ether	ND	4.0	µg/L	2	RL-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Diisopropyl Ether (DIPE)	ND	1.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,4-Dioxane	ND	200	µg/L	2	R-05, V-16	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Ethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0117

Date Received: 4/4/2012

Field Sample #: TRC-2 | Sampled: 4/4/2012 14:40

Sample ID: 12D0117-04

Sample Matrix: Ground Water

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	1.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
2-Hexanone (MBK)	ND	20	µg/L	2	R-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Isopropylbenzene (Cumene)	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
p-Isopropyltoluene (p-Cymene)	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Methylene Chloride	ND	10	µg/L	2	RL-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
4-Methyl-2-pentanone (MIBK)	ND	20	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Naphthalene	ND	10	µg/L	2	RL-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
n-Propylbenzene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Styrene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,1,1,2-Tetrachloroethane	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,1,2,2-Tetrachloroethane	ND	1.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Tetrachloroethylene	18	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Tetrahydrofuran	ND	4.0	µg/L	2	R-05, RL-05, V-16	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Toluene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,2,3-Trichlorobenzene	ND	4.0	µg/L	2	RL-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,2,4-Trichlorobenzene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,1,1-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,1,2-Trichloroethane	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Trichloroethylene	240	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Trichlorofluoromethane (Freon 11)	ND	4.0	µg/L	2	RL-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,2,3-Trichloropropane	ND	4.0	µg/L	2	RL-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,2,4-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
1,3,5-Trimethylbenzene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF
Vinyl Chloride	ND	4.0	µg/L	2	RL-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
m+p Xylene	ND	4.0	µg/L	2	RL-05	SW-846 8260C	4/6/12	4/6/12 13:28	MFF
o-Xylene	ND	2.0	µg/L	2		SW-846 8260C	4/6/12	4/6/12 13:28	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	114	70-130		4/6/12 13:28
Toluene-d8	99.8	70-130		4/6/12 13:28
4-Bromofluorobenzene	96.1	70-130		4/6/12 13:28

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

Project Location: Payne Cutlery
Sample Description:
Work Order: 12D0117
Date Received: 4/4/2012
Field Sample #: TRC-2
Sampled: 4/4/2012 14:40
Sample ID: 12D0117-04
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Acenaphthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Acenaphthylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Benzo(a)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Benzo(a)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Benzo(b)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Benzo(g,h,i)perylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Benzo(k)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Chrysene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Dibenz(a,h)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Fluorene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Naphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Phenanthrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS
Pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/5/12	4/7/12 1:26	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	52.3	40-140		4/7/12 1:26
o-Terphenyl (OTP)	78.7	40-140		4/7/12 1:26
2-Bromonaphthalene	98.8	40-140		4/7/12 1:26
2-Fluorobiphenyl	105	40-140		4/7/12 1:26

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

Project Location: Payne Cutlery
Sample Description:
Work Order: 12D0117
Date Received: 4/4/2012
Field Sample #: TRC-2
Sampled: 4/4/2012 14:40
Sample ID: 12D0117-04
Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	130	100	µg/L	1	Q-01	MADEP-VPH-04-1.1	4/5/12	4/5/12 12:53	EEH
C5-C8 Aliphatics	130	100	µg/L	1	Q-01	MADEP-VPH-04-1.1	4/5/12	4/5/12 12:53	EEH
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 12:53	EEH
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 12:53	EEH
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 12:53	EEH
Benzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 12:53	EEH
Ethylbenzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 12:53	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 12:53	EEH
Naphthalene	ND	5.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 12:53	EEH
Toluene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 12:53	EEH
m+p Xylene	ND	2.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 12:53	EEH
o-Xylene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 12:53	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	111	70-130		4/5/12 12:53
2,5-Dibromotoluene (PID)	102	70-130		4/5/12 12:53

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0117

Date Received: 4/4/2012

Field Sample #: Trip Blanks | Sampled: 4/4/2012 00:00

Sample ID: 12D0117-05

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1	V-16	SW-846 8260C	4/6/12	4/6/12 11:51	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Bromomethane	ND	5.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-16	SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
cis-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
trans-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,4-Dioxane	ND	100	µg/L	1	R-05, V-16	SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0117

Date Received: 4/4/2012

Field Sample #: Trip Blanks | Sampled: 4/4/2012 00:00

Sample ID: 12D0117-05

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
2-Hexanone (MBK)	ND	10	µg/L	1	R-05	SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Naphthalene	ND	5.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Tetrahydrofuran	ND	2.0	µg/L	1	R-05, V-16	SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 11:51	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	113	70-130		4/6/12 11:51
Toluene-d8	99.9	70-130		4/6/12 11:51
4-Bromofluorobenzene	97.4	70-130		4/6/12 11:51

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

Project Location: Payne Cutlery
Sample Description:
Work Order: 12D0117

Date Received: 4/4/2012

Field Sample #: Trip Blanks
Sampled: 4/4/2012 00:00

Sample ID: 12D0117-05

Sample Matrix: Trip Blank Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 11:41	EEH
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 11:41	EEH
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 11:41	EEH
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 11:41	EEH
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 11:41	EEH
Benzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 11:41	EEH
Ethylbenzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 11:41	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 11:41	EEH
Naphthalene	ND	5.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 11:41	EEH
Toluene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 11:41	EEH
m+p Xylene	ND	2.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 11:41	EEH
o-Xylene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/5/12	4/5/12 11:41	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	84.6	70-130		4/5/12 11:41
2,5-Dibromotoluene (PID)	75.9	70-130		4/5/12 11:41

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

Sample Extraction Data

Prep Method: SW-846 3510C-MADEP-EPH-04-1.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12D0117-01 [TRC-1]	B049223	1000	2.00	04/05/12
12D0117-02 [TRC-4]	B049223	1000	2.00	04/05/12
12D0117-04 [TRC-2]	B049223	1000	2.00	04/05/12

Prep Method: MA VPH-MADEP-VPH-04-1.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12D0117-01 [TRC-1]	B049201	5	5.00	04/05/12
12D0117-02 [TRC-4]	B049201	5	5.00	04/05/12
12D0117-04 [TRC-2]	B049201	5	5.00	04/05/12
12D0117-05 [Trip Blanks]	B049201	5	5.00	04/05/12

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12D0117-01 [TRC-1]	B049254	5	5.00	04/06/12
12D0117-02 [TRC-4]	B049254	0.25	5.00	04/06/12
12D0117-03 [TRC-3]	B049254	0.25	5.00	04/06/12
12D0117-04 [TRC-2]	B049254	2.5	5.00	04/06/12
12D0117-05 [Trip Blanks]	B049254	5	5.00	04/06/12

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B049254 - SW-846 5030B										
Blank (B049254-BLK1)				Prepared & Analyzed: 04/06/12						
Acetone	ND	10	µg/L							V-16
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	5.0	µg/L							
2-Butanone (MEK)	ND	10	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							V-16
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.40	µg/L							
trans-1,3-Dichloropropene	ND	0.40	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	100	µg/L							R-05, V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							R-05
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B049254 - SW-846 5030B											
Blank (B049254-BLK1)				Prepared & Analyzed: 04/06/12							
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	2.0	µg/L							R-05, V-16	
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	2.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*28.6*		µg/L	25.0		114	70-130				
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100	70-130				
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.1	70-130				
LCS (B049254-BS1)				Prepared & Analyzed: 04/06/12							
Acetone	96.6	10	µg/L	100		96.6	40-160			V-16	†
tert-Amyl Methyl Ether (TAME)	8.26	0.50	µg/L	10.0		82.6	70-130				
Benzene	9.33	1.0	µg/L	10.0		93.3	70-130				
Bromobenzene	9.59	1.0	µg/L	10.0		95.9	70-130				
Bromochloromethane	9.08	1.0	µg/L	10.0		90.8	70-130				
Bromodichloromethane	10.3	1.0	µg/L	10.0		103	70-130				
Bromoform	9.61	1.0	µg/L	10.0		96.1	70-130				
Bromomethane	7.08	5.0	µg/L	10.0		70.8	40-160				†
2-Butanone (MEK)	76.3	10	µg/L	100		76.3	40-160				†
n-Butylbenzene	10.1	1.0	µg/L	10.0		101	70-130				
sec-Butylbenzene	10.5	1.0	µg/L	10.0		105	70-130				
tert-Butylbenzene	10.7	1.0	µg/L	10.0		107	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.10	0.50	µg/L	10.0		91.0	70-130				
Carbon Disulfide	9.87	5.0	µg/L	10.0		98.7	70-130				
Carbon Tetrachloride	11.1	1.0	µg/L	10.0		111	70-130				
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				
Chlorodibromomethane	9.86	0.50	µg/L	10.0		98.6	70-130				
Chloroethane	9.86	2.0	µg/L	10.0		98.6	70-130				
Chloroform	10.5	2.0	µg/L	10.0		105	70-130				
Chloromethane	7.17	2.0	µg/L	10.0		71.7	40-160				†
2-Chlorotoluene	10.6	1.0	µg/L	10.0		106	70-130				
4-Chlorotoluene	11.2	1.0	µg/L	10.0		112	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	9.55	2.0	µg/L	10.0		95.5	70-130			V-16	
1,2-Dibromoethane (EDB)	9.57	0.50	µg/L	10.0		95.7	70-130				
Dibromomethane	9.78	1.0	µg/L	10.0		97.8	70-130				
1,2-Dichlorobenzene	9.96	1.0	µg/L	10.0		99.6	70-130				
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				
1,4-Dichlorobenzene	9.80	1.0	µg/L	10.0		98.0	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B049254 - SW-846 5030B											
LCS (B049254-BS1)				Prepared & Analyzed: 04/06/12							
Dichlorodifluoromethane (Freon 12)	5.44	2.0	µg/L	10.0		54.4	40-160			L-14	†
1,1-Dichloroethane	9.92	1.0	µg/L	10.0		99.2	70-130				
1,2-Dichloroethane	11.6	1.0	µg/L	10.0		116	70-130				
1,1-Dichloroethylene	11.5	1.0	µg/L	10.0		115	70-130				
cis-1,2-Dichloroethylene	9.32	1.0	µg/L	10.0		93.2	70-130				
trans-1,2-Dichloroethylene	9.69	1.0	µg/L	10.0		96.9	70-130				
1,2-Dichloropropane	9.89	1.0	µg/L	10.0		98.9	70-130				
1,3-Dichloropropane	9.25	0.50	µg/L	10.0		92.5	70-130				
2,2-Dichloropropane	10.2	1.0	µg/L	10.0		102	70-130				
1,1-Dichloropropene	9.27	0.50	µg/L	10.0		92.7	70-130				
cis-1,3-Dichloropropene	9.19	0.40	µg/L	10.0		91.9	70-130				
trans-1,3-Dichloropropene	10.1	0.40	µg/L	10.0		101	70-130				
Diethyl Ether	9.32	2.0	µg/L	10.0		93.2	70-130				
Diisopropyl Ether (DIPE)	9.91	0.50	µg/L	10.0		99.1	70-130				
1,4-Dioxane	92.3	100	µg/L	100		92.3	40-160			R-05, V-16	†
Ethylbenzene	9.82	1.0	µg/L	10.0		98.2	70-130				
Hexachlorobutadiene	10.5	0.50	µg/L	10.0		105	70-130				
2-Hexanone (MBK)	82.1	10	µg/L	100		82.1	40-160			R-05	†
Isopropylbenzene (Cumene)	10.2	1.0	µg/L	10.0		102	70-130				
p-Isopropyltoluene (p-Cymene)	10.4	1.0	µg/L	10.0		104	70-130				
Methyl tert-Butyl Ether (MTBE)	9.17	1.0	µg/L	10.0		91.7	70-130				
Methylene Chloride	8.98	5.0	µg/L	10.0		89.8	70-130				
4-Methyl-2-pentanone (MIBK)	85.9	10	µg/L	100		85.9	40-160				†
Naphthalene	7.24	5.0	µg/L	10.0		72.4	70-130				
n-Propylbenzene	10.6	1.0	µg/L	10.0		106	70-130				
Styrene	9.69	1.0	µg/L	10.0		96.9	70-130				
1,1,1,2-Tetrachloroethane	10.0	1.0	µg/L	10.0		100	70-130				
1,1,2,2-Tetrachloroethane	8.51	0.50	µg/L	10.0		85.1	70-130				
Tetrachloroethylene	10.5	1.0	µg/L	10.0		105	70-130				
Tetrahydrofuran	7.14	2.0	µg/L	10.0		71.4	70-130			R-05, V-16	
Toluene	10.1	1.0	µg/L	10.0		101	70-130				
1,2,3-Trichlorobenzene	9.13	2.0	µg/L	10.0		91.3	70-130				
1,2,4-Trichlorobenzene	8.91	1.0	µg/L	10.0		89.1	70-130				
1,1,1-Trichloroethane	11.0	1.0	µg/L	10.0		110	70-130				
1,1,2-Trichloroethane	9.11	1.0	µg/L	10.0		91.1	70-130				
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
Trichlorofluoromethane (Freon 11)	10.9	2.0	µg/L	10.0		109	70-130				
1,2,3-Trichloropropane	9.29	2.0	µg/L	10.0		92.9	70-130				
1,2,4-Trimethylbenzene	9.77	1.0	µg/L	10.0		97.7	70-130				
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101	70-130				
Vinyl Chloride	7.62	2.0	µg/L	10.0		76.2	70-130				
m+p Xylene	21.3	2.0	µg/L	20.0		106	70-130				
o-Xylene	10.8	1.0	µg/L	10.0		108	70-130				
Surrogate: 1,2-Dichloroethane-d4	*27.0*		µg/L	25.0		108	70-130				
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100	70-130				
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		99.9	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B049254 - SW-846 5030B											
LCS Dup (B049254-BSD1)				Prepared & Analyzed: 04/06/12							
Acetone	102	10	µg/L	100		102	40-160	5.76	20	V-16	†
tert-Amyl Methyl Ether (TAME)	8.76	0.50	µg/L	10.0		87.6	70-130	5.88	20		
Benzene	8.56	1.0	µg/L	10.0		85.6	70-130	8.61	20		
Bromobenzene	9.42	1.0	µg/L	10.0		94.2	70-130	1.79	20		
Bromochloromethane	8.99	1.0	µg/L	10.0		89.9	70-130	0.996	20		
Bromodichloromethane	10.2	1.0	µg/L	10.0		102	70-130	0.782	20		
Bromoform	10.1	1.0	µg/L	10.0		101	70-130	5.17	20		
Bromomethane	6.30	5.0	µg/L	10.0		63.0	40-160	11.7	20	L-14	†
2-Butanone (MEK)	87.3	10	µg/L	100		87.3	40-160	13.4	20		†
n-Butylbenzene	9.59	1.0	µg/L	10.0		95.9	70-130	5.18	20		
sec-Butylbenzene	9.43	1.0	µg/L	10.0		94.3	70-130	10.5	20		
tert-Butylbenzene	10.0	1.0	µg/L	10.0		100	70-130	6.58	20		
tert-Butyl Ethyl Ether (TBEE)	9.15	0.50	µg/L	10.0		91.5	70-130	0.548	20		
Carbon Disulfide	8.69	5.0	µg/L	10.0		86.9	70-130	12.7	20		
Carbon Tetrachloride	10.0	1.0	µg/L	10.0		100	70-130	9.67	20		
Chlorobenzene	9.90	1.0	µg/L	10.0		99.0	70-130	5.79	20		
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103	70-130	3.98	20		
Chloroethane	8.45	2.0	µg/L	10.0		84.5	70-130	15.4	20		
Chloroform	10.0	2.0	µg/L	10.0		100	70-130	4.86	20		
Chloromethane	6.75	2.0	µg/L	10.0		67.5	40-160	6.03	20	L-14	†
2-Chlorotoluene	10.2	1.0	µg/L	10.0		102	70-130	4.14	20		
4-Chlorotoluene	10.5	1.0	µg/L	10.0		105	70-130	5.80	20		
1,2-Dibromo-3-chloropropane (DBCP)	11.1	2.0	µg/L	10.0		111	70-130	14.8	20	V-16	
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102	70-130	6.76	20		
Dibromomethane	10.2	1.0	µg/L	10.0		102	70-130	3.71	20		
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	4.23	20		
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104	70-130	1.82	20		
1,4-Dichlorobenzene	9.55	1.0	µg/L	10.0		95.5	70-130	2.58	20		
Dichlorodifluoromethane (Freon 12)	4.81	2.0	µg/L	10.0		48.1	40-160	12.3	20	L-14	†
1,1-Dichloroethane	9.22	1.0	µg/L	10.0		92.2	70-130	7.31	20		
1,2-Dichloroethane	11.8	1.0	µg/L	10.0		118	70-130	2.05	20		
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130	11.8	20		
cis-1,2-Dichloroethylene	8.79	1.0	µg/L	10.0		87.9	70-130	5.85	20		
trans-1,2-Dichloroethylene	8.97	1.0	µg/L	10.0		89.7	70-130	7.72	20		
1,2-Dichloropropane	9.52	1.0	µg/L	10.0		95.2	70-130	3.81	20		
1,3-Dichloropropane	9.73	0.50	µg/L	10.0		97.3	70-130	5.06	20		
2,2-Dichloropropane	9.39	1.0	µg/L	10.0		93.9	70-130	8.47	20		
1,1-Dichloropropene	8.83	0.50	µg/L	10.0		88.3	70-130	4.86	20		
cis-1,3-Dichloropropene	9.25	0.40	µg/L	10.0		92.5	70-130	0.651	20		
trans-1,3-Dichloropropene	10.6	0.40	µg/L	10.0		106	70-130	4.64	20		
Diethyl Ether	9.57	2.0	µg/L	10.0		95.7	70-130	2.65	20		
Diisopropyl Ether (DIPE)	9.60	0.50	µg/L	10.0		96.0	70-130	3.18	20		
1,4-Dioxane	119	100	µg/L	100		119	40-160	**25.3** *	20	R-05, V-16	†
Ethylbenzene	9.01	1.0	µg/L	10.0		90.1	70-130	8.60	20		
Hexachlorobutadiene	10.3	0.50	µg/L	10.0		103	70-130	2.01	20		
2-Hexanone (MBK)	102	10	µg/L	100		102	40-160	**21.5** *	20	R-05	†
Isopropylbenzene (Cumene)	9.68	1.0	µg/L	10.0		96.8	70-130	5.72	20		
p-Isopropyltoluene (p-Cymene)	9.80	1.0	µg/L	10.0		98.0	70-130	6.13	20		
Methyl tert-Butyl Ether (MTBE)	9.70	1.0	µg/L	10.0		97.0	70-130	5.62	20		
Methylene Chloride	8.66	5.0	µg/L	10.0		86.6	70-130	3.63	20		
4-Methyl-2-pentanone (MIBK)	104	10	µg/L	100		104	40-160	18.8	20		†
Naphthalene	8.33	5.0	µg/L	10.0		83.3	70-130	14.0	20		

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B049254 - SW-846 5030B												
LCS Dup (B049254-BSD1)				Prepared & Analyzed: 04/06/12								
n-Propylbenzene	9.88	1.0	µg/L	10.0		98.8		70-130	7.22		20	
Styrene	9.27	1.0	µg/L	10.0		92.7		70-130	4.43		20	
1,1,1,2-Tetrachloroethane	9.74	1.0	µg/L	10.0		97.4		70-130	2.93		20	
1,1,2,2-Tetrachloroethane	9.41	0.50	µg/L	10.0		94.1		70-130	10.0		20	
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104		70-130	0.670		20	
Tetrahydrofuran	9.91	2.0	µg/L	10.0		99.1		70-130	**32.5**	*	20	R-05, V-16
Toluene	9.80	1.0	µg/L	10.0		98.0		70-130	2.62		20	
1,2,3-Trichlorobenzene	9.85	2.0	µg/L	10.0		98.5		70-130	7.59		20	
1,2,4-Trichlorobenzene	9.64	1.0	µg/L	10.0		96.4		70-130	7.87		20	
1,1,1-Trichloroethane	10.3	1.0	µg/L	10.0		103		70-130	6.19		20	
1,1,2-Trichloroethane	9.70	1.0	µg/L	10.0		97.0		70-130	6.27		20	
Trichloroethylene	10.0	1.0	µg/L	10.0		100		70-130	1.68		20	
Trichlorofluoromethane (Freon 11)	9.73	2.0	µg/L	10.0		97.3		70-130	11.1		20	
1,2,3-Trichloropropane	10.2	2.0	µg/L	10.0		102		70-130	9.14		20	
1,2,4-Trimethylbenzene	9.67	1.0	µg/L	10.0		96.7		70-130	1.03		20	
1,3,5-Trimethylbenzene	9.43	1.0	µg/L	10.0		94.3		70-130	6.86		20	
Vinyl Chloride	6.82	2.0	µg/L	10.0		**68.2**	*	70-130	11.1		20	L-07
m+p Xylene	19.9	2.0	µg/L	20.0		99.3		70-130	7.00		20	
o-Xylene	10.1	1.0	µg/L	10.0		101		70-130	6.61		20	
Surrogate: 1,2-Dichloroethane-d4	*27.3*		µg/L	25.0		109		70-130				
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103		70-130				
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101		70-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B049223 - SW-846 3510C										
Blank (B049223-BLK1)				Prepared: 04/05/12 Analyzed: 04/06/12						
C9-C18 Aliphatics	ND	100	µg/L							
C19-C36 Aliphatics	ND	100	µg/L							
Unadjusted C11-C22 Aromatics	ND	100	µg/L							
C11-C22 Aromatics	ND	100	µg/L							
Acenaphthene	ND	2.0	µg/L							
Acenaphthylene	ND	2.0	µg/L							
Anthracene	ND	2.0	µg/L							
Benzo(a)anthracene	ND	2.0	µg/L							
Benzo(a)pyrene	ND	2.0	µg/L							
Benzo(b)fluoranthene	ND	2.0	µg/L							
Benzo(g,h,i)perylene	ND	2.0	µg/L							
Benzo(k)fluoranthene	ND	2.0	µg/L							
Chrysene	ND	2.0	µg/L							
Dibenz(a,h)anthracene	ND	2.0	µg/L							
Fluoranthene	ND	2.0	µg/L							
Fluorene	ND	2.0	µg/L							
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L							
2-Methylnaphthalene	ND	2.0	µg/L							
Naphthalene	ND	2.0	µg/L							
Phenanthrene	ND	2.0	µg/L							
Pyrene	ND	2.0	µg/L							
Surrogate: Chlorooctadecane (COD)	*70.1*		µg/L	99.8		70.2	40-140			
Surrogate: o-Terphenyl (OTP)	*88.8*		µg/L	100		88.8	40-140			
Surrogate: 2-Bromonaphthalene	*103*		µg/L	100		103	40-140			
Surrogate: 2-Fluorobiphenyl	*106*		µg/L	100		106	40-140			
LCS (B049223-BS1)				Prepared: 04/05/12 Analyzed: 04/06/12						
Acenaphthene	91.3	2.0	µg/L	100		91.3	40-140			
Acenaphthylene	85.8	2.0	µg/L	100		85.8	40-140			
Anthracene	92.0	2.0	µg/L	100		92.0	40-140			
Benzo(a)anthracene	97.3	2.0	µg/L	100		97.3	40-140			
Benzo(a)pyrene	83.1	2.0	µg/L	100		83.1	40-140			
Benzo(b)fluoranthene	89.2	2.0	µg/L	100		89.2	40-140			
Benzo(g,h,i)perylene	88.1	2.0	µg/L	100		88.1	40-140			
Benzo(k)fluoranthene	87.8	2.0	µg/L	100		87.8	40-140			
Chrysene	85.1	2.0	µg/L	100		85.1	40-140			
Dibenz(a,h)anthracene	92.0	2.0	µg/L	100		92.0	40-140			
Fluoranthene	89.5	2.0	µg/L	100		89.5	40-140			
Fluorene	91.6	2.0	µg/L	100		91.6	40-140			
Indeno(1,2,3-cd)pyrene	84.5	2.0	µg/L	100		84.5	40-140			
2-Methylnaphthalene	77.6	2.0	µg/L	100		77.6	40-140			
Naphthalene	68.8	2.0	µg/L	100		68.8	40-140			
Phenanthrene	90.7	2.0	µg/L	100		90.7	40-140			
Pyrene	90.3	2.0	µg/L	100		90.3	40-140			
n-Decane	58.0	2.0	µg/L	100		58.0	40-140			
n-Docosane	104	2.0	µg/L	100		104	40-140			
n-Dodecane	75.9	2.0	µg/L	100		75.9	40-140			
n-Eicosane	101	2.0	µg/L	100		101	40-140			
n-Hexacosane	97.6	2.0	µg/L	100		97.6	40-140			
n-Hexadecane	99.9	2.0	µg/L	100		99.9	40-140			
n-Hexatriacontane	104	2.0	µg/L	100		104	40-140			
n-Nonadecane	99.8	2.0	µg/L	100		99.8	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B049223 - SW-846 3510C										
LCS (B049223-BS1)				Prepared: 04/05/12 Analyzed: 04/06/12						
n-Nonane	41.8	2.0	µg/L	100		41.8	30-140			
n-Octacosane	96.3	2.0	µg/L	100		96.3	40-140			
n-Octadecane	104	2.0	µg/L	100		104	40-140			
n-Tetracosane	97.9	2.0	µg/L	100		97.9	40-140			
n-Tetradecane	89.5	2.0	µg/L	100		89.5	40-140			
n-Triacontane	99.3	2.0	µg/L	100		99.3	40-140			
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*70.0*		µg/L	99.8		70.2	40-140			
Surrogate: o-Terphenyl (OTP)	*94.7*		µg/L	100		94.7	40-140			
Surrogate: 2-Bromonaphthalene	*96.2*		µg/L	100		96.2	40-140			
Surrogate: 2-Fluorobiphenyl	*110*		µg/L	100		110	40-140			
LCS Dup (B049223-BSD1)				Prepared: 04/05/12 Analyzed: 04/06/12						
Acenaphthene	90.0	2.0	µg/L	100		90.0	40-140	1.40	25	
Acenaphthylene	86.0	2.0	µg/L	100		86.0	40-140	0.247	25	
Anthracene	90.0	2.0	µg/L	100		90.0	40-140	2.22	25	
Benzo(a)anthracene	94.2	2.0	µg/L	100		94.2	40-140	3.23	25	
Benzo(a)pyrene	80.9	2.0	µg/L	100		80.9	40-140	2.73	25	
Benzo(b)fluoranthene	86.5	2.0	µg/L	100		86.5	40-140	3.07	25	
Benzo(g,h,i)perylene	85.0	2.0	µg/L	100		85.0	40-140	3.50	25	
Benzo(k)fluoranthene	85.3	2.0	µg/L	100		85.3	40-140	2.81	25	
Chrysene	82.4	2.0	µg/L	100		82.4	40-140	3.19	25	
Dibenz(a,h)anthracene	89.1	2.0	µg/L	100		89.1	40-140	3.20	25	
Fluoranthene	87.0	2.0	µg/L	100		87.0	40-140	2.84	25	
Fluorene	91.1	2.0	µg/L	100		91.1	40-140	0.563	25	
Indeno(1,2,3-cd)pyrene	81.9	2.0	µg/L	100		81.9	40-140	3.19	25	
2-Methylnaphthalene	78.5	2.0	µg/L	100		78.5	40-140	1.11	25	
Naphthalene	69.2	2.0	µg/L	100		69.2	40-140	0.530	25	
Phenanthrene	88.8	2.0	µg/L	100		88.8	40-140	2.10	25	
Pyrene	87.5	2.0	µg/L	100		87.5	40-140	3.12	25	
n-Decane	61.2	2.0	µg/L	100		61.2	40-140	5.50	25	
n-Docosane	99.2	2.0	µg/L	100		99.2	40-140	4.38	25	
n-Dodecane	78.4	2.0	µg/L	100		78.4	40-140	3.31	25	
n-Eicosane	97.6	2.0	µg/L	100		97.6	40-140	3.85	25	
n-Hexacosane	93.3	2.0	µg/L	100		93.3	40-140	4.57	25	
n-Hexadecane	98.5	2.0	µg/L	100		98.5	40-140	1.46	25	
n-Hexatriacontane	96.8	2.0	µg/L	100		96.8	40-140	7.11	25	
n-Nonadecane	96.5	2.0	µg/L	100		96.5	40-140	3.44	25	
n-Nonane	46.4	2.0	µg/L	100		46.4	30-140	10.3	25	
n-Octacosane	91.7	2.0	µg/L	100		91.7	40-140	4.82	25	
n-Octadecane	100	2.0	µg/L	100		100	40-140	3.24	25	
n-Tetracosane	93.5	2.0	µg/L	100		93.5	40-140	4.56	25	
n-Tetradecane	89.8	2.0	µg/L	100		89.8	40-140	0.402	25	
n-Triacontane	94.4	2.0	µg/L	100		94.4	40-140	5.05	25	
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*61.8*		µg/L	99.8		61.9	40-140			
Surrogate: o-Terphenyl (OTP)	*89.2*		µg/L	100		89.2	40-140			
Surrogate: 2-Bromonaphthalene	*91.1*		µg/L	100		91.1	40-140			
Surrogate: 2-Fluorobiphenyl	*104*		µg/L	100		104	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B049201 - MA VPH										
Blank (B049201-BLK1)				Prepared & Analyzed: 04/05/12						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Toluene	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*38.6*		µg/L	40.0		96.6	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*37.0*		µg/L	40.0		92.6	70-130			
LCS (B049201-BS1)				Prepared & Analyzed: 04/05/12						
Benzene	97.0	1.0	µg/L	100		97.0	70-130			
Butylcyclohexane	90.7	1.0	µg/L	100		90.7	70-130			
Decane	99.0	1.0	µg/L	100		99.0	70-130			
Ethylbenzene	96.9	1.0	µg/L	100		96.9	70-130			
Methyl tert-Butyl Ether (MTBE)	89.3	1.0	µg/L	100		89.3	70-130			
2-Methylpentane	113	1.0	µg/L	100		113	70-130			
Naphthalene	84.9	5.0	µg/L	100		84.9	70-130			
Nonane	89.6	1.0	µg/L	100		89.6	30-130			
Pentane	109	1.0	µg/L	100		109	70-130			
Toluene	96.5	1.0	µg/L	100		96.5	70-130			
1,2,4-Trimethylbenzene	93.8	1.0	µg/L	100		93.8	70-130			
2,2,4-Trimethylpentane	104	1.0	µg/L	100		104	70-130			
m+p Xylene	195	2.0	µg/L	200		97.6	70-130			
o-Xylene	95.5	1.0	µg/L	100		95.5	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*35.2*		µg/L	40.0		88.0	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*32.0*		µg/L	40.0		80.1	70-130			
LCS Dup (B049201-BSD1)				Prepared & Analyzed: 04/05/12						
Benzene	94.3	1.0	µg/L	100		94.3	70-130	2.81	25	
Butylcyclohexane	88.7	1.0	µg/L	100		88.7	70-130	2.19	25	
Decane	102	1.0	µg/L	100		102	70-130	3.27	25	
Ethylbenzene	95.6	1.0	µg/L	100		95.6	70-130	1.41	25	
Methyl tert-Butyl Ether (MTBE)	91.5	1.0	µg/L	100		91.5	70-130	2.40	25	
2-Methylpentane	108	1.0	µg/L	100		108	70-130	4.38	25	
Naphthalene	85.7	5.0	µg/L	100		85.7	70-130	0.948	25	
Nonane	88.3	1.0	µg/L	100		88.3	30-130	1.43	25	
Pentane	105	1.0	µg/L	100		105	70-130	3.84	25	
Toluene	94.8	1.0	µg/L	100		94.8	70-130	1.84	25	
1,2,4-Trimethylbenzene	92.1	1.0	µg/L	100		92.1	70-130	1.85	25	
2,2,4-Trimethylpentane	97.1	1.0	µg/L	100		97.1	70-130	6.73	25	
m+p Xylene	192	2.0	µg/L	200		96.2	70-130	1.44	25	
o-Xylene	94.5	1.0	µg/L	100		94.5	70-130	1.03	25	
Surrogate: 2,5-Dibromotoluene (FID)	*34.3*		µg/L	40.0		85.7	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*31.7*		µg/L	40.0		79.3	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
Q-01	Potential false positive result due to a non-petroleum hydrocarbon peak or peaks within the aliphatic/aromatic range.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-05	Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.
RL-07	Elevated reporting limit based on lowest point in calibration. MA CAM reporting limit not met.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-EPH-04-1.1 in Water	
C9-C18 Aliphatics	CT,NC,WA,ME
C19-C36 Aliphatics	CT,NC,WA,ME
Unadjusted C11-C22 Aromatics	CT,NC,WA,ME
C11-C22 Aromatics	CT,NC,WA,ME
Acenaphthene	CT,NC,WA,ME
Acenaphthylene	CT,NC,WA,ME
Anthracene	CT,NC,WA,ME
Benzo(a)anthracene	CT,NC,WA,ME
Benzo(a)pyrene	CT,NC,WA,ME
Benzo(b)fluoranthene	CT,NC,WA,ME
Benzo(g,h,i)perylene	CT,NC,WA,ME
Benzo(k)fluoranthene	CT,NC,WA,ME
Chrysene	CT,NC,WA,ME
Dibenz(a,h)anthracene	CT,NC,WA,ME
Fluoranthene	CT,NC,WA,ME
Fluorene	CT,NC,WA,ME
Indeno(1,2,3-cd)pyrene	CT,NC,WA,ME
2-Methylnaphthalene	CT,NC,WA,ME
Naphthalene	CT,NC,WA,ME
Phenanthrene	CT,NC,WA,ME
Pyrene	CT,NC,WA,ME
MADEP-VPH-04-1.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,WA,ME
C5-C8 Aliphatics	CT,NC,WA,ME
Unadjusted C9-C12 Aliphatics	CT,NC,WA,ME
C9-C12 Aliphatics	CT,NC,WA,ME
C9-C10 Aromatics	CT,NC,WA,ME
Benzene	CT,NC,WA,ME
Ethylbenzene	CT,NC,WA,ME
Methyl tert-Butyl Ether (MTBE)	CT,NC,WA,ME
Naphthalene	CT,NC,WA,ME
Toluene	CT,NC,WA,ME
m+p Xylene	CT,NC,WA,ME
o-Xylene	CT,NC,WA,ME
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
tert-Amyl Methyl Ether (TAME)	NH,NY,ME
Benzene	CT,NH,NY,ME,RI
Bromobenzene	ME
Bromochloromethane	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME,RI
Bromoform	CT,NH,NY,ME,RI
Bromomethane	CT,NH,NY,ME,RI
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
tert-Butylbenzene	NY,ME
tert-Butyl Ethyl Ether (TBEE)	NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME,RI
Chlorobenzene	CT,NH,NY,ME,RI
Chlorodibromomethane	CT,NH,NY,ME,RI
Chloroethane	CT,NH,NY,ME,RI
Chloroform	CT,NH,NY,ME,RI
Chloromethane	CT,NH,NY,ME,RI
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME,RI
1,3-Dichlorobenzene	CT,NH,NY,ME,RI
1,4-Dichlorobenzene	CT,NH,NY,ME,RI
Dichlorodifluoromethane (Freon 12)	NH,NY,ME,RI
1,1-Dichloroethane	CT,NH,NY,ME,RI
1,2-Dichloroethane	CT,NH,NY,ME,RI
1,1-Dichloroethylene	CT,NH,NY,ME,RI
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME,RI
1,2-Dichloropropane	CT,NH,NY,ME,RI
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME,RI
trans-1,3-Dichloropropene	CT,NH,NY,ME,RI
Diisopropyl Ether (DIPE)	NH,NY,ME
Ethylbenzene	CT,NH,NY,ME,RI
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME,RI
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,RI
Tetrachloroethylene	CT,NH,NY,ME,RI
Toluene	CT,NH,NY,ME,RI
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME,RI
1,1,2-Trichloroethane	CT,NH,NY,ME,RI

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Trichloroethylene	CT,NH,NY,ME,RI
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME,RI
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME,RI
m+p Xylene	CT,NH,NY,ME,RI
o-Xylene	CT,NH,NY,ME,RI

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

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

CHAIN OF CUSTODY RECORD

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East longmeadow, MA 01028

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12D0117

Company Name: TRC Environmental
Address: 650 Suffolk Street
Lowell MA 01854
Attention: Alfred Leonard
Project Location: Payne Cutlery
Sampled By: E. Wachtel / J. Robinson

Telephone: 978-970-5600
Project #
Client PO# 43538

DATA DELIVERY (check all that apply)
O FAX ☒ EMAIL O WEBSITE
Fax # 978-453-1995
Email: aleonard@trcsolutions.com
Format: O PDF O EXCEL O GIS
O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	VOCs	EPH	VPH										# of Containers
								H	H	H										** Preservation
								V	A	V										***Container Code
01	TRC-1	4/4/12	1245		X	GW		X	X	X										
02	TRC-4	4/4/12	1250		X	GW		X	X	X										
03	TRC-3	4/4/12	1500		X	GW		X												
04	TRC-2	4/4/12	1440		X	GW		X	X	X										
05	Trip Blanks							X		X										

Dissolved Metals
O Field Filtered
O Lab to Filter

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

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

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

Comments: Please See EPA-approved QAPP for details

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:
Emily L Wachtel	4/4/12 1620
Received by: (signature) Steph Malfa	Date/Time: 4.4.12 1620
Relinquished by: (signature) Steph Malfa	Date/Time: 4.4.12 1855
Received by: (signature) C. Clough-Sewell	Date/Time: 4/4/12 18:55

Turnaround ††
O 7-Day
O 10-Day
☒ Other 5day THT
RUSH † Standard
O †24-Hr O †48-Hr
O †72-Hr O †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: MCP GW-2/GW-3
Connecticut:
Other:

Is your project MCP or RCP ?
☒ MCP Analytical Certification Form Required
O RCP Analysis Certification Form Required
O MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA Environmental Lead & Industrial Hygiene

NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) 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.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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

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Sample Receipt Checklist

CLIENT NAME: TRC **RECEIVED BY:** C.C.S. **DATE:** 4/4/12

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 3.8°C

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

Who was notified _____ Date _____ Time _____

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

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

Permission to subcontract samples? Yes No

(Walk-in clients only) if not already approved

Client Signature: _____

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

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

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber	6	8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below	27	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl 27 # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 12D0117
Project Location: Payne Cutlery	RTN:

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

12D0117-01 thru 12D0117-05

Matrices: Water

CAM Protocol (check all that below)

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

Affirmative response to Questions A throughF is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No[1]
B	Were the analytical method(s) and all associated QC requirements specificed in the selected CAM protocol(s) followed?	☑ Yes	☐ No[1]
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No[1]
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidlines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☑ Yes	☐ No[1]
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes	☐ No[1]
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Qestions A through E)?	☑ Yes	☐ No[1]

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

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

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

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

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

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

Signature: _____ Position: Laboratory Manager

Printed Name: Daren J. Damboragian Date: 04/11/12

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

April 12, 2012

Alfred Leonard
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: Payne Cutlery
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 12D0167

Enclosed are results of analyses for samples received by the laboratory on April 5, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Alfred Leonard

REPORT DATE: 4/12/2012

PURCHASE ORDER NUMBER: 43538

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12D0167

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

PROJECT LOCATION: Payne Cutlery

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
CGW-8	12D0167-01	Ground Water		MADEP-EPH-04-1.1	
				MADEP-VPH-04-1.1	
				SW-846 8260C	
DUP-1	12D0167-02	Ground Water		MADEP-EPH-04-1.1	
				MADEP-VPH-04-1.1	
				SW-846 8260C	
CGW-15	12D0167-03	Ground Water		SW-846 8260C	
CGW-16	12D0167-04	Ground Water		SW-846 8260C	
CGW-17	12D0167-05	Ground Water		MADEP-VPH-04-1.1	
				SW-846 8260C	
Trip Blank	12D0167-06	Trip Blank Water		MADEP-VPH-04-1.1	
				SW-846 8260C	
CGW-10	12D0167-07	Ground Water		MADEP-VPH-04-1.1	
				SW-846 8260C	
CGW-14	12D0167-08	Ground Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

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

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MADEP-VPH-04-1.1

Qualifications:

Potential false positive result due to a non-petroleum hydrocarbon peak or peaks within the aliphatic/aromatic range.

Analyte & Samples(s) Qualified:

C5-C8 Aliphatics, Unadjusted C5-C8 Aliphatics

12D0167-01[CGW-8], 12D0167-02[DUP-1]

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

Analyte & Samples(s) Qualified:

Benzene, C9-C10 Aromatics, C9-C12 Aliphatics, Ethylbenzene, m+p Xylene, Methyl tert-Butyl Ether (MTBE), Naphthalene, o-Xylene, Toluene, Unadjusted C9-C12 Aliphatics

12D0167-01[CGW-8], 12D0167-02[DUP-1]

SW-846 8260C

Qualifications:

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

1,2-Dichloroethane

B049272-BS1, B049272-BSD1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

1,1-Dichloroethylene, Trichlorofluoromethane (Freon 11), Vinyl Chloride

B049272-BSD1, B049327-BSD1

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

Analyte & Samples(s) Qualified:

Acetone, Bromomethane, Chloromethane, Dichlorodifluoromethane (Freon 12)

B049272-BS1, B049272-BSD1, B049327-BS1, B049327-BSD1

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

Analyte & Samples(s) Qualified:

Bromomethane, Chloroethane, Chloromethane, Dichlorodifluoromethane (Freon 12), Methylene Chloride, Vinyl Chloride

12D0167-02[DUP-1], 12D0167-05[CGW-17], 12D0167-06[Trip Blank], 12D0167-07[CGW-10], B049272-BLK1, B049272-BS1, B049272-BSD1

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

Analyte & Samples(s) Qualified:

12D0167-01[CGW-8], 12D0167-02[DUP-1]

Elevated reporting limit based on lowest point in calibration.
MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

Bromomethane, Carbon Disulfide, Methylene Chloride, Naphthalene

12D0167-03[CGW-15], 12D0167-04[CGW-16], 12D0167-05[CGW-17], 12D0167-06[Trip Blank], 12D0167-07[CGW-10], 12D0167-08[CGW-14]

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

Analyte & Samples(s) Qualified:

1,1-Dichloroethane, Dichlorodifluoromethane (Freon 12), Naphthalene

12D0167-02[DUP-1], 12D0167-05[CGW-17], 12D0167-06[Trip Blank], 12D0167-07[CGW-10], B049272-BLK1, B049272-BS1, B049272-BSD1, 12D0167-01[CGW-8], 12D0167-03[CGW-15], 12D0167-04[CGW-16], 12D0167-08[CGW-14], B049327-BLK1, B049327-BS1, B049327-BSD1

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

Analyte & Samples(s) Qualified:

1,2-Dibromo-3-chloropropane (DBCP), 1,4-Dioxane, Acetone, Tetrahydrofuran

12D0167-01[CGW-8], 12D0167-02[DUP-1], 12D0167-03[CGW-15], 12D0167-04[CGW-16], 12D0167-05[CGW-17], 12D0167-06[Trip Blank], 12D0167-07[CGW-10], 12D0167-08[CGW-14], B049272-BLK1, B049272-BS1, B049272-BSD1, B049327-BLK1, B049327-BS1, B049327-BSD1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,1-Dichloroethylene, 1,2-Dichloroethane, 2-Hexanone (MBK), Acetone, Bromomethane, Trichlorofluoromethane (Freon 11)

B049272-BS1, B049272-BSD1, B049327-BS1, B049327-BSD1

MADEP-EPH-04-1.1

SPE cartridge contamination with non-petroleum compounds, if present, is verified by GC/MS in each method blank per extraction batch and excluded from C11-C22 aromatic range fraction in all samples in the batch. No significant modifications were made to the method.

MADEP-VPH-04-1.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

SW-846 8260C

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

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

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-8 | Sampled: 4/5/2012 10:55

Sample ID: 12D0167-01

Sample Matrix: Ground Water

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5000	µg/L	500	V-16	SW-846 8260C	4/6/12	4/9/12 12:25	MFF
tert-Amyl Methyl Ether (TAME)	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Benzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Bromobenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Bromochloromethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Bromodichloromethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Bromoform	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Bromomethane	ND	2500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
2-Butanone (MEK)	ND	5000	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
n-Butylbenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
sec-Butylbenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
tert-Butylbenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Carbon Disulfide	ND	2500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Carbon Tetrachloride	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Chlorobenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Chlorodibromomethane	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Chloroethane	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Chloroform	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Chloromethane	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
2-Chlorotoluene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
4-Chlorotoluene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	µg/L	500	V-16	SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,2-Dibromoethane (EDB)	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Dibromomethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,2-Dichlorobenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,3-Dichlorobenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,4-Dichlorobenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Dichlorodifluoromethane (Freon 12)	ND	1000	µg/L	500	V-05	SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,1-Dichloroethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,2-Dichloroethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,1-Dichloroethylene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
cis-1,2-Dichloroethylene	8200	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
trans-1,2-Dichloroethylene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,2-Dichloropropane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,3-Dichloropropane	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
2,2-Dichloropropane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,1-Dichloropropene	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
cis-1,3-Dichloropropene	ND	200	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
trans-1,3-Dichloropropene	ND	200	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Diethyl Ether	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Diisopropyl Ether (DIPE)	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,4-Dioxane	ND	50000	µg/L	500	V-16	SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Ethylbenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF

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Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-8 | Sampled: 4/5/2012 10:55

Sample ID: 12D0167-01

Sample Matrix: Ground Water

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
2-Hexanone (MBK)	ND	5000	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Isopropylbenzene (Cumene)	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
p-Isopropyltoluene (p-Cymene)	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Methyl tert-Butyl Ether (MTBE)	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Methylene Chloride	ND	2500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
4-Methyl-2-pentanone (MIBK)	ND	5000	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Naphthalene	ND	2500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
n-Propylbenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Styrene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,1,1,2-Tetrachloroethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,1,2,2-Tetrachloroethane	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Tetrachloroethylene	740	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Tetrahydrofuran	ND	1000	µg/L	500	V-16	SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Toluene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,2,3-Trichlorobenzene	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,2,4-Trichlorobenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,1,1-Trichloroethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,1,2-Trichloroethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Trichloroethylene	42000	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Trichlorofluoromethane (Freon 11)	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,2,3-Trichloropropane	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,2,4-Trimethylbenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
1,3,5-Trimethylbenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
Vinyl Chloride	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
m+p Xylene	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF
o-Xylene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/9/12 12:25	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	109	70-130		4/9/12 12:25
Toluene-d8	99.9	70-130		4/9/12 12:25
4-Bromofluorobenzene	96.6	70-130		4/9/12 12:25

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-8 | Sampled: 4/5/2012 10:55

Sample ID: 12D0167-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Acenaphthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Acenaphthylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Benzo(a)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Benzo(a)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Benzo(b)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Benzo(g,h,i)perylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Benzo(k)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Chrysene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Dibenz(a,h)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Fluorene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Naphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Phenanthrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS
Pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:04	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	63.1	40-140		4/11/12 0:04
o-Terphenyl (OTP)	68.9	40-140		4/11/12 0:04
2-Bromonaphthalene	103	40-140		4/11/12 0:04
2-Fluorobiphenyl	107	40-140		4/11/12 0:04

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-8 | Sampled: 4/5/2012 10:55

Sample ID: 12D0167-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	15000	1000	µg/L	10	Q-01	MADEP-VPH-04-1.1	4/6/12	4/6/12 12:44	EEH
C5-C8 Aliphatics	15000	1000	µg/L	10	Q-01	MADEP-VPH-04-1.1	4/6/12	4/6/12 12:44	EEH
Unadjusted C9-C12 Aliphatics	ND	1000	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 12:44	EEH
C9-C12 Aliphatics	ND	1000	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 12:44	EEH
C9-C10 Aromatics	ND	1000	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 12:44	EEH
Benzene	ND	10	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 12:44	EEH
Ethylbenzene	ND	10	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 12:44	EEH
Methyl tert-Butyl Ether (MTBE)	ND	10	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 12:44	EEH
Naphthalene	ND	50	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 12:44	EEH
Toluene	ND	10	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 12:44	EEH
m+p Xylene	ND	20	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 12:44	EEH
o-Xylene	ND	10	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 12:44	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	106	70-130		4/6/12 12:44
2,5-Dibromotoluene (PID)	100	70-130		4/6/12 12:44

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: DUP-1 | Sampled: 4/5/2012 00:00

Sample ID: 12D0167-02

Sample Matrix: Ground Water

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5000	µg/L	500	V-16	SW-846 8260C	4/6/12	4/7/12 2:51	MFF
tert-Amyl Methyl Ether (TAME)	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Benzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Bromobenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Bromochloromethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Bromodichloromethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Bromoform	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Bromomethane	ND	2500	µg/L	500	R-05	SW-846 8260C	4/6/12	4/7/12 2:51	MFF
2-Butanone (MEK)	ND	5000	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
n-Butylbenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
sec-Butylbenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
tert-Butylbenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Carbon Disulfide	ND	2500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Carbon Tetrachloride	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Chlorobenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Chlorodibromomethane	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Chloroethane	ND	1000	µg/L	500	R-05	SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Chloroform	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Chloromethane	ND	1000	µg/L	500	R-05	SW-846 8260C	4/6/12	4/7/12 2:51	MFF
2-Chlorotoluene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
4-Chlorotoluene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	1000	µg/L	500	V-16	SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,2-Dibromoethane (EDB)	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Dibromomethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,2-Dichlorobenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,3-Dichlorobenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,4-Dichlorobenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Dichlorodifluoromethane (Freon 12)	ND	1000	µg/L	500	R-05	SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,1-Dichloroethane	ND	500	µg/L	500	V-05	SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,2-Dichloroethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,1-Dichloroethylene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
cis-1,2-Dichloroethylene	6500	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
trans-1,2-Dichloroethylene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,2-Dichloropropane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,3-Dichloropropane	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
2,2-Dichloropropane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,1-Dichloropropene	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
cis-1,3-Dichloropropene	ND	200	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
trans-1,3-Dichloropropene	ND	200	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Diethyl Ether	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Diisopropyl Ether (DIPE)	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,4-Dioxane	ND	50000	µg/L	500	V-16	SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Ethylbenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: DUP-1 | Sampled: 4/5/2012 00:00

Sample ID: 12D0167-02

Sample Matrix: Ground Water

Sample Flags: RL-05

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
2-Hexanone (MBK)	ND	5000	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Isopropylbenzene (Cumene)	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
p-Isopropyltoluene (p-Cymene)	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Methyl tert-Butyl Ether (MTBE)	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Methylene Chloride	ND	2500	µg/L	500	R-05	SW-846 8260C	4/6/12	4/7/12 2:51	MFF
4-Methyl-2-pentanone (MIBK)	ND	5000	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Naphthalene	ND	2500	µg/L	500	V-05	SW-846 8260C	4/6/12	4/7/12 2:51	MFF
n-Propylbenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Styrene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,1,1,2-Tetrachloroethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,1,2,2-Tetrachloroethane	ND	250	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Tetrachloroethylene	750	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Tetrahydrofuran	ND	1000	µg/L	500	V-16	SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Toluene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,2,3-Trichlorobenzene	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,2,4-Trichlorobenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,1,1-Trichloroethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,1,2-Trichloroethane	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Trichloroethylene	44000	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Trichlorofluoromethane (Freon 11)	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,2,3-Trichloropropane	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,2,4-Trimethylbenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
1,3,5-Trimethylbenzene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
Vinyl Chloride	ND	1000	µg/L	500	R-05	SW-846 8260C	4/6/12	4/7/12 2:51	MFF
m+p Xylene	ND	1000	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF
o-Xylene	ND	500	µg/L	500		SW-846 8260C	4/6/12	4/7/12 2:51	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	114	70-130		4/7/12 2:51
Toluene-d8	101	70-130		4/7/12 2:51
4-Bromofluorobenzene	98.9	70-130		4/7/12 2:51

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: DUP-1 | Sampled: 4/5/2012 00:00

Sample ID: 12D0167-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Acenaphthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Acenaphthylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Benzo(a)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Benzo(a)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Benzo(b)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Benzo(g,h,i)perylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Benzo(k)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Chrysene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Dibenz(a,h)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Fluorene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Naphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Phenanthrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS
Pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/9/12	4/11/12 0:25	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	58.9	40-140		4/11/12 0:25
o-Terphenyl (OTP)	74.8	40-140		4/11/12 0:25
2-Bromonaphthalene	105	40-140		4/11/12 0:25
2-Fluorobiphenyl	110	40-140		4/11/12 0:25

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

Project Location: Payne Cutlery
Sample Description:
Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: DUP-1
Sampled: 4/5/2012 00:00

Sample ID: 12D0167-02

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	14000	1000	µg/L	10	Q-01	MADEP-VPH-04-1.1	4/6/12	4/6/12 13:43	EEH
C5-C8 Aliphatics	14000	1000	µg/L	10	Q-01	MADEP-VPH-04-1.1	4/6/12	4/6/12 13:43	EEH
Unadjusted C9-C12 Aliphatics	ND	1000	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 13:43	EEH
C9-C12 Aliphatics	ND	1000	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 13:43	EEH
C9-C10 Aromatics	ND	1000	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 13:43	EEH
Benzene	ND	10	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 13:43	EEH
Ethylbenzene	ND	10	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 13:43	EEH
Methyl tert-Butyl Ether (MTBE)	ND	10	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 13:43	EEH
Naphthalene	ND	50	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 13:43	EEH
Toluene	ND	10	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 13:43	EEH
m+p Xylene	ND	20	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 13:43	EEH
o-Xylene	ND	10	µg/L	10	RL-06	MADEP-VPH-04-1.1	4/6/12	4/6/12 13:43	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	87.6	70-130		4/6/12 13:43
2,5-Dibromotoluene (PID)	82.2	70-130		4/6/12 13:43

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-15 | Sampled: 4/5/2012 13:35

Sample ID: 12D0167-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1	V-16	SW-846 8260C	4/6/12	4/9/12 11:36	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Bromomethane	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/9/12 11:36	MFF
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Carbon Disulfide	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-16	SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
cis-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
trans-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,4-Dioxane	ND	100	µg/L	1	V-16	SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-15 | Sampled: 4/5/2012 13:35

Sample ID: 12D0167-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Methylene Chloride	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/9/12 11:36	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Naphthalene	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/9/12 11:36	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Tetrahydrofuran	ND	2.0	µg/L	1	V-16	SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Trichloroethylene	3.5	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 11:36	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	110	70-130		4/9/12 11:36
Toluene-d8	93.9	70-130		4/9/12 11:36
4-Bromofluorobenzene	97.9	70-130		4/9/12 11:36

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-16 | Sampled: 4/5/2012 14:40

Sample ID: 12D0167-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1	V-16	SW-846 8260C	4/6/12	4/9/12 12:02	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Bromomethane	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/9/12 12:02	MFF
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Carbon Disulfide	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-16	SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
cis-1,2-Dichloroethylene	6.3	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
cis-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
trans-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,4-Dioxane	ND	100	µg/L	1	V-16	SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-16 | Sampled: 4/5/2012 14:40

Sample ID: 12D0167-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Methylene Chloride	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/9/12 12:02	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Naphthalene	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/9/12 12:02	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Tetrachloroethylene	1.9	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Tetrahydrofuran	ND	2.0	µg/L	1	V-16	SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Trichloroethylene	20	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:02	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	113	70-130		4/9/12 12:02
Toluene-d8	99.6	70-130		4/9/12 12:02
4-Bromofluorobenzene	96.6	70-130		4/9/12 12:02

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-17 | Sampled: 4/5/2012 16:45

Sample ID: 12D0167-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1	V-16	SW-846 8260C	4/6/12	4/7/12 2:02	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Bromomethane	ND	5.0	µg/L	1	R-05, RL-07	SW-846 8260C	4/6/12	4/7/12 2:02	MFF
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Carbon Disulfide	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Chloroethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Chloromethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/6/12	4/7/12 2:02	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-16	SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
cis-1,2-Dichloroethylene	1.1	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
cis-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
trans-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,4-Dioxane	ND	100	µg/L	1	V-16	SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-17 | Sampled: 4/5/2012 16:45

Sample ID: 12D0167-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Methylene Chloride	ND	5.0	µg/L	1	R-05, RL-07	SW-846 8260C	4/6/12	4/7/12 2:02	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Naphthalene	ND	5.0	µg/L	1	RL-07, V-05	SW-846 8260C	4/6/12	4/7/12 2:02	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Tetrahydrofuran	ND	2.0	µg/L	1	V-16	SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Trichloroethylene	11	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
Vinyl Chloride	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/6/12	4/7/12 2:02	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 2:02	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	113	70-130		4/7/12 2:02
Toluene-d8	103	70-130		4/7/12 2:02
4-Bromofluorobenzene	97.8	70-130		4/7/12 2:02

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-17 | Sampled: 4/5/2012 16:45

Sample ID: 12D0167-05

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:19	EEH
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:19	EEH
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:19	EEH
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:19	EEH
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:19	EEH
Benzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:19	EEH
Ethylbenzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:19	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:19	EEH
Naphthalene	ND	5.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:19	EEH
Toluene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:19	EEH
m+p Xylene	ND	2.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:19	EEH
o-Xylene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:19	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	108	70-130		4/6/12 14:19
2,5-Dibromotoluene (PID)	104	70-130		4/6/12 14:19

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: Trip Blank | Sampled: 4/5/2012 00:00

Sample ID: 12D0167-06

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1	V-16	SW-846 8260C	4/6/12	4/6/12 20:46	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Bromomethane	ND	5.0	µg/L	1	R-05, RL-07	SW-846 8260C	4/6/12	4/6/12 20:46	MFF
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Carbon Disulfide	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Chloroethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Chloromethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/6/12	4/6/12 20:46	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-16	SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
cis-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
trans-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,4-Dioxane	ND	100	µg/L	1	V-16	SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: Trip Blank | Sampled: 4/5/2012 00:00

Sample ID: 12D0167-06

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Methylene Chloride	ND	5.0	µg/L	1	R-05, RL-07	SW-846 8260C	4/6/12	4/6/12 20:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Naphthalene	ND	5.0	µg/L	1	V-05, RL-07	SW-846 8260C	4/6/12	4/6/12 20:46	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Tetrahydrofuran	ND	2.0	µg/L	1	V-16	SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
Vinyl Chloride	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/6/12	4/6/12 20:46	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/6/12 20:46	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	125	70-130		4/6/12 20:46
Toluene-d8	98.7	70-130		4/6/12 20:46
4-Bromofluorobenzene	95.9	70-130		4/6/12 20:46

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: Trip Blank | Sampled: 4/5/2012 00:00

Sample ID: 12D0167-06

Sample Matrix: Trip Blank Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 12:09	EEH
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 12:09	EEH
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 12:09	EEH
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 12:09	EEH
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 12:09	EEH
Benzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 12:09	EEH
Ethylbenzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 12:09	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 12:09	EEH
Naphthalene	ND	5.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 12:09	EEH
Toluene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 12:09	EEH
m+p Xylene	ND	2.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 12:09	EEH
o-Xylene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 12:09	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	80.7	70-130		4/6/12 12:09
2,5-Dibromotoluene (PID)	76.0	70-130		4/6/12 12:09

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-10 | Sampled: 4/5/2012 16:35

Sample ID: 12D0167-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	10	µg/L	1	V-16	SW-846 8260C	4/6/12	4/7/12 3:16	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Bromomethane	ND	5.0	µg/L	1	R-05, RL-07	SW-846 8260C	4/6/12	4/7/12 3:16	MFF
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Carbon Disulfide	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Chloroethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Chloromethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/6/12	4/7/12 3:16	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-16	SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1	V-05	SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
cis-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
trans-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,4-Dioxane	ND	100	µg/L	1	V-16	SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-10 | Sampled: 4/5/2012 16:35

Sample ID: 12D0167-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Methylene Chloride	ND	5.0	µg/L	1	R-05, RL-07	SW-846 8260C	4/6/12	4/7/12 3:16	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Naphthalene	ND	5.0	µg/L	1	RL-07, V-05	SW-846 8260C	4/6/12	4/7/12 3:16	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Tetrahydrofuran	ND	2.0	µg/L	1	V-16	SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
Vinyl Chloride	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/6/12	4/7/12 3:16	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/7/12 3:16	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	118	70-130		4/7/12 3:16
Toluene-d8	100	70-130		4/7/12 3:16
4-Bromofluorobenzene	97.1	70-130		4/7/12 3:16

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

Project Location: Payne Cutlery
Sample Description:
Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-10
Sampled: 4/5/2012 16:35

Sample ID: 12D0167-07

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:55	EEH
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:55	EEH
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:55	EEH
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:55	EEH
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:55	EEH
Benzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:55	EEH
Ethylbenzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:55	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:55	EEH
Naphthalene	ND	5.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:55	EEH
Toluene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:55	EEH
m+p Xylene	ND	2.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:55	EEH
o-Xylene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/6/12	4/6/12 14:55	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	104	70-130		4/6/12 14:55
2,5-Dibromotoluene (PID)	95.4	70-130		4/6/12 14:55

con-test® ANALYTICAL LABORATORY

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-14 | Sampled: 4/5/2012 11:45

Sample ID: 12D0167-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	10	10	µg/L	1	V-16	SW-846 8260C	4/6/12	4/9/12 12:49	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Bromomethane	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/9/12 12:49	MFF
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Carbon Disulfide	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Carbon Tetrachloride	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L	1	V-16	SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
cis-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
trans-1,3-Dichloropropene	ND	0.40	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,4-Dioxane	ND	100	µg/L	1	V-16	SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF

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

Project Location: Payne Cutlery | Sample Description: | Work Order: 12D0167

Date Received: 4/5/2012

Field Sample #: CGW-14 | Sampled: 4/5/2012 11:45

Sample ID: 12D0167-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Methylene Chloride	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/9/12 12:49	MFF
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Naphthalene	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/6/12	4/9/12 12:49	MFF
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Tetrahydrofuran	ND	2.0	µg/L	1	V-16	SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Trichloroethylene	1.3	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/6/12	4/9/12 12:49	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	115	70-130		4/9/12 12:49
Toluene-d8	99.0	70-130		4/9/12 12:49
4-Bromofluorobenzene	100	70-130		4/9/12 12:49

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

Sample Extraction Data

Prep Method: SW-846 3510C-MADEP-EPH-04-1.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12D0167-01 [CGW-8]	B049397	1000	2.00	04/09/12
12D0167-02 [DUP-1]	B049397	1000	2.00	04/09/12

Prep Method: MA VPH-MADEP-VPH-04-1.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12D0167-01 [CGW-8]	B049329	0.5	5.00	04/06/12
12D0167-02 [DUP-1]	B049329	0.5	5.00	04/06/12
12D0167-05 [CGW-17]	B049329	5	5.00	04/06/12
12D0167-06 [Trip Blank]	B049329	5	5.00	04/06/12
12D0167-07 [CGW-10]	B049329	5	5.00	04/06/12

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12D0167-02 [DUP-1]	B049272	0.01	5.00	04/06/12
12D0167-05 [CGW-17]	B049272	5	5.00	04/06/12
12D0167-06 [Trip Blank]	B049272	5	5.00	04/06/12
12D0167-07 [CGW-10]	B049272	5	5.00	04/06/12

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12D0167-01 [CGW-8]	B049327	0.01	5.00	04/06/12
12D0167-03 [CGW-15]	B049327	5	5.00	04/06/12
12D0167-04 [CGW-16]	B049327	5	5.00	04/06/12
12D0167-08 [CGW-14]	B049327	5	5.00	04/06/12

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

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B049272 - SW-846 5030B										
Blank (B049272-BLK1)				Prepared & Analyzed: 04/06/12						
Acetone	ND	10	µg/L							V-16
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	5.0	µg/L							R-05
2-Butanone (MEK)	ND	10	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	1.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							R-05
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							R-05
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L							V-16
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							R-05
1,1-Dichloroethane	ND	1.0	µg/L							V-05
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.40	µg/L							
trans-1,3-Dichloropropene	ND	0.40	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	100	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							R-05
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							V-05

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B049272 - SW-846 5030B											
Blank (B049272-BLK1)				Prepared & Analyzed: 04/06/12							
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	2.0	µg/L							V-16	
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	2.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L							R-05	
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*29.7*		µg/L	25.0		119	70-130				
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.2	70-130				
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.2	70-130				
LCS (B049272-BS1)				Prepared & Analyzed: 04/06/12							
Acetone	131	10	µg/L	100		131	40-160			L-14, V-16, V-20	†
tert-Amyl Methyl Ether (TAME)	9.54	0.50	µg/L	10.0		95.4	70-130				
Benzene	9.68	1.0	µg/L	10.0		96.8	70-130				
Bromobenzene	11.0	1.0	µg/L	10.0		110	70-130				
Bromochloromethane	8.49	1.0	µg/L	10.0		84.9	70-130				
Bromodichloromethane	12.0	1.0	µg/L	10.0		120	70-130				
Bromoform	11.8	1.0	µg/L	10.0		118	70-130				
Bromomethane	6.19	5.0	µg/L	10.0		61.9	40-160			L-14, R-05, V-20	†
2-Butanone (MEK)	89.5	10	µg/L	100		89.5	40-160				†
n-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130				
sec-Butylbenzene	10.8	1.0	µg/L	10.0		108	70-130				
tert-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130				
tert-Butyl Ethyl Ether (TBEE)	8.92	0.50	µg/L	10.0		89.2	70-130				
Carbon Disulfide	9.99	5.0	µg/L	10.0		99.9	70-130				
Carbon Tetrachloride	11.9	1.0	µg/L	10.0		119	70-130				
Chlorobenzene	11.3	1.0	µg/L	10.0		113	70-130				
Chlorodibromomethane	12.2	0.50	µg/L	10.0		122	70-130				
Chloroethane	8.95	2.0	µg/L	10.0		89.5	70-130			R-05	
Chloroform	11.5	2.0	µg/L	10.0		115	70-130				
Chloromethane	6.70	2.0	µg/L	10.0		67.0	40-160			L-14, R-05	†
2-Chlorotoluene	11.8	1.0	µg/L	10.0		118	70-130				
4-Chlorotoluene	12.2	1.0	µg/L	10.0		122	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	12.2	2.0	µg/L	10.0		122	70-130			V-16	
1,2-Dibromoethane (EDB)	12.4	0.50	µg/L	10.0		124	70-130				
Dibromomethane	12.1	1.0	µg/L	10.0		121	70-130				
1,2-Dichlorobenzene	11.1	1.0	µg/L	10.0		111	70-130				
1,3-Dichlorobenzene	11.4	1.0	µg/L	10.0		114	70-130				
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B049272 - SW-846 5030B												
LCS (B049272-BS1)				Prepared & Analyzed: 04/06/12								
Dichlorodifluoromethane (Freon 12)	5.31	2.0	µg/L	10.0		53.1		40-160			L-14, R-05	†
1,1-Dichloroethane	8.71	1.0	µg/L	10.0		87.1		70-130			V-05	
1,2-Dichloroethane	14.0	1.0	µg/L	10.0		**140**	*	70-130			L-02, V-20	
1,1-Dichloroethylene	12.4	1.0	µg/L	10.0		124		70-130			V-20	
cis-1,2-Dichloroethylene	8.54	1.0	µg/L	10.0		85.4		70-130				
trans-1,2-Dichloroethylene	8.77	1.0	µg/L	10.0		87.7		70-130				
1,2-Dichloropropane	10.9	1.0	µg/L	10.0		109		70-130				
1,3-Dichloropropane	11.6	0.50	µg/L	10.0		116		70-130				
2,2-Dichloropropane	8.13	1.0	µg/L	10.0		81.3		70-130				
1,1-Dichloropropene	10.6	0.50	µg/L	10.0		106		70-130				
cis-1,3-Dichloropropene	9.88	0.40	µg/L	10.0		98.8		70-130				
trans-1,3-Dichloropropene	11.6	0.40	µg/L	10.0		116		70-130				
Diethyl Ether	9.83	2.0	µg/L	10.0		98.3		70-130				
Diisopropyl Ether (DIPE)	9.37	0.50	µg/L	10.0		93.7		70-130				
1,4-Dioxane	93.4	100	µg/L	100		93.4		40-160			V-16	†
Ethylbenzene	10.8	1.0	µg/L	10.0		108		70-130				
Hexachlorobutadiene	11.2	0.50	µg/L	10.0		112		70-130				
2-Hexanone (MBK)	117	10	µg/L	100		117		40-160				†
Isopropylbenzene (Cumene)	11.1	1.0	µg/L	10.0		111		70-130				
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105		70-130				
Methyl tert-Butyl Ether (MTBE)	9.40	1.0	µg/L	10.0		94.0		70-130				
Methylene Chloride	7.82	5.0	µg/L	10.0		78.2		70-130			R-05	
4-Methyl-2-pentanone (MIBK)	118	10	µg/L	100		118		40-160				†
Naphthalene	8.62	5.0	µg/L	10.0		86.2		70-130			V-05	
n-Propylbenzene	11.7	1.0	µg/L	10.0		117		70-130				
Styrene	11.0	1.0	µg/L	10.0		110		70-130				
1,1,1,2-Tetrachloroethane	11.3	1.0	µg/L	10.0		113		70-130				
1,1,2,2-Tetrachloroethane	10.5	0.50	µg/L	10.0		105		70-130				
Tetrachloroethylene	12.3	1.0	µg/L	10.0		123		70-130				
Tetrahydrofuran	9.74	2.0	µg/L	10.0		97.4		70-130			V-16	
Toluene	11.0	1.0	µg/L	10.0		110		70-130				
1,2,3-Trichlorobenzene	10.9	2.0	µg/L	10.0		109		70-130				
1,2,4-Trichlorobenzene	10.1	1.0	µg/L	10.0		101		70-130				
1,1,1-Trichloroethane	12.0	1.0	µg/L	10.0		120		70-130				
1,1,2-Trichloroethane	11.2	1.0	µg/L	10.0		112		70-130				
Trichloroethylene	11.8	1.0	µg/L	10.0		118		70-130				
Trichlorofluoromethane (Freon 11)	11.6	2.0	µg/L	10.0		116		70-130			V-20	
1,2,3-Trichloropropane	11.8	2.0	µg/L	10.0		118		70-130				
1,2,4-Trimethylbenzene	10.8	1.0	µg/L	10.0		108		70-130				
1,3,5-Trimethylbenzene	11.0	1.0	µg/L	10.0		110		70-130				
Vinyl Chloride	7.68	2.0	µg/L	10.0		76.8		70-130			R-05	
m+p Xylene	23.2	2.0	µg/L	20.0		116		70-130				
o-Xylene	11.9	1.0	µg/L	10.0		119		70-130				
Surrogate: 1,2-Dichloroethane-d4	*28.7*		µg/L	25.0		115		70-130				
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102		70-130				
Surrogate: 4-Bromofluorobenzene	*26.0*		µg/L	25.0		104		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B049272 - SW-846 5030B													
LCS Dup (B049272-BSD1)				Prepared & Analyzed: 04/06/12									
Acetone	133	10	µg/L	100		133		40-160	1.24		20	L-14, V-16, V-20	†
tert-Amyl Methyl Ether (TAME)	10.5	0.50	µg/L	10.0		105		70-130	9.39		20		
Benzene	11.4	1.0	µg/L	10.0		114		70-130	15.9		20		
Bromobenzene	11.0	1.0	µg/L	10.0		110		70-130	0.0905		20		
Bromochloromethane	9.90	1.0	µg/L	10.0		99.0		70-130	15.3		20		
Bromodichloromethane	12.0	1.0	µg/L	10.0		120		70-130	0.583		20		
Bromoform	11.1	1.0	µg/L	10.0		111		70-130	6.38		20		
Bromomethane	10.0	5.0	µg/L	10.0		100		40-160	**47.1**	*	20	R-05, V-20	†
2-Butanone (MEK)	91.2	10	µg/L	100		91.2		40-160	1.89		20		†
n-Butylbenzene	10.6	1.0	µg/L	10.0		106		70-130	2.59		20		
sec-Butylbenzene	11.2	1.0	µg/L	10.0		112		70-130	3.65		20		
tert-Butylbenzene	11.4	1.0	µg/L	10.0		114		70-130	3.48		20		
tert-Butyl Ethyl Ether (TBEE)	10.1	0.50	µg/L	10.0		101		70-130	12.7		20		
Carbon Disulfide	11.1	5.0	µg/L	10.0		111		70-130	10.8		20		
Carbon Tetrachloride	13.0	1.0	µg/L	10.0		130		70-130	8.94		20		
Chlorobenzene	11.6	1.0	µg/L	10.0		116		70-130	2.97		20		
Chlorodibromomethane	11.6	0.50	µg/L	10.0		116		70-130	5.29		20		
Chloroethane	11.0	2.0	µg/L	10.0		110		70-130	**20.2**	*	20	R-05	
Chloroform	11.8	2.0	µg/L	10.0		118		70-130	3.00		20		
Chloromethane	9.27	2.0	µg/L	10.0		92.7		40-160	**32.2**	*	20	R-05	†
2-Chlorotoluene	11.7	1.0	µg/L	10.0		117		70-130	0.850		20		
4-Chlorotoluene	12.2	1.0	µg/L	10.0		122		70-130	0.574		20		
1,2-Dibromo-3-chloropropane (DBCP)	10.9	2.0	µg/L	10.0		109		70-130	11.0		20	V-16	
1,2-Dibromoethane (EDB)	11.8	0.50	µg/L	10.0		118		70-130	5.28		20		
Dibromomethane	12.5	1.0	µg/L	10.0		125		70-130	3.24		20		
1,2-Dichlorobenzene	11.7	1.0	µg/L	10.0		117		70-130	5.24		20		
1,3-Dichlorobenzene	11.9	1.0	µg/L	10.0		119		70-130	3.96		20		
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105		70-130	0.285		20		
Dichlorodifluoromethane (Freon 12)	6.59	2.0	µg/L	10.0		65.9		40-160	**21.5**	*	20	L-14, R-05	†
1,1-Dichloroethane	10.6	1.0	µg/L	10.0		106		70-130	19.5		20	V-05	
1,2-Dichloroethane	13.7	1.0	µg/L	10.0		**137**	*	70-130	2.03		20	L-02, V-20	
1,1-Dichloroethylene	13.6	1.0	µg/L	10.0		**136**	*	70-130	9.23		20	L-07, V-20	
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0		100		70-130	15.7		20		
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105		70-130	18.2		20		
1,2-Dichloropropane	11.3	1.0	µg/L	10.0		113		70-130	3.61		20		
1,3-Dichloropropane	11.0	0.50	µg/L	10.0		110		70-130	5.23		20		
2,2-Dichloropropane	9.70	1.0	µg/L	10.0		97.0		70-130	17.6		20		
1,1-Dichloropropene	10.2	0.50	µg/L	10.0		102		70-130	3.28		20		
cis-1,3-Dichloropropene	10.0	0.40	µg/L	10.0		100		70-130	1.61		20		
trans-1,3-Dichloropropene	11.5	0.40	µg/L	10.0		115		70-130	0.346		20		
Diethyl Ether	11.8	2.0	µg/L	10.0		118		70-130	18.5		20		
Diisopropyl Ether (DIPE)	11.0	0.50	µg/L	10.0		110		70-130	15.7		20		
1,4-Dioxane	86.4	100	µg/L	100		86.4		40-160	7.81		20	V-16	†
Ethylbenzene	10.8	1.0	µg/L	10.0		108		70-130	0.649		20		
Hexachlorobutadiene	10.8	0.50	µg/L	10.0		108		70-130	4.10		20		
2-Hexanone (MBK)	107	10	µg/L	100		107		40-160	8.59		20		†
Isopropylbenzene (Cumene)	10.9	1.0	µg/L	10.0		109		70-130	1.73		20		
p-Isopropyltoluene (p-Cymene)	11.1	1.0	µg/L	10.0		111		70-130	5.47		20		
Methyl tert-Butyl Ether (MTBE)	10.8	1.0	µg/L	10.0		108		70-130	13.4		20		
Methylene Chloride	9.84	5.0	µg/L	10.0		98.4		70-130	**22.9**	*	20	R-05	
4-Methyl-2-pentanone (MIBK)	110	10	µg/L	100		110		40-160	7.24		20		†
Naphthalene	8.32	5.0	µg/L	10.0		83.2		70-130	3.54		20	V-05	

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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B049272 - SW-846 5030B												
LCS Dup (B049272-BSD1)				Prepared & Analyzed: 04/06/12								
n-Propylbenzene	11.4	1.0	µg/L	10.0		114		70-130	2.25		20	
Styrene	10.9	1.0	µg/L	10.0		109		70-130	0.912		20	
1,1,1,2-Tetrachloroethane	11.7	1.0	µg/L	10.0		117		70-130	3.57		20	
1,1,2,2-Tetrachloroethane	9.70	0.50	µg/L	10.0		97.0		70-130	7.83		20	
Tetrachloroethylene	11.9	1.0	µg/L	10.0		119		70-130	2.64		20	
Tetrahydrofuran	9.43	2.0	µg/L	10.0		94.3		70-130	3.23		20	V-16
Toluene	11.4	1.0	µg/L	10.0		114		70-130	3.39		20	
1,2,3-Trichlorobenzene	10.1	2.0	µg/L	10.0		101		70-130	7.55		20	
1,2,4-Trichlorobenzene	9.89	1.0	µg/L	10.0		98.9		70-130	2.10		20	
1,1,1-Trichloroethane	12.4	1.0	µg/L	10.0		124		70-130	3.27		20	
1,1,2-Trichloroethane	11.0	1.0	µg/L	10.0		110		70-130	1.89		20	
Trichloroethylene	12.1	1.0	µg/L	10.0		121		70-130	2.42		20	
Trichlorofluoromethane (Freon 11)	13.4	2.0	µg/L	10.0		**134**	*	70-130	14.6		20	L-07, V-20
1,2,3-Trichloropropane	11.0	2.0	µg/L	10.0		110		70-130	7.01		20	
1,2,4-Trimethylbenzene	10.8	1.0	µg/L	10.0		108		70-130	0.556		20	
1,3,5-Trimethylbenzene	11.2	1.0	µg/L	10.0		112		70-130	1.35		20	
Vinyl Chloride	9.47	2.0	µg/L	10.0		94.7		70-130	**20.9**	*	20	R-05
m+p Xylene	23.3	2.0	µg/L	20.0		117		70-130	0.430		20	
o-Xylene	12.0	1.0	µg/L	10.0		120		70-130	1.42		20	
Surrogate: 1,2-Dichloroethane-d4	*32.4*		µg/L	25.0		129		70-130				
Surrogate: Toluene-d8	*25.8*		µg/L	25.0		103		70-130				
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.9		70-130				
Batch B049327 - SW-846 5030B												
Blank (B049327-BLK1)				Prepared & Analyzed: 04/09/12								
Acetone	ND	10	µg/L									V-16
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L									
Benzene	ND	1.0	µg/L									
Bromobenzene	ND	1.0	µg/L									
Bromochloromethane	ND	1.0	µg/L									
Bromodichloromethane	ND	1.0	µg/L									
Bromoform	ND	1.0	µg/L									
Bromomethane	ND	5.0	µg/L									
2-Butanone (MEK)	ND	10	µg/L									
n-Butylbenzene	ND	1.0	µg/L									
sec-Butylbenzene	ND	1.0	µg/L									
tert-Butylbenzene	ND	1.0	µg/L									
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L									
Carbon Disulfide	ND	5.0	µg/L									
Carbon Tetrachloride	ND	1.0	µg/L									
Chlorobenzene	ND	1.0	µg/L									
Chlorodibromomethane	ND	0.50	µg/L									
Chloroethane	ND	2.0	µg/L									
Chloroform	ND	2.0	µg/L									
Chloromethane	ND	2.0	µg/L									
2-Chlorotoluene	ND	1.0	µg/L									
4-Chlorotoluene	ND	1.0	µg/L									
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	µg/L									V-16
1,2-Dibromoethane (EDB)	ND	0.50	µg/L									
Dibromomethane	ND	1.0	µg/L									
1,2-Dichlorobenzene	ND	1.0	µg/L									
1,3-Dichlorobenzene	ND	1.0	µg/L									

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B049327 - SW-846 5030B										
Blank (B049327-BLK1)				Prepared & Analyzed: 04/09/12						
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							V-05
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	0.50	µg/L							
cis-1,3-Dichloropropene	ND	0.40	µg/L							
trans-1,3-Dichloropropene	ND	0.40	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	100	µg/L							V-16
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.50	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	5.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	2.0	µg/L							V-16
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	2.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*30.0*		µg/L	25.0		120	70-130			
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		99.8	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B049327 - SW-846 5030B											
LCS (B049327-BS1)				Prepared & Analyzed: 04/09/12							
Acetone	95.9	10	µg/L	100		95.9	40-160			V-16, V-20	†
tert-Amyl Methyl Ether (TAME)	8.41	0.50	µg/L	10.0		84.1	70-130				
Benzene	8.60	1.0	µg/L	10.0		86.0	70-130				
Bromobenzene	9.81	1.0	µg/L	10.0		98.1	70-130				
Bromochloromethane	8.85	1.0	µg/L	10.0		88.5	70-130				
Bromodichloromethane	10.6	1.0	µg/L	10.0		106	70-130				
Bromoform	9.78	1.0	µg/L	10.0		97.8	70-130				
Bromomethane	6.87	5.0	µg/L	10.0		68.7	40-160			L-14	†
2-Butanone (MEK)	80.2	10	µg/L	100		80.2	40-160				†
n-Butylbenzene	9.82	1.0	µg/L	10.0		98.2	70-130				
sec-Butylbenzene	9.92	1.0	µg/L	10.0		99.2	70-130				
tert-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.05	0.50	µg/L	10.0		90.5	70-130				
Carbon Disulfide	9.07	5.0	µg/L	10.0		90.7	70-130				
Carbon Tetrachloride	11.1	1.0	µg/L	10.0		111	70-130				
Chlorobenzene	9.97	1.0	µg/L	10.0		99.7	70-130				
Chlorodibromomethane	10.3	0.50	µg/L	10.0		103	70-130				
Chloroethane	9.05	2.0	µg/L	10.0		90.5	70-130				
Chloroform	10.4	2.0	µg/L	10.0		104	70-130				
Chloromethane	6.68	2.0	µg/L	10.0		66.8	40-160			L-14	†
2-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130				
4-Chlorotoluene	11.4	1.0	µg/L	10.0		114	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	9.53	2.0	µg/L	10.0		95.3	70-130			V-16	
1,2-Dibromoethane (EDB)	9.93	0.50	µg/L	10.0		99.3	70-130				
Dibromomethane	9.60	1.0	µg/L	10.0		96.0	70-130				
1,2-Dichlorobenzene	9.89	1.0	µg/L	10.0		98.9	70-130				
1,3-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130				
1,4-Dichlorobenzene	9.22	1.0	µg/L	10.0		92.2	70-130				
Dichlorodifluoromethane (Freon 12)	4.35	2.0	µg/L	10.0		43.5	40-160			L-14, V-05	†
1,1-Dichloroethane	9.63	1.0	µg/L	10.0		96.3	70-130				
1,2-Dichloroethane	11.7	1.0	µg/L	10.0		117	70-130			V-20	
1,1-Dichloroethylene	11.1	1.0	µg/L	10.0		111	70-130				
cis-1,2-Dichloroethylene	9.12	1.0	µg/L	10.0		91.2	70-130				
trans-1,2-Dichloroethylene	9.31	1.0	µg/L	10.0		93.1	70-130				
1,2-Dichloropropane	9.77	1.0	µg/L	10.0		97.7	70-130				
1,3-Dichloropropane	9.58	0.50	µg/L	10.0		95.8	70-130				
2,2-Dichloropropane	9.84	1.0	µg/L	10.0		98.4	70-130				
1,1-Dichloropropene	9.13	0.50	µg/L	10.0		91.3	70-130				
cis-1,3-Dichloropropene	9.38	0.40	µg/L	10.0		93.8	70-130				
trans-1,3-Dichloropropene	10.2	0.40	µg/L	10.0		102	70-130				
Diethyl Ether	9.20	2.0	µg/L	10.0		92.0	70-130				
Diisopropyl Ether (DIPE)	10.2	0.50	µg/L	10.0		102	70-130				
1,4-Dioxane	94.3	100	µg/L	100		94.3	40-160			V-16	†
Ethylbenzene	9.52	1.0	µg/L	10.0		95.2	70-130				
Hexachlorobutadiene	10.5	0.50	µg/L	10.0		105	70-130				
2-Hexanone (MBK)	88.3	10	µg/L	100		88.3	40-160			V-20	†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130				
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102	70-130				
Methyl tert-Butyl Ether (MTBE)	9.13	1.0	µg/L	10.0		91.3	70-130				
Methylene Chloride	8.31	5.0	µg/L	10.0		83.1	70-130				
4-Methyl-2-pentanone (MIBK)	89.8	10	µg/L	100		89.8	40-160				†
Naphthalene	7.26	5.0	µg/L	10.0		72.6	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B049327 - SW-846 5030B											
LCS (B049327-BS1)				Prepared & Analyzed: 04/09/12							
n-Propylbenzene	10.5	1.0	µg/L	10.0		105	70-130				
Styrene	9.58	1.0	µg/L	10.0		95.8	70-130				
1,1,1,2-Tetrachloroethane	10.3	1.0	µg/L	10.0		103	70-130				
1,1,2,2-Tetrachloroethane	8.62	0.50	µg/L	10.0		86.2	70-130				
Tetrachloroethylene	11.1	1.0	µg/L	10.0		111	70-130				
Tetrahydrofuran	9.52	2.0	µg/L	10.0		95.2	70-130			V-16	
Toluene	9.91	1.0	µg/L	10.0		99.1	70-130				
1,2,3-Trichlorobenzene	8.66	2.0	µg/L	10.0		86.6	70-130				
1,2,4-Trichlorobenzene	8.77	1.0	µg/L	10.0		87.7	70-130				
1,1,1-Trichloroethane	11.2	1.0	µg/L	10.0		112	70-130				
1,1,2-Trichloroethane	8.95	1.0	µg/L	10.0		89.5	70-130				
Trichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
Trichlorofluoromethane (Freon 11)	10.9	2.0	µg/L	10.0		109	70-130				
1,2,3-Trichloropropane	9.66	2.0	µg/L	10.0		96.6	70-130				
1,2,4-Trimethylbenzene	9.88	1.0	µg/L	10.0		98.8	70-130				
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130				
Vinyl Chloride	7.46	2.0	µg/L	10.0		74.6	70-130				
m+p Xylene	20.3	2.0	µg/L	20.0		102	70-130				
o-Xylene	10.5	1.0	µg/L	10.0		105	70-130				
Surrogate: 1,2-Dichloroethane-d4	*26.6*		µg/L	25.0		106	70-130				
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*25.7*		µg/L	25.0		103	70-130				
LCS Dup (B049327-BSD1)				Prepared & Analyzed: 04/09/12							
Acetone	109	10	µg/L	100		109	40-160	13.1	20	V-16, V-20	†
tert-Amyl Methyl Ether (TAME)	8.96	0.50	µg/L	10.0		89.6	70-130	6.33	20		
Benzene	8.62	1.0	µg/L	10.0		86.2	70-130	0.232	20		
Bromobenzene	9.32	1.0	µg/L	10.0		93.2	70-130	5.12	20		
Bromochloromethane	8.97	1.0	µg/L	10.0		89.7	70-130	1.35	20		
Bromodichloromethane	10.2	1.0	µg/L	10.0		102	70-130	3.57	20		
Bromoform	10.2	1.0	µg/L	10.0		102	70-130	3.81	20		
Bromomethane	7.47	5.0	µg/L	10.0		74.7	40-160	8.37	20		†
2-Butanone (MEK)	90.4	10	µg/L	100		90.4	40-160	12.0	20		†
n-Butylbenzene	9.24	1.0	µg/L	10.0		92.4	70-130	6.09	20		
sec-Butylbenzene	9.61	1.0	µg/L	10.0		96.1	70-130	3.17	20		
tert-Butylbenzene	9.94	1.0	µg/L	10.0		99.4	70-130	2.09	20		
tert-Butyl Ethyl Ether (TBEE)	8.96	0.50	µg/L	10.0		89.6	70-130	0.999	20		
Carbon Disulfide	8.63	5.0	µg/L	10.0		86.3	70-130	4.97	20		
Carbon Tetrachloride	10.1	1.0	µg/L	10.0		101	70-130	8.86	20		
Chlorobenzene	9.70	1.0	µg/L	10.0		97.0	70-130	2.75	20		
Chlorodibromomethane	10.6	0.50	µg/L	10.0		106	70-130	2.49	20		
Chloroethane	8.24	2.0	µg/L	10.0		82.4	70-130	9.37	20		
Chloroform	10.1	2.0	µg/L	10.0		101	70-130	3.02	20		
Chloromethane	6.25	2.0	µg/L	10.0		62.5	40-160	6.65	20	L-14	†
2-Chlorotoluene	9.95	1.0	µg/L	10.0		99.5	70-130	4.13	20		
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104	70-130	9.10	20		
1,2-Dibromo-3-chloropropane (DBCP)	11.2	2.0	µg/L	10.0		112	70-130	15.7	20	V-16	
1,2-Dibromoethane (EDB)	10.8	0.50	µg/L	10.0		108	70-130	7.93	20		
Dibromomethane	9.85	1.0	µg/L	10.0		98.5	70-130	2.57	20		
1,2-Dichlorobenzene	9.92	1.0	µg/L	10.0		99.2	70-130	0.303	20		
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101	70-130	0.695	20		
1,4-Dichlorobenzene	9.26	1.0	µg/L	10.0		92.6	70-130	0.433	20		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B049327 - SW-846 5030B												
LCS Dup (B049327-BSD1)				Prepared & Analyzed: 04/09/12								
Dichlorodifluoromethane (Freon 12)	4.25	2.0	µg/L	10.0		42.5		40-160	2.33	20	V-05, L-14	†
1,1-Dichloroethane	9.02	1.0	µg/L	10.0		90.2		70-130	6.54	20		
1,2-Dichloroethane	12.0	1.0	µg/L	10.0		120		70-130	2.95	20	V-20	
1,1-Dichloroethylene	10.1	1.0	µg/L	10.0		101		70-130	9.64	20		
cis-1,2-Dichloroethylene	8.72	1.0	µg/L	10.0		87.2		70-130	4.48	20		
trans-1,2-Dichloroethylene	8.86	1.0	µg/L	10.0		88.6		70-130	4.95	20		
1,2-Dichloropropane	9.03	1.0	µg/L	10.0		90.3		70-130	7.87	20		
1,3-Dichloropropane	9.55	0.50	µg/L	10.0		95.5		70-130	0.314	20		
2,2-Dichloropropane	9.54	1.0	µg/L	10.0		95.4		70-130	3.10	20		
1,1-Dichloropropene	8.68	0.50	µg/L	10.0		86.8		70-130	5.05	20		
cis-1,3-Dichloropropene	8.94	0.40	µg/L	10.0		89.4		70-130	4.80	20		
trans-1,3-Dichloropropene	10.1	0.40	µg/L	10.0		101		70-130	0.984	20		
Diethyl Ether	10.0	2.0	µg/L	10.0		100		70-130	8.73	20		
Diisopropyl Ether (DIPE)	9.90	0.50	µg/L	10.0		99.0		70-130	2.99	20		
1,4-Dioxane	93.1	100	µg/L	100		93.1		40-160	1.32	20	V-16	†
Ethylbenzene	9.03	1.0	µg/L	10.0		90.3		70-130	5.28	20		
Hexachlorobutadiene	9.78	0.50	µg/L	10.0		97.8		70-130	7.29	20		
2-Hexanone (MBK)	102	10	µg/L	100		102		40-160	14.4	20	V-20	†
Isopropylbenzene (Cumene)	9.28	1.0	µg/L	10.0		92.8		70-130	10.2	20		
p-Isopropyltoluene (p-Cymene)	9.79	1.0	µg/L	10.0		97.9		70-130	4.20	20		
Methyl tert-Butyl Ether (MTBE)	9.97	1.0	µg/L	10.0		99.7		70-130	8.80	20		
Methylene Chloride	8.23	5.0	µg/L	10.0		82.3		70-130	0.967	20		
4-Methyl-2-pentanone (MIBK)	104	10	µg/L	100		104		40-160	14.6	20		†
Naphthalene	8.21	5.0	µg/L	10.0		82.1		70-130	12.3	20		
n-Propylbenzene	9.68	1.0	µg/L	10.0		96.8		70-130	8.22	20		
Styrene	9.09	1.0	µg/L	10.0		90.9		70-130	5.25	20		
1,1,1,2-Tetrachloroethane	9.89	1.0	µg/L	10.0		98.9		70-130	4.45	20		
1,1,2,2-Tetrachloroethane	9.26	0.50	µg/L	10.0		92.6		70-130	7.16	20		
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102		70-130	8.92	20		
Tetrahydrofuran	9.74	2.0	µg/L	10.0		97.4		70-130	2.28	20	V-16	
Toluene	9.53	1.0	µg/L	10.0		95.3		70-130	3.91	20		
1,2,3-Trichlorobenzene	9.76	2.0	µg/L	10.0		97.6		70-130	11.9	20		
1,2,4-Trichlorobenzene	9.54	1.0	µg/L	10.0		95.4		70-130	8.41	20		
1,1,1-Trichloroethane	10.2	1.0	µg/L	10.0		102		70-130	9.24	20		
1,1,2-Trichloroethane	9.36	1.0	µg/L	10.0		93.6		70-130	4.48	20		
Trichloroethylene	9.73	1.0	µg/L	10.0		97.3		70-130	5.01	20		
Trichlorofluoromethane (Freon 11)	9.91	2.0	µg/L	10.0		99.1		70-130	9.33	20		
1,2,3-Trichloropropane	9.63	2.0	µg/L	10.0		96.3		70-130	0.311	20		
1,2,4-Trimethylbenzene	9.34	1.0	µg/L	10.0		93.4		70-130	5.62	20		
1,3,5-Trimethylbenzene	9.42	1.0	µg/L	10.0		94.2		70-130	7.76	20		
Vinyl Chloride	6.63	2.0	µg/L	10.0		**66.3**	*	70-130	11.8	20	L-07	
m+p Xylene	19.7	2.0	µg/L	20.0		98.4		70-130	3.25	20		
o-Xylene	9.82	1.0	µg/L	10.0		98.2		70-130	6.60	20		
Surrogate: 1,2-Dichloroethane-d4	*28.9*		µg/L	25.0		116		70-130				
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102		70-130				
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101		70-130				

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B049397 - SW-846 3510C										
Blank (B049397-BLK1)				Prepared: 04/09/12 Analyzed: 04/10/12						
C9-C18 Aliphatics	ND	100	µg/L							
C19-C36 Aliphatics	ND	100	µg/L							
Unadjusted C11-C22 Aromatics	ND	100	µg/L							
C11-C22 Aromatics	ND	100	µg/L							
Acenaphthene	ND	2.0	µg/L							
Acenaphthylene	ND	2.0	µg/L							
Anthracene	ND	2.0	µg/L							
Benzo(a)anthracene	ND	2.0	µg/L							
Benzo(a)pyrene	ND	2.0	µg/L							
Benzo(b)fluoranthene	ND	2.0	µg/L							
Benzo(g,h,i)perylene	ND	2.0	µg/L							
Benzo(k)fluoranthene	ND	2.0	µg/L							
Chrysene	ND	2.0	µg/L							
Dibenz(a,h)anthracene	ND	2.0	µg/L							
Fluoranthene	ND	2.0	µg/L							
Fluorene	ND	2.0	µg/L							
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L							
2-Methylnaphthalene	ND	2.0	µg/L							
Naphthalene	ND	2.0	µg/L							
Phenanthrene	ND	2.0	µg/L							
Pyrene	ND	2.0	µg/L							
Surrogate: Chlorooctadecane (COD)	*66.4*		µg/L	99.8		66.5	40-140			
Surrogate: o-Terphenyl (OTP)	*63.9*		µg/L	100		63.9	40-140			
Surrogate: 2-Bromonaphthalene	*78.6*		µg/L	100		78.6	40-140			
Surrogate: 2-Fluorobiphenyl	*80.1*		µg/L	100		80.1	40-140			
LCS (B049397-BS1)				Prepared: 04/09/12 Analyzed: 04/10/12						
Acenaphthene	72.6	2.0	µg/L	100		72.6	40-140			
Acenaphthylene	66.7	2.0	µg/L	100		66.7	40-140			
Anthracene	70.8	2.0	µg/L	100		70.8	40-140			
Benzo(a)anthracene	75.9	2.0	µg/L	100		75.9	40-140			
Benzo(a)pyrene	65.3	2.0	µg/L	100		65.3	40-140			
Benzo(b)fluoranthene	69.8	2.0	µg/L	100		69.8	40-140			
Benzo(g,h,i)perylene	69.5	2.0	µg/L	100		69.5	40-140			
Benzo(k)fluoranthene	69.2	2.0	µg/L	100		69.2	40-140			
Chrysene	67.0	2.0	µg/L	100		67.0	40-140			
Dibenz(a,h)anthracene	72.8	2.0	µg/L	100		72.8	40-140			
Fluoranthene	69.7	2.0	µg/L	100		69.7	40-140			
Fluorene	71.0	2.0	µg/L	100		71.0	40-140			
Indeno(1,2,3-cd)pyrene	66.4	2.0	µg/L	100		66.4	40-140			
2-Methylnaphthalene	60.5	2.0	µg/L	100		60.5	40-140			
Naphthalene	54.2	2.0	µg/L	100		54.2	40-140			
Phenanthrene	70.0	2.0	µg/L	100		70.0	40-140			
Pyrene	70.4	2.0	µg/L	100		70.4	40-140			
n-Decane	49.6	2.0	µg/L	100		49.6	40-140			
n-Docosane	80.8	2.0	µg/L	100		80.8	40-140			
n-Dodecane	60.9	2.0	µg/L	100		60.9	40-140			
n-Eicosane	79.1	2.0	µg/L	100		79.1	40-140			
n-Hexacosane	75.4	2.0	µg/L	100		75.4	40-140			
n-Hexadecane	78.7	2.0	µg/L	100		78.7	40-140			
n-Hexatriacontane	79.0	2.0	µg/L	100		79.0	40-140			
n-Nonadecane	77.8	2.0	µg/L	100		77.8	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B049397 - SW-846 3510C										
LCS (B049397-BS1)				Prepared: 04/09/12 Analyzed: 04/10/12						
n-Nonane	38.0	2.0	µg/L	100		38.0	30-140			
n-Octacosane	73.9	2.0	µg/L	100		73.9	40-140			
n-Octadecane	81.1	2.0	µg/L	100		81.1	40-140			
n-Tetracosane	76.0	2.0	µg/L	100		76.0	40-140			
n-Tetradecane	70.2	2.0	µg/L	100		70.2	40-140			
n-Triacontane	76.2	2.0	µg/L	100		76.2	40-140			
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*59.9*		µg/L	99.8		60.0	40-140			
Surrogate: o-Terphenyl (OTP)	*73.0*		µg/L	100		73.0	40-140			
Surrogate: 2-Bromonaphthalene	*88.4*		µg/L	100		88.4	40-140			
Surrogate: 2-Fluorobiphenyl	*101*		µg/L	100		101	40-140			
LCS Dup (B049397-BSD1)				Prepared: 04/09/12 Analyzed: 04/10/12						
Acenaphthene	74.2	2.0	µg/L	100		74.2	40-140	2.19	25	
Acenaphthylene	69.5	2.0	µg/L	100		69.5	40-140	4.12	25	
Anthracene	75.0	2.0	µg/L	100		75.0	40-140	5.78	25	
Benzo(a)anthracene	81.0	2.0	µg/L	100		81.0	40-140	6.50	25	
Benzo(a)pyrene	69.4	2.0	µg/L	100		69.4	40-140	6.19	25	
Benzo(b)fluoranthene	74.3	2.0	µg/L	100		74.3	40-140	6.30	25	
Benzo(g,h,i)perylene	73.4	2.0	µg/L	100		73.4	40-140	5.44	25	
Benzo(k)fluoranthene	73.6	2.0	µg/L	100		73.6	40-140	6.10	25	
Chrysene	71.3	2.0	µg/L	100		71.3	40-140	6.15	25	
Dibenz(a,h)anthracene	76.6	2.0	µg/L	100		76.6	40-140	5.05	25	
Fluoranthene	73.9	2.0	µg/L	100		73.9	40-140	5.79	25	
Fluorene	74.7	2.0	µg/L	100		74.7	40-140	5.06	25	
Indeno(1,2,3-cd)pyrene	70.1	2.0	µg/L	100		70.1	40-140	5.51	25	
2-Methylnaphthalene	62.2	2.0	µg/L	100		62.2	40-140	2.83	25	
Naphthalene	56.5	2.0	µg/L	100		56.5	40-140	4.01	25	
Phenanthrene	74.1	2.0	µg/L	100		74.1	40-140	5.75	25	
Pyrene	74.6	2.0	µg/L	100		74.6	40-140	5.81	25	
n-Decane	53.8	2.0	µg/L	100		53.8	40-140	8.14	25	
n-Docosane	89.5	2.0	µg/L	100		89.5	40-140	10.2	25	
n-Dodecane	64.8	2.0	µg/L	100		64.8	40-140	6.14	25	
n-Eicosane	87.2	2.0	µg/L	100		87.2	40-140	9.71	25	
n-Hexacosane	84.3	2.0	µg/L	100		84.3	40-140	11.1	25	
n-Hexadecane	85.1	2.0	µg/L	100		85.1	40-140	7.83	25	
n-Hexatriacontane	88.3	2.0	µg/L	100		88.3	40-140	11.2	25	
n-Nonadecane	85.1	2.0	µg/L	100		85.1	40-140	8.94	25	
n-Nonane	41.2	2.0	µg/L	100		41.2	30-140	8.19	25	
n-Octacosane	83.4	2.0	µg/L	100		83.4	40-140	12.1	25	
n-Octadecane	88.9	2.0	µg/L	100		88.9	40-140	9.20	25	
n-Tetracosane	84.6	2.0	µg/L	100		84.6	40-140	10.7	25	
n-Tetradecane	75.2	2.0	µg/L	100		75.2	40-140	6.87	25	
n-Triacontane	85.6	2.0	µg/L	100		85.6	40-140	11.7	25	
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100			0-5			
Surrogate: Chlorooctadecane (COD)	*65.6*		µg/L	99.8		65.7	40-140			
Surrogate: o-Terphenyl (OTP)	*75.8*		µg/L	100		75.8	40-140			
Surrogate: 2-Bromonaphthalene	*88.5*		µg/L	100		88.5	40-140			
Surrogate: 2-Fluorobiphenyl	*101*		µg/L	100		101	40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B049329 - MA VPH										
Blank (B049329-BLK1)				Prepared & Analyzed: 04/06/12						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Toluene	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*30.4*		µg/L	40.0		76.0	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*30.1*		µg/L	40.0		75.1	70-130			
LCS (B049329-BS1)				Prepared & Analyzed: 04/06/12						
Benzene	94.9	1.0	µg/L	100		94.9	70-130			
Butylcyclohexane	86.7	1.0	µg/L	100		86.7	70-130			
Decane	98.2	1.0	µg/L	100		98.2	70-130			
Ethylbenzene	97.0	1.0	µg/L	100		97.0	70-130			
Methyl tert-Butyl Ether (MTBE)	93.2	1.0	µg/L	100		93.2	70-130			
2-Methylpentane	99.3	1.0	µg/L	100		99.3	70-130			
Naphthalene	87.2	5.0	µg/L	100		87.2	70-130			
Nonane	85.9	1.0	µg/L	100		85.9	30-130			
Pentane	95.0	1.0	µg/L	100		95.0	70-130			
Toluene	96.4	1.0	µg/L	100		96.4	70-130			
1,2,4-Trimethylbenzene	97.2	1.0	µg/L	100		97.2	70-130			
2,2,4-Trimethylpentane	93.4	1.0	µg/L	100		93.4	70-130			
m+p Xylene	195	2.0	µg/L	200		97.7	70-130			
o-Xylene	96.9	1.0	µg/L	100		96.9	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*35.4*		µg/L	40.0		88.6	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*34.2*		µg/L	40.0		85.5	70-130			
LCS Dup (B049329-BSD1)				Prepared & Analyzed: 04/06/12						
Benzene	96.2	1.0	µg/L	100		96.2	70-130	1.27	25	
Butylcyclohexane	88.7	1.0	µg/L	100		88.7	70-130	2.29	25	
Decane	103	1.0	µg/L	100		103	70-130	4.83	25	
Ethylbenzene	99.1	1.0	µg/L	100		99.1	70-130	2.11	25	
Methyl tert-Butyl Ether (MTBE)	98.6	1.0	µg/L	100		98.6	70-130	5.66	25	
2-Methylpentane	100	1.0	µg/L	100		100	70-130	0.829	25	
Naphthalene	106	5.0	µg/L	100		106	70-130	19.8	25	
Nonane	87.7	1.0	µg/L	100		87.7	30-130	2.05	25	
Pentane	96.3	1.0	µg/L	100		96.3	70-130	1.31	25	
Toluene	98.3	1.0	µg/L	100		98.3	70-130	2.03	25	
1,2,4-Trimethylbenzene	99.4	1.0	µg/L	100		99.4	70-130	2.21	25	
2,2,4-Trimethylpentane	93.6	1.0	µg/L	100		93.6	70-130	0.227	25	
m+p Xylene	200	2.0	µg/L	200		99.9	70-130	2.21	25	
o-Xylene	98.8	1.0	µg/L	100		98.8	70-130	1.91	25	
Surrogate: 2,5-Dibromotoluene (FID)	*45.6*		µg/L	40.0		114	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*43.8*		µg/L	40.0		110	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
Q-01	Potential false positive result due to a non-petroleum hydrocarbon peak or peaks within the aliphatic/aromatic range.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-05	Elevated reporting limit due to high concentration of target compounds. MA CAM reporting limit not met.
RL-06	Elevated reporting limit due to high concentration of non-target compounds. MA CAM reporting limit not met.
RL-07	Elevated reporting limit based on lowest point in calibration. MA CAM reporting limit not met.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-EPH-04-1.1 in Water	
C9-C18 Aliphatics	CT,NC,WA,ME
C19-C36 Aliphatics	CT,NC,WA,ME
Unadjusted C11-C22 Aromatics	CT,NC,WA,ME
C11-C22 Aromatics	CT,NC,WA,ME
Acenaphthene	CT,NC,WA,ME
Acenaphthylene	CT,NC,WA,ME
Anthracene	CT,NC,WA,ME
Benzo(a)anthracene	CT,NC,WA,ME
Benzo(a)pyrene	CT,NC,WA,ME
Benzo(b)fluoranthene	CT,NC,WA,ME
Benzo(g,h,i)perylene	CT,NC,WA,ME
Benzo(k)fluoranthene	CT,NC,WA,ME
Chrysene	CT,NC,WA,ME
Dibenz(a,h)anthracene	CT,NC,WA,ME
Fluoranthene	CT,NC,WA,ME
Fluorene	CT,NC,WA,ME
Indeno(1,2,3-cd)pyrene	CT,NC,WA,ME
2-Methylnaphthalene	CT,NC,WA,ME
Naphthalene	CT,NC,WA,ME
Phenanthrene	CT,NC,WA,ME
Pyrene	CT,NC,WA,ME
MADEP-VPH-04-1.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,WA,ME
C5-C8 Aliphatics	CT,NC,WA,ME
Unadjusted C9-C12 Aliphatics	CT,NC,WA,ME
C9-C12 Aliphatics	CT,NC,WA,ME
C9-C10 Aromatics	CT,NC,WA,ME
Benzene	CT,NC,WA,ME
Ethylbenzene	CT,NC,WA,ME
Methyl tert-Butyl Ether (MTBE)	CT,NC,WA,ME
Naphthalene	CT,NC,WA,ME
Toluene	CT,NC,WA,ME
m+p Xylene	CT,NC,WA,ME
o-Xylene	CT,NC,WA,ME
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
tert-Amyl Methyl Ether (TAME)	NH,NY,ME
Benzene	CT,NH,NY,ME,RI
Bromobenzene	ME
Bromochloromethane	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME,RI
Bromoform	CT,NH,NY,ME,RI
Bromomethane	CT,NH,NY,ME,RI
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
tert-Butylbenzene	NY,ME
tert-Butyl Ethyl Ether (TBEE)	NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME,RI
Chlorobenzene	CT,NH,NY,ME,RI
Chlorodibromomethane	CT,NH,NY,ME,RI
Chloroethane	CT,NH,NY,ME,RI
Chloroform	CT,NH,NY,ME,RI
Chloromethane	CT,NH,NY,ME,RI
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME,RI
1,3-Dichlorobenzene	CT,NH,NY,ME,RI
1,4-Dichlorobenzene	CT,NH,NY,ME,RI
Dichlorodifluoromethane (Freon 12)	NH,NY,ME,RI
1,1-Dichloroethane	CT,NH,NY,ME,RI
1,2-Dichloroethane	CT,NH,NY,ME,RI
1,1-Dichloroethylene	CT,NH,NY,ME,RI
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME,RI
1,2-Dichloropropane	CT,NH,NY,ME,RI
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME,RI
trans-1,3-Dichloropropene	CT,NH,NY,ME,RI
Diisopropyl Ether (DIPE)	NH,NY,ME
Ethylbenzene	CT,NH,NY,ME,RI
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME,RI
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,RI
Tetrachloroethylene	CT,NH,NY,ME,RI
Toluene	CT,NH,NY,ME,RI
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME,RI
1,1,2-Trichloroethane	CT,NH,NY,ME,RI

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Trichloroethylene	CT,NH,NY,ME,RI
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME,RI
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME,RI
m+p Xylene	CT,NH,NY,ME,RI
o-Xylene	CT,NH,NY,ME,RI

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

12D0167

39 Spruce Street
East longmeadow, MA 01028

Page 1 of 1

Company Name: TRC Environmental
Address: 650 Suffolk Street
Lowell MA 01854
Attention: Alfred Leonard
Project Location: Payne Cutlery
Sampled By: E. Wachtel / J. Robinson

Telephone: 978-970-~~556~~ 5600
Project #
Client PO# 43538

DATA DELIVERY (check all that apply)
O FAX ☒ EMAIL O WEBSITE
Fax # 978-453-1995
Email: aleonard@trcsolutions.com
Format: O PDF O EXCEL O GIS
O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	VOCs (24 H ✓)	VPH (15 H ✓)	EPH (4 H A)									# of Containers / ** Preservation / ***Container Code
01	CGW-8	1055	4/5/12		X	GW		X	X	X									
02	Dup-1	—	4/5/12		X	GW		X	X	X									
03	CGW-15	1335	4/5/12		X	GW		X											
04	CGW-16	1440	4/5/12		X	GW		X											
05	CGW-17	1645	4/5/12		X	GW		X	X										
06	Trip Blanks	~~1635~~ ME						X	X										
07	CGW-10	1635	4/5/12		X	GW		X	X										
08	CGW-14	1145	4/5/12		X	GW		X											

Dissolved Metals
O Field Filtered
O Lab to Filter

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

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

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

Comments: Please see EPA-approved QAPP for details
⊗ CGW-10 sampled @ 1635 per Emilie W. MK 4/9/12

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 Wood	4/5/12 1710
Received by: (signature)	Date/Time:
[illegible]	4/5/12 1710
Relinquished by: (signature)	Date/Time:
[illegible]	4/5/12 1930
Received by: (signature)	Date/Time:
[illegible]	4/5/12 19:30

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5 Day TAT
RUSH † Standard
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts: MCP GW-2/ GW-3
Connecticut:
Other:

Is your project MCP or RCP ?
☒ MCP Analytical Certification Form Required
O RCP Analysis Certification Form Required
O MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) 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.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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East Longmeadow, MA. 01028
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F: 413-525-6405
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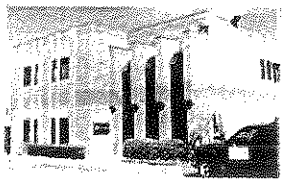
Sample Receipt Checklist



CLIENT NAME: TRC RECEIVED BY: C.C-S DATE: 4/5/12

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

2) Does the chain agree with the samples? Yes No
If not, explain:

3) Are all the samples in good condition? Yes No
If not, explain:

4) How were the samples received:
On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.7°C

5) Are there Dissolved samples for the lab to filter? Yes No
Who was notified _____ Date _____ Time _____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes No
Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

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

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

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

Containers received at Con-Test

	# of containers			# of containers
1 Liter Amber	4		8 oz amber/clear jar	
500 mL Amber			4 oz amber/clear jar	
250 mL Amber (8oz amber)			2 oz amber/clear jar	
1 Liter Plastic			Air Cassette	
500 mL Plastic			Hg/Hopcalite Tube	
250 mL plastic			Plastic Bag / Ziploc	
40 mL Vial - type listed below	39		PM 2.5 / PM 10	
Colisure / bacteria bottle			PUF Cartridge	
Dissolved Oxygen bottle			SOC Kit	
Encore			TO-17 Tubes	
Flashpoint bottle			Non-ConTest Container	
Perchlorate Kit			Other glass jar	
Other			Other	

Laboratory Comments:

40 mL vials: # HCl 39 # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Doc# 277
Rev. 2 Sept 2011

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 12D0167
Project Location: Payne Cutlery	RTN:

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

12D0167-01 thru 12D0167-08

Matrices: Water

CAM Protocol (check all that below)

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

Affirmative response to Questions A throughF is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No[1]
B	Were the analytical method(s) and all associated QC requirements specificed in the selected CAM protocol(s) followed?	☑ Yes	☐ No[1]
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No[1]
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidlines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☑ Yes	☐ No[1]
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes	☐ No[1]
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Qestions A through E)?	☑ Yes	☐ No[1]

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

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

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

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

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

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

Signature: M Erickson Position: Laboratory Director

Printed Name: Michael A. Erickson Date: 04/12/12

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April 19, 2012

Alfred Leonard
TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852

Project Location: City of New Bedford-Payne Cutlery
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 12D0414

Enclosed are results of analyses for samples received by the laboratory on April 12, 2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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TRC Solutions - Lowell
650 Suffolk Street
Lowell, MA 01852
ATTN: Alfred Leonard

REPORT DATE: 4/19/2012

PURCHASE ORDER NUMBER: 43538

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 12D0414

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

PROJECT LOCATION: City of New Bedford-Payne Cutlery

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
CGW-11	12D0414-01	Ground Water		MADEP-EPH-04-1.1	
				MADEP-VPH-04-1.1	
				SW-846 8260C	
Trip Blank	12D0414-02	Trip Blank Water		MADEP-VPH-04-1.1	
				SW-846 8260C	

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CASE NARRATIVE SUMMARY

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

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MADEP-EPH-04-1.1

Qualifications:

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

n-Hexatriacontane, n-Nonane

B049680-BS1

MADEP-VPH-04-1.1

Qualifications:

Potential false positive result due to a non-petroleum hydrocarbon peak or peaks within the aliphatic/aromatic range.

Analyte & Samples(s) Qualified:

C5-C8 Aliphatics, Unadjusted C5-C8 Aliphatics

12D0414-01[CGW-11]

SW-846 8260C

Qualifications:

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 12), Naphthalene

B049890-BSD1, B049890-BS1

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Chloroethane, Vinyl Chloride

B049890-BSD1

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

Analyte & Samples(s) Qualified:

Acetone, Bromomethane, Chloromethane, Dichlorodifluoromethane (Freon 12)

B049890-BSD1, B049890-BS1

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

Analyte & Samples(s) Qualified:

1,1-Dichloroethylene, Carbon Disulfide, Chloroethane, Diethyl Ether, Vinyl Chloride

12D0414-01[CGW-11], 12D0414-02[Trip Blank], B049890-BLK1, B049890-BS1, B049890-BSD1

Elevated reporting limit based on lowest point in calibration.
MA CAM reporting limit not met.

Analyte & Samples(s) Qualified:

1,1,1,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane (DBCP), Bromoform, Carbon Disulfide, Chlorodibromomethane, Methylene Chloride, Naphthalene, trans-1,3-Dichloropropene

12D0414-01[CGW-11], 12D0414-02[Trip Blank]

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

Analyte & Samples(s) Qualified:

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Naphthalene

12D0414-01[CGW-11], 12D0414-02[Trip Blank], B049890-BLK1, B049890-BS1, B049890-BSD1

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

Analyte & Samples(s) Qualified:

1,4-Dioxane

12D0414-01[CGW-11], 12D0414-02[Trip Blank], B049890-BLK1, B049890-BS1, B049890-BSD1

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Bromodichloromethane, Bromomethane

B049890-BS1, B049890-BSD1

MADEP-EPH-04-1.1

SPE cartridge contamination with non-petroleum compounds, if present, is verified by GC/MS in each method blank per extraction batch and excluded from C11-C22 aromatic range fraction in all samples in the batch. No significant modifications were made to the method.

MADEP-VPH-04-1.1

No significant modifications were made to the method. All VPH samples were received preserved properly at pH <2 in the proper containers as specified on the chain-of-custody form unless specified in this narrative.

SW-846 8260C

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

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

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY

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

Project Location: City of New Bedford-Payne Cutle Sample Description: Work Order: 12D0414

Date Received: 4/12/2012

Field Sample #: CGW-11 Sampled: 4/11/2012 13:45

Sample ID: 12D0414-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Bromoform	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Carbon Disulfide	ND	10	µg/L	1	R-05, RL-07	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Carbon Tetrachloride	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Chlorodibromomethane	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Chloroethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,1-Dichloroethylene	1.5	1.0	µg/L	1	R-05	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
cis-1,2-Dichloroethylene	160	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
2,2-Dichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
trans-1,3-Dichloropropene	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Diethyl Ether	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR

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

Project Location: City of New Bedford-Payne Cutle | Sample Description: | Work Order: 12D0414

Date Received: 4/12/2012

Field Sample #: CGW-11 | Sampled: 4/11/2012 13:45

Sample ID: 12D0414-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Methylene Chloride	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Naphthalene	ND	5.0	µg/L	1	RL-07, V-05	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Tetrachloroethylene	2.5	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Tetrahydrofuran	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Trichloroethylene	1500	50	µg/L	50		SW-846 8260C	4/16/12	4/16/12 14:40	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
Vinyl Chloride	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/13/12	4/13/12 15:45	TJR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 15:45	TJR

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	100	70-130		4/13/12 15:45
1,2-Dichloroethane-d4	96.6	70-130		4/16/12 14:40
Toluene-d8	95.8	70-130		4/16/12 14:40
Toluene-d8	96.9	70-130		4/13/12 15:45
4-Bromofluorobenzene	91.5	70-130		4/13/12 15:45
4-Bromofluorobenzene	92.6	70-130		4/16/12 14:40

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

Project Location: City of New Bedford-Payne Cutle Sample Description: Work Order: 12D0414

Date Received: 4/12/2012

Field Sample #: CGW-11 Sampled: 4/11/2012 13:45

Sample ID: 12D0414-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - EPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
C9-C18 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
C19-C36 Aliphatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Unadjusted C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
C11-C22 Aromatics	ND	100	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Acenaphthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Acenaphthylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Benzo(a)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Benzo(a)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Benzo(b)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Benzo(g,h,i)perylene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Benzo(k)fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Chrysene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Dibenz(a,h)anthracene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Fluoranthene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Fluorene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
2-Methylnaphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Naphthalene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Phenanthrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS
Pyrene	ND	2.0	µg/L	1		MADEP-EPH-04-1.1	4/13/12	4/16/12 16:55	SCS

Surrogates	% Recovery	Recovery Limits	Flag	
Chlorooctadecane (COD)	54.2	40-140		4/16/12 16:55
o-Terphenyl (OTP)	70.6	40-140		4/16/12 16:55
2-Bromonaphthalene	96.3	40-140		4/16/12 16:55
2-Fluorobiphenyl	98.5	40-140		4/16/12 16:55

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

Project Location: City of New Bedford-Payne Cutle
Sample Description:
Work Order: 12D0414

Date Received: 4/12/2012

Field Sample #: CGW-11
Sampled: 4/11/2012 13:45

Sample ID: 12D0414-01

Sample Matrix: Ground Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	1200	100	µg/L	1	Q-01	MADEP-VPH-04-1.1	4/13/12	4/13/12 20:01	EEH
C5-C8 Aliphatics	1200	100	µg/L	1	Q-01	MADEP-VPH-04-1.1	4/13/12	4/13/12 20:01	EEH
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 20:01	EEH
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 20:01	EEH
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 20:01	EEH
Benzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 20:01	EEH
Ethylbenzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 20:01	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 20:01	EEH
Naphthalene	ND	5.0	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 20:01	EEH
Toluene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 20:01	EEH
m+p Xylene	ND	2.0	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 20:01	EEH
o-Xylene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 20:01	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	76.3	70-130		4/13/12 20:01
2,5-Dibromotoluene (PID)	87.5	70-130		4/13/12 20:01

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

Project Location: City of New Bedford-Payne Cutle Sample Description: Work Order: 12D0414

Date Received: 4/12/2012

Field Sample #: Trip Blank Sampled: 4/11/2012 00:00

Sample ID: 12D0414-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Benzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Bromodichloromethane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Bromoform	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
2-Butanone (MEK)	ND	10	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Carbon Disulfide	ND	10	µg/L	1	R-05, RL-07	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Carbon Tetrachloride	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Chlorodibromomethane	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Chloroethane	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,1-Dichloroethylene	ND	1.0	µg/L	1	R-05	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
2,2-Dichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,1-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
trans-1,3-Dichloropropene	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Diethyl Ether	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,4-Dioxane	ND	50	µg/L	1	V-16	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR

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

Project Location: City of New Bedford-Payne Cutle | Sample Description: | Work Order: 12D0414

Date Received: 4/12/2012

Field Sample #: Trip Blank | Sampled: 4/11/2012 00:00

Sample ID: 12D0414-02

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobutadiene	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Methylene Chloride	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Naphthalene	ND	5.0	µg/L	1	RL-07, V-05	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Styrene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L	1	RL-07	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Tetrahydrofuran	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Toluene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,2,3-Trichlorobenzene	ND	2.0	µg/L	1	V-05	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1	V-05	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
Vinyl Chloride	ND	2.0	µg/L	1	R-05	SW-846 8260C	4/13/12	4/13/12 11:38	TJR
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	4/13/12	4/13/12 11:38	TJR

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	98.8	70-130		4/13/12 11:38
Toluene-d8	96.0	70-130		4/13/12 11:38
4-Bromofluorobenzene	93.1	70-130		4/13/12 11:38

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

Project Location: City of New Bedford-Payne Cutle
Sample Description:
Work Order: 12D0414

Date Received: 4/12/2012

Field Sample #: Trip Blank
Sampled: 4/11/2012 00:00

Sample ID: 12D0414-02

Sample Matrix: Trip Blank Water

Petroleum Hydrocarbons Analyses - VPH

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Unadjusted C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 19:25	EEH
C5-C8 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 19:25	EEH
Unadjusted C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 19:25	EEH
C9-C12 Aliphatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 19:25	EEH
C9-C10 Aromatics	ND	100	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 19:25	EEH
Benzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 19:25	EEH
Ethylbenzene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 19:25	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 19:25	EEH
Naphthalene	ND	5.0	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 19:25	EEH
Toluene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 19:25	EEH
m+p Xylene	ND	2.0	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 19:25	EEH
o-Xylene	ND	1.0	µg/L	1		MADEP-VPH-04-1.1	4/13/12	4/13/12 19:25	EEH

Surrogates	% Recovery	Recovery Limits	Flag	
2,5-Dibromotoluene (FID)	96.2	70-130		4/13/12 19:25
2,5-Dibromotoluene (PID)	108	70-130		4/13/12 19:25

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Sample Extraction Data

Prep Method: SW-846 3510C-MADEP-EPH-04-1.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12D0414-01 [CGW-11]	B049680	1000	2.00	04/13/12

Prep Method: MA VPH-MADEP-VPH-04-1.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12D0414-01 [CGW-11]	B049699	5	5.00	04/13/12
12D0414-02 [Trip Blank]	B049699	5	5.00	04/13/12

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12D0414-01RE1 [CGW-11]	B049777	0.1	5.00	04/16/12

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
12D0414-01 [CGW-11]	B049890	5	5.00	04/13/12
12D0414-02 [Trip Blank]	B049890	5	5.00	04/13/12

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B049777 - SW-846 5030B										
Blank (B049777-BLK1)				Prepared & Analyzed: 04/16/12						
Trichloroethylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*23.4*		µg/L	25.0		93.7	70-130			
Surrogate: Toluene-d8	*24.0*		µg/L	25.0		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	*23.4*		µg/L	25.0		93.4	70-130			
LCS (B049777-BS1)				Prepared & Analyzed: 04/16/12						
Trichloroethylene	9.59	1.0	µg/L	10.0		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	*22.6*		µg/L	25.0		90.2	70-130			
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.4	70-130			
LCS Dup (B049777-BSD1)				Prepared & Analyzed: 04/16/12						
Trichloroethylene	9.23	1.0	µg/L	10.0		92.3	70-130	3.83	20	
Surrogate: 1,2-Dichloroethane-d4	*22.6*		µg/L	25.0		90.6	70-130			
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	*24.2*		µg/L	25.0		96.7	70-130			
Batch B049890 - SW-846 5030B										
Blank (B049890-BLK1)				Prepared & Analyzed: 04/13/12						
Acetone	ND	50	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	1.0	µg/L							
Bromoform	ND	5.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	10	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	10	µg/L							R-05
Carbon Tetrachloride	ND	2.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	5.0	µg/L							
Chloroethane	ND	2.0	µg/L							R-05
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							R-05
cis-1,2-Dichloroethylene	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B049890 - SW-846 5030B											
Blank (B049890-BLK1)				Prepared & Analyzed: 04/13/12							
trans-1,2-Dichloroethylene	ND	1.0	µg/L								
1,2-Dichloropropane	ND	1.0	µg/L								
1,3-Dichloropropane	ND	0.50	µg/L								
2,2-Dichloropropane	ND	2.0	µg/L								
1,1-Dichloropropene	ND	0.50	µg/L								
cis-1,3-Dichloropropene	ND	2.0	µg/L								
trans-1,3-Dichloropropene	ND	5.0	µg/L								
Diethyl Ether	ND	2.0	µg/L							R-05	
Diisopropyl Ether (DIPE)	ND	0.50	µg/L								
1,4-Dioxane	ND	50	µg/L							V-16	
Ethylbenzene	ND	1.0	µg/L								
Hexachlorobutadiene	ND	0.50	µg/L								
2-Hexanone (MBK)	ND	10	µg/L								
Isopropylbenzene (Cumene)	ND	1.0	µg/L								
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	5.0	µg/L							V-05	
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	5.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	2.0	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	2.0	µg/L							V-05	
1,2,4-Trichlorobenzene	ND	1.0	µg/L							V-05	
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L							R-05	
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*24.7*		µg/L	25.0		98.7	70-130				
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.2	70-130				
Surrogate: 4-Bromofluorobenzene	*23.2*		µg/L	25.0		92.9	70-130				
LCS (B049890-BS1)				Prepared & Analyzed: 04/13/12							
Acetone	76.0	50	µg/L	100		76.0	40-160				†
tert-Amyl Methyl Ether (TAME)	9.07	0.50	µg/L	10.0		90.7	70-130				
Benzene	10.1	1.0	µg/L	10.0		101	70-130				
Bromobenzene	10.0	1.0	µg/L	10.0		100	70-130				
Bromochloromethane	10.0	1.0	µg/L	10.0		100	70-130				
Bromodichloromethane	10.0	1.0	µg/L	10.0		100	70-130			V-20	
Bromoform	8.76	5.0	µg/L	10.0		87.6	70-130				
Bromomethane	7.55	2.0	µg/L	10.0		75.5	40-160			V-20	†
2-Butanone (MEK)	84.2	10	µg/L	100		84.2	40-160				†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B049890 - SW-846 5030B												
LCS (B049890-BS1)				Prepared & Analyzed: 04/13/12								
n-Butylbenzene	10.7	1.0	µg/L	10.0		107		70-130				
sec-Butylbenzene	11.5	1.0	µg/L	10.0		115		70-130				
tert-Butylbenzene	11.1	1.0	µg/L	10.0		111		70-130				
tert-Butyl Ethyl Ether (TBEE)	9.43	0.50	µg/L	10.0		94.3		70-130				
Carbon Disulfide	11.2	10	µg/L	10.0		112		70-130			R-05	
Carbon Tetrachloride	8.29	2.0	µg/L	10.0		82.9		70-130				
Chlorobenzene	10.7	1.0	µg/L	10.0		107		70-130				
Chlorodibromomethane	7.75	5.0	µg/L	10.0		77.5		70-130				
Chloroethane	8.85	2.0	µg/L	10.0		88.5		70-130			R-05	
Chloroform	10.0	2.0	µg/L	10.0		100		70-130				
Chloromethane	6.32	2.0	µg/L	10.0		63.2		40-160			L-14	†
2-Chlorotoluene	10.8	1.0	µg/L	10.0		108		70-130				
4-Chlorotoluene	11.0	1.0	µg/L	10.0		110		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	8.51	5.0	µg/L	10.0		85.1		70-130				
1,2-Dibromoethane (EDB)	9.86	0.50	µg/L	10.0		98.6		70-130				
Dibromomethane	9.66	1.0	µg/L	10.0		96.6		70-130				
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106		70-130				
1,3-Dichlorobenzene	10.8	1.0	µg/L	10.0		108		70-130				
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101		70-130				
Dichlorodifluoromethane (Freon 12)	4.13	2.0	µg/L	10.0		41.3		40-160			L-14	†
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100		70-130				
1,2-Dichloroethane	9.26	1.0	µg/L	10.0		92.6		70-130				
1,1-Dichloroethylene	10.2	1.0	µg/L	10.0		102		70-130			R-05	
cis-1,2-Dichloroethylene	9.47	1.0	µg/L	10.0		94.7		70-130				
trans-1,2-Dichloroethylene	9.49	1.0	µg/L	10.0		94.9		70-130				
1,2-Dichloropropane	10.2	1.0	µg/L	10.0		102		70-130				
1,3-Dichloropropane	9.67	0.50	µg/L	10.0		96.7		70-130				
2,2-Dichloropropane	8.31	2.0	µg/L	10.0		83.1		70-130				
1,1-Dichloropropene	10.4	0.50	µg/L	10.0		104		70-130				
cis-1,3-Dichloropropene	7.83	2.0	µg/L	10.0		78.3		70-130				
trans-1,3-Dichloropropene	8.10	5.0	µg/L	10.0		81.0		70-130				
Diethyl Ether	9.66	2.0	µg/L	10.0		96.6		70-130			R-05	
Diisopropyl Ether (DIPE)	10.0	0.50	µg/L	10.0		100		70-130				
1,4-Dioxane	88.9	50	µg/L	100		88.9		40-160			V-16	†
Ethylbenzene	10.2	1.0	µg/L	10.0		102		70-130				
Hexachlorobutadiene	10.5	0.50	µg/L	10.0		105		70-130				
2-Hexanone (MBK)	85.4	10	µg/L	100		85.4		40-160				†
Isopropylbenzene (Cumene)	11.1	1.0	µg/L	10.0		111		70-130				
p-Isopropyltoluene (p-Cymene)	11.0	1.0	µg/L	10.0		110		70-130				
Methyl tert-Butyl Ether (MTBE)	9.84	1.0	µg/L	10.0		98.4		70-130				
Methylene Chloride	9.35	5.0	µg/L	10.0		93.5		70-130				
4-Methyl-2-pentanone (MIBK)	87.6	10	µg/L	100		87.6		40-160				†
Naphthalene	6.75	5.0	µg/L	10.0		**67.5**	*	70-130			L-07, V-05	
n-Propylbenzene	11.2	1.0	µg/L	10.0		112		70-130				
Styrene	10.0	1.0	µg/L	10.0		100		70-130				
1,1,1,2-Tetrachloroethane	9.22	5.0	µg/L	10.0		92.2		70-130				
1,1,2,2-Tetrachloroethane	10.0	0.50	µg/L	10.0		100		70-130				
Tetrachloroethylene	10.0	1.0	µg/L	10.0		100		70-130				
Tetrahydrofuran	9.30	2.0	µg/L	10.0		93.0		70-130				
Toluene	9.96	1.0	µg/L	10.0		99.6		70-130				
1,2,3-Trichlorobenzene	8.65	2.0	µg/L	10.0		86.5		70-130			V-05	
1,2,4-Trichlorobenzene	8.88	1.0	µg/L	10.0		88.8		70-130			V-05	

con-test® ANALYTICAL LABORATORY

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B049890 - SW-846 5030B													
LCS (B049890-BS1)				Prepared & Analyzed: 04/13/12									
1,1,1-Trichloroethane	9.09	1.0	µg/L	10.0		90.9		70-130					
1,1,2-Trichloroethane	9.69	1.0	µg/L	10.0		96.9		70-130					
Trichloroethylene	9.82	1.0	µg/L	10.0		98.2		70-130					
Trichlorofluoromethane (Freon 11)	8.77	2.0	µg/L	10.0		87.7		70-130					
1,2,3-Trichloropropane	9.74	2.0	µg/L	10.0		97.4		70-130					
1,2,4-Trimethylbenzene	10.3	1.0	µg/L	10.0		103		70-130					
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101		70-130					
Vinyl Chloride	7.32	2.0	µg/L	10.0		73.2		70-130				R-05	
m+p Xylene	21.2	2.0	µg/L	20.0		106		70-130					
o-Xylene	10.8	1.0	µg/L	10.0		108		70-130					
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.2		70-130					
Surrogate: Toluene-d8	*24.7*		µg/L	25.0		98.8		70-130					
Surrogate: 4-Bromofluorobenzene	*24.3*		µg/L	25.0		97.1		70-130					
LCS Dup (B049890-BSD1)				Prepared & Analyzed: 04/13/12									
Acetone	67.5	50	µg/L	100		67.5		40-160	11.8		20	L-14	†
tert-Amyl Methyl Ether (TAME)	9.15	0.50	µg/L	10.0		91.5		70-130	0.878		20		
Benzene	9.84	1.0	µg/L	10.0		98.4		70-130	2.90		20		
Bromobenzene	9.63	1.0	µg/L	10.0		96.3		70-130	4.27		20		
Bromochloromethane	10.3	1.0	µg/L	10.0		103		70-130	2.55		20		
Bromodichloromethane	9.86	1.0	µg/L	10.0		98.6		70-130	1.51		20	V-20	
Bromoform	8.92	5.0	µg/L	10.0		89.2		70-130	1.81		20		
Bromomethane	6.88	2.0	µg/L	10.0		68.8		40-160	9.29		20	L-14, V-20	†
2-Butanone (MEK)	97.1	10	µg/L	100		97.1		40-160	14.2		20		†
n-Butylbenzene	10.3	1.0	µg/L	10.0		103		70-130	4.48		20		
sec-Butylbenzene	11.0	1.0	µg/L	10.0		110		70-130	4.52		20		
tert-Butylbenzene	10.7	1.0	µg/L	10.0		107		70-130	3.50		20		
tert-Butyl Ethyl Ether (TBEE)	9.34	0.50	µg/L	10.0		93.4		70-130	0.959		20		
Carbon Disulfide	8.99	10	µg/L	10.0		89.9		70-130	**21.8**	*	20	R-05	
Carbon Tetrachloride	7.89	2.0	µg/L	10.0		78.9		70-130	4.94		20		
Chlorobenzene	10.2	1.0	µg/L	10.0		102		70-130	4.59		20		
Chlorodibromomethane	7.73	5.0	µg/L	10.0		77.3		70-130	0.258		20		
Chloroethane	6.62	2.0	µg/L	10.0		**66.2**	*	70-130	**28.8**	*	20	L-07A, R-05	
Chloroform	9.74	2.0	µg/L	10.0		97.4		70-130	2.63		20		
Chloromethane	5.66	2.0	µg/L	10.0		56.6		40-160	11.0		20	L-14	†
2-Chlorotoluene	10.1	1.0	µg/L	10.0		101		70-130	6.04		20		
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104		70-130	5.13		20		
1,2-Dibromo-3-chloropropane (DBCP)	9.16	5.0	µg/L	10.0		91.6		70-130	7.36		20		
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102		70-130	3.59		20		
Dibromomethane	9.88	1.0	µg/L	10.0		98.8		70-130	2.25		20		
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105		70-130	1.52		20		
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0		105		70-130	2.54		20		
1,4-Dichlorobenzene	9.79	1.0	µg/L	10.0		97.9		70-130	2.72		20		
Dichlorodifluoromethane (Freon 12)	3.85	2.0	µg/L	10.0		**38.5**	*	40-160	7.02		20	L-07	†
1,1-Dichloroethane	9.47	1.0	µg/L	10.0		94.7		70-130	5.74		20		
1,2-Dichloroethane	9.22	1.0	µg/L	10.0		92.2		70-130	0.433		20		
1,1-Dichloroethylene	7.60	1.0	µg/L	10.0		76.0		70-130	**29.1**	*	20	R-05	
cis-1,2-Dichloroethylene	9.11	1.0	µg/L	10.0		91.1		70-130	3.88		20		
trans-1,2-Dichloroethylene	9.34	1.0	µg/L	10.0		93.4		70-130	1.59		20		
1,2-Dichloropropane	9.81	1.0	µg/L	10.0		98.1		70-130	4.19		20		
1,3-Dichloropropane	9.77	0.50	µg/L	10.0		97.7		70-130	1.03		20		
2,2-Dichloropropane	8.08	2.0	µg/L	10.0		80.8		70-130	2.81		20		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes	
Batch B049890 - SW-846 5030B													
LCS Dup (B049890-BSD1)				Prepared & Analyzed: 04/13/12									
1,1-Dichloropropene	9.97	0.50	µg/L	10.0		99.7		70-130	4.22		20		
cis-1,3-Dichloropropene	7.70	2.0	µg/L	10.0		77.0		70-130	1.67		20		
trans-1,3-Dichloropropene	8.05	5.0	µg/L	10.0		80.5		70-130	0.619		20		
Diethyl Ether	7.58	2.0	µg/L	10.0		75.8		70-130	**24.1**	*	20	R-05	
Diisopropyl Ether (DIPE)	10.6	0.50	µg/L	10.0		106		70-130	5.24		20		
1,4-Dioxane	102	50	µg/L	100		102		40-160	13.9		20	V-16	†
Ethylbenzene	9.70	1.0	µg/L	10.0		97.0		70-130	5.12		20		
Hexachlorobutadiene	10.0	0.50	µg/L	10.0		100		70-130	4.48		20		
2-Hexanone (MBK)	97.2	10	µg/L	100		97.2		40-160	12.9		20		†
Isopropylbenzene (Cumene)	10.5	1.0	µg/L	10.0		105		70-130	6.30		20		
p-Isopropyltoluene (p-Cymene)	10.5	1.0	µg/L	10.0		105		70-130	4.10		20		
Methyl tert-Butyl Ether (MTBE)	9.72	1.0	µg/L	10.0		97.2		70-130	1.23		20		
Methylene Chloride	9.52	5.0	µg/L	10.0		95.2		70-130	1.80		20		
4-Methyl-2-pentanone (MIBK)	98.8	10	µg/L	100		98.8		40-160	12.1		20		†
Naphthalene	7.68	5.0	µg/L	10.0		76.8		70-130	12.9		20	V-05	
n-Propylbenzene	10.6	1.0	µg/L	10.0		106		70-130	5.71		20		
Styrene	9.52	1.0	µg/L	10.0		95.2		70-130	5.02		20		
1,1,1,2-Tetrachloroethane	8.97	5.0	µg/L	10.0		89.7		70-130	2.75		20		
1,1,2,2-Tetrachloroethane	10.9	0.50	µg/L	10.0		109		70-130	8.61		20		
Tetrachloroethylene	9.59	1.0	µg/L	10.0		95.9		70-130	4.58		20		
Tetrahydrofuran	10.9	2.0	µg/L	10.0		109		70-130	16.0		20		
Toluene	9.53	1.0	µg/L	10.0		95.3		70-130	4.41		20		
1,2,3-Trichlorobenzene	9.06	2.0	µg/L	10.0		90.6		70-130	4.63		20	V-05	
1,2,4-Trichlorobenzene	9.17	1.0	µg/L	10.0		91.7		70-130	3.21		20	V-05	
1,1,1-Trichloroethane	8.71	1.0	µg/L	10.0		87.1		70-130	4.27		20		
1,1,2-Trichloroethane	10.0	1.0	µg/L	10.0		100		70-130	3.25		20		
Trichloroethylene	9.33	1.0	µg/L	10.0		93.3		70-130	5.12		20		
Trichlorofluoromethane (Freon 11)	7.25	2.0	µg/L	10.0		72.5		70-130	19.0		20		
1,2,3-Trichloropropane	11.0	2.0	µg/L	10.0		110		70-130	11.7		20		
1,2,4-Trimethylbenzene	9.88	1.0	µg/L	10.0		98.8		70-130	3.97		20		
1,3,5-Trimethylbenzene	9.51	1.0	µg/L	10.0		95.1		70-130	5.82		20		
Vinyl Chloride	5.90	2.0	µg/L	10.0		**59.0**	*	70-130	**21.5**	*	20	L-07A, R-05	
m+p Xylene	20.3	2.0	µg/L	20.0		101		70-130	4.63		20		
o-Xylene	10.4	1.0	µg/L	10.0		104		70-130	4.34		20		
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/L	25.0		96.8		70-130					
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.6		70-130					
Surrogate: 4-Bromofluorobenzene	*24.1*		µg/L	25.0		96.4		70-130					

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B049680 - SW-846 3510C											
Blank (B049680-BLK1)				Prepared: 04/13/12 Analyzed: 04/16/12							
C9-C18 Aliphatics	ND	100	µg/L								
C19-C36 Aliphatics	ND	100	µg/L								
Unadjusted C11-C22 Aromatics	ND	100	µg/L								
C11-C22 Aromatics	ND	100	µg/L								
Acenaphthene	ND	2.0	µg/L								
Acenaphthylene	ND	2.0	µg/L								
Anthracene	ND	2.0	µg/L								
Benzo(a)anthracene	ND	2.0	µg/L								
Benzo(a)pyrene	ND	2.0	µg/L								
Benzo(b)fluoranthene	ND	2.0	µg/L								
Benzo(g,h,i)perylene	ND	2.0	µg/L								
Benzo(k)fluoranthene	ND	2.0	µg/L								
Chrysene	ND	2.0	µg/L								
Dibenz(a,h)anthracene	ND	2.0	µg/L								
Fluoranthene	ND	2.0	µg/L								
Fluorene	ND	2.0	µg/L								
Indeno(1,2,3-cd)pyrene	ND	2.0	µg/L								
2-Methylnaphthalene	ND	2.0	µg/L								
Naphthalene	ND	2.0	µg/L								
Phenanthrene	ND	2.0	µg/L								
Pyrene	ND	2.0	µg/L								
Surrogate: Chlorooctadecane (COD)	*65.8*		µg/L	99.8		65.9		40-140			
Surrogate: o-Terphenyl (OTP)	*78.8*		µg/L	100		78.8		40-140			
Surrogate: 2-Bromonaphthalene	*88.2*		µg/L	100		88.2		40-140			
Surrogate: 2-Fluorobiphenyl	*91.8*		µg/L	100		91.8		40-140			
LCS (B049680-BS1)				Prepared: 04/13/12 Analyzed: 04/16/12							
Acenaphthene	83.0	2.0	µg/L	100		83.0		40-140			
Acenaphthylene	74.6	2.0	µg/L	100		74.6		40-140			
Anthracene	81.1	2.0	µg/L	100		81.1		40-140			
Benzo(a)anthracene	84.8	2.0	µg/L	100		84.8		40-140			
Benzo(a)pyrene	73.4	2.0	µg/L	100		73.4		40-140			
Benzo(b)fluoranthene	78.7	2.0	µg/L	100		78.7		40-140			
Benzo(g,h,i)perylene	78.0	2.0	µg/L	100		78.0		40-140			
Benzo(k)fluoranthene	78.2	2.0	µg/L	100		78.2		40-140			
Chrysene	75.5	2.0	µg/L	100		75.5		40-140			
Dibenz(a,h)anthracene	81.9	2.0	µg/L	100		81.9		40-140			
Fluoranthene	78.7	2.0	µg/L	100		78.7		40-140			
Fluorene	80.8	2.0	µg/L	100		80.8		40-140			
Indeno(1,2,3-cd)pyrene	74.8	2.0	µg/L	100		74.8		40-140			
2-Methylnaphthalene	65.6	2.0	µg/L	100		65.6		40-140			
Naphthalene	57.8	2.0	µg/L	100		57.8		40-140			
Phenanthrene	80.0	2.0	µg/L	100		80.0		40-140			
Pyrene	79.3	2.0	µg/L	100		79.3		40-140			
n-Decane	42.5	2.0	µg/L	100		42.5		40-140			
n-Docosane	91.7	2.0	µg/L	100		91.7		40-140			
n-Dodecane	63.3	2.0	µg/L	100		63.3		40-140			
n-Eicosane	89.7	2.0	µg/L	100		89.7		40-140			
n-Hexacosane	85.8	2.0	µg/L	100		85.8		40-140			
n-Hexadecane	88.1	2.0	µg/L	100		88.1		40-140			
n-Hexatriacontane	39.8	2.0	µg/L	100		**39.8**	*	40-140			L-07
n-Nonadecane	88.6	2.0	µg/L	100		88.6		40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - EPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B049680 - SW-846 3510C											
LCS (B049680-BS1)				Prepared: 04/13/12 Analyzed: 04/16/12							
n-Nonane	29.0	2.0	µg/L	100		**29.0**	*	30-140			L-07
n-Octacosane	83.6	2.0	µg/L	100		83.6		40-140			
n-Octadecane	91.9	2.0	µg/L	100		91.9		40-140			
n-Tetracosane	86.5	2.0	µg/L	100		86.5		40-140			
n-Tetradecane	77.3	2.0	µg/L	100		77.3		40-140			
n-Triacontane	82.9	2.0	µg/L	100		82.9		40-140			
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100				0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100				0-5			
Surrogate: Chlorooctadecane (COD)	*63.9*		µg/L	99.8		64.1		40-140			
Surrogate: o-Terphenyl (OTP)	*84.0*		µg/L	100		84.0		40-140			
Surrogate: 2-Bromonaphthalene	*84.8*		µg/L	100		84.8		40-140			
Surrogate: 2-Fluorobiphenyl	*102*		µg/L	100		102		40-140			
LCS Dup (B049680-BSD1)				Prepared: 04/13/12 Analyzed: 04/16/12							
Acenaphthene	84.9	2.0	µg/L	100		84.9		40-140	2.27	25	
Acenaphthylene	76.7	2.0	µg/L	100		76.7		40-140	2.79	25	
Anthracene	83.1	2.0	µg/L	100		83.1		40-140	2.42	25	
Benzo(a)anthracene	87.4	2.0	µg/L	100		87.4		40-140	3.07	25	
Benzo(a)pyrene	75.2	2.0	µg/L	100		75.2		40-140	2.30	25	
Benzo(b)fluoranthene	80.6	2.0	µg/L	100		80.6		40-140	2.37	25	
Benzo(g,h,i)perylene	79.5	2.0	µg/L	100		79.5		40-140	1.95	25	
Benzo(k)fluoranthene	79.8	2.0	µg/L	100		79.8		40-140	2.11	25	
Chrysene	77.7	2.0	µg/L	100		77.7		40-140	2.84	25	
Dibenz(a,h)anthracene	83.5	2.0	µg/L	100		83.5		40-140	2.04	25	
Fluoranthene	86.9	2.0	µg/L	100		86.9		40-140	9.82	25	
Fluorene	82.3	2.0	µg/L	100		82.3		40-140	1.87	25	
Indeno(1,2,3-cd)pyrene	76.5	2.0	µg/L	100		76.5		40-140	2.25	25	
2-Methylnaphthalene	67.6	2.0	µg/L	100		67.6		40-140	3.03	25	
Naphthalene	58.9	2.0	µg/L	100		58.9		40-140	1.84	25	
Phenanthrene	82.2	2.0	µg/L	100		82.2		40-140	2.65	25	
Pyrene	82.0	2.0	µg/L	100		82.0		40-140	3.34	25	
n-Decane	44.8	2.0	µg/L	100		44.8		40-140	5.40	25	
n-Docosane	95.6	2.0	µg/L	100		95.6		40-140	4.12	25	
n-Dodecane	66.0	2.0	µg/L	100		66.0		40-140	4.17	25	
n-Eicosane	93.1	2.0	µg/L	100		93.1		40-140	3.71	25	
n-Hexacosane	89.5	2.0	µg/L	100		89.5		40-140	4.21	25	
n-Hexadecane	90.6	2.0	µg/L	100		90.6		40-140	2.85	25	
n-Hexatriacontane	41.8	2.0	µg/L	100		41.8		40-140	4.84	25	
n-Nonadecane	92.0	2.0	µg/L	100		92.0		40-140	3.81	25	
n-Nonane	31.0	2.0	µg/L	100		31.0		30-140	6.83	25	
n-Octacosane	87.0	2.0	µg/L	100		87.0		40-140	3.95	25	
n-Octadecane	94.3	2.0	µg/L	100		94.3		40-140	2.55	25	
n-Tetracosane	90.3	2.0	µg/L	100		90.3		40-140	4.22	25	
n-Tetradecane	80.8	2.0	µg/L	100		80.8		40-140	4.35	25	
n-Triacontane	85.8	2.0	µg/L	100		85.8		40-140	3.43	25	
Naphthalene-aliphatic fraction	ND	2.0	µg/L	100				0-5			
2-Methylnaphthalene-aliphatic fraction	ND	2.0	µg/L	100				0-5			
Surrogate: Chlorooctadecane (COD)	*67.8*		µg/L	99.8		67.9		40-140			
Surrogate: o-Terphenyl (OTP)	*83.8*		µg/L	100		83.8		40-140			
Surrogate: 2-Bromonaphthalene	*82.3*		µg/L	100		82.3		40-140			
Surrogate: 2-Fluorobiphenyl	*98.9*		µg/L	100		98.9		40-140			

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QUALITY CONTROL

Petroleum Hydrocarbons Analyses - VPH - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B049699 - MA VPH										
Blank (B049699-BLK1)				Prepared & Analyzed: 04/13/12						
Unadjusted C5-C8 Aliphatics	ND	100	µg/L							
C5-C8 Aliphatics	ND	100	µg/L							
Unadjusted C9-C12 Aliphatics	ND	100	µg/L							
C9-C12 Aliphatics	ND	100	µg/L							
C9-C10 Aromatics	ND	100	µg/L							
Benzene	ND	1.0	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Naphthalene	ND	5.0	µg/L							
Toluene	ND	1.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 2,5-Dibromotoluene (FID)	*36.5*		µg/L	40.0		91.2	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*38.7*		µg/L	40.0		96.7	70-130			
LCS (B049699-BS1)				Prepared & Analyzed: 04/13/12						
Benzene	103	1.0	µg/L	100		103	70-130			
Butylcyclohexane	85.2	1.0	µg/L	100		85.2	70-130			
Decane	96.3	1.0	µg/L	100		96.3	70-130			
Ethylbenzene	99.6	1.0	µg/L	100		99.6	70-130			
Methyl tert-Butyl Ether (MTBE)	109	1.0	µg/L	100		109	70-130			
2-Methylpentane	87.4	1.0	µg/L	100		87.4	70-130			
Naphthalene	88.0	5.0	µg/L	100		88.0	70-130			
Nonane	83.7	1.0	µg/L	100		83.7	30-130			
Pentane	79.7	1.0	µg/L	100		79.7	70-130			
Toluene	104	1.0	µg/L	100		104	70-130			
1,2,4-Trimethylbenzene	97.7	1.0	µg/L	100		97.7	70-130			
2,2,4-Trimethylpentane	91.9	1.0	µg/L	100		91.9	70-130			
m+p Xylene	199	2.0	µg/L	200		99.6	70-130			
o-Xylene	104	1.0	µg/L	100		104	70-130			
Surrogate: 2,5-Dibromotoluene (FID)	*40.3*		µg/L	40.0		101	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*42.5*		µg/L	40.0		106	70-130			
LCS Dup (B049699-BSD1)				Prepared & Analyzed: 04/13/12						
Benzene	93.3	1.0	µg/L	100		93.3	70-130	9.39	25	
Butylcyclohexane	85.7	1.0	µg/L	100		85.7	70-130	0.651	25	
Decane	96.3	1.0	µg/L	100		96.3	70-130	0.0685	25	
Ethylbenzene	95.5	1.0	µg/L	100		95.5	70-130	4.24	25	
Methyl tert-Butyl Ether (MTBE)	94.8	1.0	µg/L	100		94.8	70-130	14.3	25	
2-Methylpentane	79.5	1.0	µg/L	100		79.5	70-130	9.57	25	
Naphthalene	88.0	5.0	µg/L	100		88.0	70-130	0.0193	25	
Nonane	86.4	1.0	µg/L	100		86.4	30-130	3.13	25	
Pentane	71.8	1.0	µg/L	100		71.8	70-130	10.4	25	
Toluene	97.6	1.0	µg/L	100		97.6	70-130	5.92	25	
1,2,4-Trimethylbenzene	95.3	1.0	µg/L	100		95.3	70-130	2.41	25	
2,2,4-Trimethylpentane	90.9	1.0	µg/L	100		90.9	70-130	1.18	25	
m+p Xylene	192	2.0	µg/L	200		96.1	70-130	3.63	25	
o-Xylene	99.8	1.0	µg/L	100		99.8	70-130	3.78	25	
Surrogate: 2,5-Dibromotoluene (FID)	*35.7*		µg/L	40.0		89.1	70-130			
Surrogate: 2,5-Dibromotoluene (PID)	*36.2*		µg/L	40.0		90.5	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
L-14	Compound classified by MA CAM as difficult with acceptable recoveries of 40-160%. Recovery does not meet 70-130% criteria but does meet difficult compound criteria.
Q-01	Potential false positive result due to a non-petroleum hydrocarbon peak or peaks within the aliphatic/aromatic range.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
RL-07	Elevated reporting limit based on lowest point in calibration. MA CAM reporting limit not met.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-16	Response factor is less than method specified minimum acceptable value. Reduced precision and accuracy are associated with reported result.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
MADEP-EPH-04-1.1 in Water	
C9-C18 Aliphatics	CT,NC,WA,ME
C19-C36 Aliphatics	CT,NC,WA,ME
Unadjusted C11-C22 Aromatics	CT,NC,WA,ME
C11-C22 Aromatics	CT,NC,WA,ME
Acenaphthene	CT,NC,WA,ME
Acenaphthylene	CT,NC,WA,ME
Anthracene	CT,NC,WA,ME
Benzo(a)anthracene	CT,NC,WA,ME
Benzo(a)pyrene	CT,NC,WA,ME
Benzo(b)fluoranthene	CT,NC,WA,ME
Benzo(g,h,i)perylene	CT,NC,WA,ME
Benzo(k)fluoranthene	CT,NC,WA,ME
Chrysene	CT,NC,WA,ME
Dibenz(a,h)anthracene	CT,NC,WA,ME
Fluoranthene	CT,NC,WA,ME
Fluorene	CT,NC,WA,ME
Indeno(1,2,3-cd)pyrene	CT,NC,WA,ME
2-Methylnaphthalene	CT,NC,WA,ME
Naphthalene	CT,NC,WA,ME
Phenanthrene	CT,NC,WA,ME
Pyrene	CT,NC,WA,ME
MADEP-VPH-04-1.1 in Water	
Unadjusted C5-C8 Aliphatics	CT,NC,WA,ME
C5-C8 Aliphatics	CT,NC,WA,ME
Unadjusted C9-C12 Aliphatics	CT,NC,WA,ME
C9-C12 Aliphatics	CT,NC,WA,ME
C9-C10 Aromatics	CT,NC,WA,ME
Benzene	CT,NC,WA,ME
Ethylbenzene	CT,NC,WA,ME
Methyl tert-Butyl Ether (MTBE)	CT,NC,WA,ME
Naphthalene	CT,NC,WA,ME
Toluene	CT,NC,WA,ME
m+p Xylene	CT,NC,WA,ME
o-Xylene	CT,NC,WA,ME
SW-846 8260C in Water	
Acetone	CT,NH,NY,ME
tert-Amyl Methyl Ether (TAME)	NH,NY,ME
Benzene	CT,NH,NY,ME,RI
Bromobenzene	ME
Bromochloromethane	NH,NY,ME
Bromodichloromethane	CT,NH,NY,ME,RI
Bromoform	CT,NH,NY,ME,RI
Bromomethane	CT,NH,NY,ME,RI
2-Butanone (MEK)	CT,NH,NY,ME
n-Butylbenzene	NY,ME
sec-Butylbenzene	NY,ME

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
tert-Butylbenzene	NY,ME
tert-Butyl Ethyl Ether (TBEE)	NH,NY,ME
Carbon Disulfide	CT,NH,NY,ME
Carbon Tetrachloride	CT,NH,NY,ME,RI
Chlorobenzene	CT,NH,NY,ME,RI
Chlorodibromomethane	CT,NH,NY,ME,RI
Chloroethane	CT,NH,NY,ME,RI
Chloroform	CT,NH,NY,ME,RI
Chloromethane	CT,NH,NY,ME,RI
2-Chlorotoluene	NY,ME
4-Chlorotoluene	NY,ME
Dibromomethane	NH,NY,ME
1,2-Dichlorobenzene	CT,NY,ME,RI
1,3-Dichlorobenzene	CT,NH,NY,ME,RI
1,4-Dichlorobenzene	CT,NH,NY,ME,RI
Dichlorodifluoromethane (Freon 12)	NH,NY,ME,RI
1,1-Dichloroethane	CT,NH,NY,ME,RI
1,2-Dichloroethane	CT,NH,NY,ME,RI
1,1-Dichloroethylene	CT,NH,NY,ME,RI
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NH,NY,ME,RI
1,2-Dichloropropane	CT,NH,NY,ME,RI
1,3-Dichloropropane	NY,ME
2,2-Dichloropropane	NH,NY,ME
1,1-Dichloropropene	NH,NY,ME
cis-1,3-Dichloropropene	CT,NH,NY,ME,RI
trans-1,3-Dichloropropene	CT,NH,NY,ME,RI
Diisopropyl Ether (DIPE)	NH,NY,ME
Ethylbenzene	CT,NH,NY,ME,RI
Hexachlorobutadiene	CT,NH,NY,ME
2-Hexanone (MBK)	CT,NH,NY,ME
Isopropylbenzene (Cumene)	NY,ME
p-Isopropyltoluene (p-Cymene)	CT,NH,NY,ME
Methyl tert-Butyl Ether (MTBE)	CT,NH,NY,ME
Methylene Chloride	CT,NH,NY,ME,RI
4-Methyl-2-pentanone (MIBK)	CT,NH,NY,ME
Naphthalene	NH,NY,ME
n-Propylbenzene	CT,NH,NY,ME
Styrene	CT,NH,NY,ME
1,1,1,2-Tetrachloroethane	CT,NH,NY,ME
1,1,2,2-Tetrachloroethane	CT,NH,NY,ME,RI
Tetrachloroethylene	CT,NH,NY,ME,RI
Toluene	CT,NH,NY,ME,RI
1,2,3-Trichlorobenzene	NH,NY,ME
1,2,4-Trichlorobenzene	CT,NH,NY,ME
1,1,1-Trichloroethane	CT,NH,NY,ME,RI
1,1,2-Trichloroethane	CT,NH,NY,ME,RI

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Trichloroethylene	CT,NH,NY,ME,RI
Trichlorofluoromethane (Freon 11)	CT,NH,NY,ME,RI
1,2,3-Trichloropropane	NH,NY,ME
1,2,4-Trimethylbenzene	NY,ME
1,3,5-Trimethylbenzene	NY,ME
Vinyl Chloride	CT,NH,NY,ME,RI
m+p Xylene	CT,NH,NY,ME,RI
o-Xylene	CT,NH,NY,ME,RI

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2013
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2013
RI	Rhode Island Department of Health	LAO00112	12/30/2012
NC	North Carolina Div. of Water Quality	652	12/31/2012
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2013
ME	State of Maine	2011028	06/9/2013
VA	Commonwealth of Virginia	1381	12/14/2012

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CHAIN OF CUSTODY RECORD

12D0414

Page 1 of

Company Name: TRC Environmental
Address: 650 Suffolk St.
Lowell, MA 01854
Attention: Alfred Leonard
Project Location: Payne Cutlery
Sampled By: Emilie Wachtel

Telephone: 978-970-5600
Project #
Client PO# 43538

DATA DELIVERY (check all that apply)
O FAX O EMAIL O WEBSITE
Fax #
Email:
Format: O PDF O EXCEL O GIS
O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	VOCs (# of Containers: 3, Preservation: H, Container Code: V)	VPH (# of Containers: 3, Preservation: H, Container Code: V)	EPH (# of Containers: 2, Preservation: H, Container Code: A)
01	CGW-11	4/11/12	1345		X	GW		X	X	X
02	Trip Blanks	4/11/12						X	X	

Dissolved Metals
O Field Filtered
O Lab to Filter

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

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

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

Comments: See EPA-Approved QAPP for details

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	4/12/12 1135
Received by: (signature)	Date/Time: 11 35
4/12/12	
Relinquished by: (signature)	Date/Time: 1900
4-12-12	
Received by: (signature) 3.3°C	Date/Time:
	4/12/12 19:00

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

Detection Limit Requirements
Massachusetts: MCP GW-2
Connecticut:
Other:

Is your project MCP or RCP ?
☒ MCP Analytical Certification Form Required
O RCP Analysis Certification Form Required
O MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA Environmental Lead & Industrial Hygiene
NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) 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.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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East Longmeadow, MA. 01028
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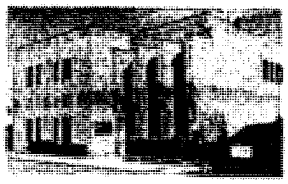

Sample Receipt Checklist

CLIENT NAME: TRC RECEIVED BY: C.C-S. DATE: 4/12/12

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 3.3°C

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

Who was notified _____ Date _____ Time _____

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

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

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

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

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

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber	2	8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below	16	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl 10 # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: Con-Test Analytical Laboratory	Project #: 12D0414
Project Location: City of New Bedford-Payne Cutlery	RTN:

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

12D0414-01 thru 12D0414-02

Matrices: Water

CAM Protocol (check all that below)

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

Affirmative response to Questions A throughF is required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	☑ Yes	☐ No[1]
B	Were the analytical method(s) and all associated QC requirements specificed in the selected CAM protocol(s) followed?	☑ Yes	☐ No[1]
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	☑ Yes	☐ No[1]
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, Quality Assurance and Quality Control Guidlines for the Acquisition and Reporting of Analytical Data?	☑ Yes	☐ No[1]
E a	VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications).	☑ Yes	☐ No[1]
E b	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	☐ Yes	☐ No[1]
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all No responses to Qestions A through E)?	☑ Yes	☐ No[1]

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

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

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

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

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

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

Signature: _____ Position: Laboratory Manager

Printed Name: Daren J. Damboragian Date: 04/19/12

ANALYTICAL REPORT

Lab Number:	L1211737
Client:	TRC Environmental Consultants Wannalancit Mills 650 Suffolk Street Lowell, MA 01854
ATTN:	Al Leonard
Phone:	(978) 656-3689
Project Name:	FORMER PAYNE CUTLERY
Project Number:	172744
Report Date:	07/20/12

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

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), PA (68-02089), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), DOD (L2217.01), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744

Lab Number: L1211737
Report Date: 07/20/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1211737-01	364-COFFIN-1	NEW BEDFORD, MA	06/28/12 10:06
L1211737-02	364-COFFIN-2	NEW BEDFORD, MA	06/28/12 10:27
L1211737-03	362-COFFIN-1	NEW BEDFORD, MA	06/28/12 11:25
L1211737-04	362-COFFIN-2	NEW BEDFORD, MA	06/28/12 11:54
L1211737-05	357-COFFIN-2	NEW BEDFORD, MA	06/28/12 13:42
L1211737-06	357-COFFIN-1	NEW BEDFORD, MA	06/28/12 14:08
L1211737-07	6-ONEKO-1	NEW BEDFORD, MA	06/28/12 15:06
L1211737-08	DUP-1	NEW BEDFORD, MA	06/28/12 00:00
L1211737-09	6-ONEKO-2	NEW BEDFORD, MA	06/28/12 15:30
L1211737-10	358-COFFIN-2	NEW BEDFORD, MA	06/29/12 09:58
L1211737-11	358-COFFIN-1	NEW BEDFORD, MA	06/29/12 10:18
L1211737-12	10-ONEKO-2	NEW BEDFORD, MA	06/29/12 14:23
L1211737-13	10-ONEKO-1	NEW BEDFORD, MA	06/29/12 14:50
L1211737-14	TM-1	NEW BEDFORD, MA	06/29/12 16:56
L1211737-15	TM IAQ-1	NEW BEDFORD, MA	06/29/12 14:53
L1211737-16	TM IAQ-B	NEW BEDFORD, MA	06/29/12 15:01
L1211737-17	IAQ-DUP	NEW BEDFORD, MA	06/29/12 04:01
L1211737-18	TM-CRAWLSPACE-2	NEW BEDFORD, MA	06/29/12 15:35
L1211737-19	TM-CRAWLSPACE-1	NEW BEDFORD, MA	06/29/12 15:32
L1211737-20	AAQ	NEW BEDFORD, MA	06/29/12 15:57

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

MADEP MCP Response Action Analytical Report Certification

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

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

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	YES
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	NO

For any questions answered "No", please refer to the case narrative section on the following page(s).

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

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737
Project Number: 172744 **Report Date:** 07/20/12

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Performance criteria for CAM and RCP methods allow for some LCS compound failures to occur and still be within method compliance. In these instances, the specific failures are not narrated but are noted in the associated QC table. This information is also incorporated in the Data Usability format for our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples free of charge for 30 days from the date the project is completed. After 30 days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples.

Please contact Client Services at 800-624-9220 with any questions.

Project Name:	FORMER PAYNE CUTLERY	**Lab Number:**	L1211737
Project Number:	172744	**Report Date:**	07/20/12

Case Narrative (continued)

Report Submission

This report replaces the report issued on July 16, 2012. The report has been revised to include the TO-15 SIM analysis for various compounds on the Ambient Air samples. The narrative section has also been amended.

MCP Related Narratives

Canisters were released from the laboratory on June 27, 2012.

The canister certification data is provided as an addendum.

L1211737-12 The RPD of the pre- and post-flow controller calibration check (160% RPD) was outside acceptable limits (< or = 20% RPD).

L1211737-15 The RPD of the pre- and post-flow controller calibration check (60% RPD) was outside acceptable limits (< or = 20% RPD).

MCP Volatile Organics in Air

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

Naphthalene - All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

L1211737-03, -05, -07, -08, -09, -11, -14, and WG547181-5 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

MCP Volatile Organics in Air (SIM)

In reference to questions E b/I:

All samples were analyzed for a subset of the MCP compounds.

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

Project Name:	FORMER PAYNE CUTLERY	**Lab Number:**	L1211737
Project Number:	172744	**Report Date:**	07/20/12

Case Narrative (continued)

Petroleum Hydrocarbons in Air

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

L1211737 All significant concentrations of non-petroleum VOCs detected in the TO-15 analysis were subtracted from the corresponding hydrocarbon ranges.

L1211737-02: Diphenylmethane is present in the C5-C8 Aliphatic Hydrocarbon range. The response for this analyte was not included in the calculation of the C5-C8 range result since it is not a petroleum hydrocarbon.

L1211737-03, -05, -07, -08, -09, -11, -14, and WG547492-5 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the samples.

L1211737-14: Tetrahydrofuran is present in the C5-C8 Aliphatic Hydrocarbon range. The response for this analyte was not included in the calculation of the C5-C8 range result since it is not a petroleum hydrocarbon.

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

Authorized Signature: Kathleen O'Brien

Title: Technical Director/Representative Date: 07/20/12

AIR

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-01
Client ID: 364-COFFIN-1
Sample Location: NEW BEDFORD, MA
Matrix: Soil_Vapor
Anaytical Method: 101,TO-15
Analytical Date: 07/09/12 16:14
Analyst: MB

Date Collected: 06/28/12 10:06
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	0.200	ND	0.511	0.511		1
Bromomethane	ND	0.200	0.200	ND	0.777	0.777		1
Acetone	1.03	1.00	1.00	2.45	2.38	2.38		1
1,1-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Methylene chloride	ND	1.40	1.40	ND	4.86	4.86		1
trans-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
1,1-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
Methyl tert butyl ether	ND	0.200	0.200	ND	0.721	0.721		1
2-Butanone	ND	0.200	0.200	ND	0.590	0.590		1
cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Chloroform	ND	0.200	0.200	ND	0.977	0.977		1
1,2-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Benzene	ND	0.200	0.200	ND	0.639	0.639		1
Carbon tetrachloride	ND	0.200	0.200	ND	1.26	1.26		1
1,2-Dichloropropane	ND	0.200	0.200	ND	0.924	0.924		1
Bromodichloromethane	ND	0.200	0.200	ND	1.34	1.34		1
1,4-Dioxane	ND	0.200	0.200	ND	0.721	0.721		1
Trichloroethene	ND	0.200	0.200	ND	1.07	1.07		1
cis-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
4-Methyl-2-pentanone	ND	0.200	0.200	ND	0.820	0.820		1
trans-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
1,1,2-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Toluene	ND	0.200	0.200	ND	0.754	0.754		1

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-01
Client ID: 364-COFFIN-1
Sample Location: NEW BEDFORD, MA
Date Collected: 06/28/12 10:06
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.200	0.200	ND	1.70	1.70		1
1,2-Dibromoethane	ND	0.200	0.200	ND	1.54	1.54		1
Tetrachloroethene	0.500	0.200	0.200	3.39	1.36	1.36		1
Chlorobenzene	ND	0.200	0.200	ND	0.921	0.921		1
Ethylbenzene	ND	0.200	0.200	ND	0.869	0.869		1
p/m-Xylene	ND	0.400	0.400	ND	1.74	1.74		1
Bromoform	ND	0.200	0.200	ND	2.07	2.07		1
Styrene	ND	0.200	0.200	ND	0.852	0.852		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ND	1.37	1.37		1
o-Xylene	ND	0.200	0.200	ND	0.869	0.869		1
1,3-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,4-Dichlorobenzene	0.368	0.200	0.200	2.21	1.20	1.20		1
1,2-Dichlorobenzene	3.59	0.200	0.200	21.6	1.20	1.20		1
1,2,4-Trichlorobenzene	0.212	0.200	0.200	1.57	1.48	1.48		1
Naphthalene	0.241	0.200	0.065	1.26	1.05	0.341		1
Hexachlorobutadiene	ND	0.200	0.200	ND	2.13	2.13		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	97		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-02
Client ID: 364-COFFIN-2
Sample Location: NEW BEDFORD, MA
Matrix: Soil_Vapor
Anaytical Method: 101,TO-15
Analytical Date: 07/09/12 16:47
Analyst: MB

Date Collected: 06/28/12 10:27
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	0.200	ND	0.511	0.511		1
Bromomethane	ND	0.200	0.200	ND	0.777	0.777		1
Acetone	2.37	1.00	1.00	5.63	2.38	2.38		1
1,1-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Methylene chloride	ND	1.40	1.40	ND	4.86	4.86		1
trans-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
1,1-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
Methyl tert butyl ether	ND	0.200	0.200	ND	0.721	0.721		1
2-Butanone	0.595	0.200	0.200	1.75	0.590	0.590		1
cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Chloroform	ND	0.200	0.200	ND	0.977	0.977		1
1,2-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Benzene	ND	0.200	0.200	ND	0.639	0.639		1
Carbon tetrachloride	ND	0.200	0.200	ND	1.26	1.26		1
1,2-Dichloropropane	ND	0.200	0.200	ND	0.924	0.924		1
Bromodichloromethane	ND	0.200	0.200	ND	1.34	1.34		1
1,4-Dioxane	ND	0.200	0.200	ND	0.721	0.721		1
Trichloroethene	ND	0.200	0.200	ND	1.07	1.07		1
cis-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
4-Methyl-2-pentanone	ND	0.200	0.200	ND	0.820	0.820		1
trans-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
1,1,2-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Toluene	ND	0.200	0.200	ND	0.754	0.754		1

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-02
Client ID: 364-COFFIN-2
Sample Location: NEW BEDFORD, MA
Date Collected: 06/28/12 10:27
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.200	0.200	ND	1.70	1.70		1
1,2-Dibromoethane	ND	0.200	0.200	ND	1.54	1.54		1
Tetrachloroethene	2.12	0.200	0.200	14.4	1.36	1.36		1
Chlorobenzene	ND	0.200	0.200	ND	0.921	0.921		1
Ethylbenzene	ND	0.200	0.200	ND	0.869	0.869		1
p/m-Xylene	ND	0.400	0.400	ND	1.74	1.74		1
Bromoform	ND	0.200	0.200	ND	2.07	2.07		1
Styrene	ND	0.200	0.200	ND	0.852	0.852		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ND	1.37	1.37		1
o-Xylene	ND	0.200	0.200	ND	0.869	0.869		1
1,3-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,4-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2,4-Trichlorobenzene	ND	0.200	0.200	ND	1.48	1.48		1
Naphthalene	ND	0.200	0.065	ND	1.05	0.341		1
Hexachlorobutadiene	ND	0.200	0.200	ND	2.13	2.13		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	98		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	105		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-03 D
Client ID: 362-COFFIN-1
Sample Location: NEW BEDFORD, MA
Matrix: Soil_Vapor
Anaytical Method: 101,TO-15
Analytical Date: 07/09/12 17:20
Analyst: MB

Date Collected: 06/28/12 11:25
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.400	0.400	ND	1.02	1.02		2
Bromomethane	ND	0.400	0.400	ND	1.55	1.55		2
Acetone	ND	2.00	2.00	ND	4.75	4.75		2
1,1-Dichloroethene	ND	0.400	0.400	ND	1.58	1.58		2
Methylene chloride	ND	2.80	2.80	ND	9.73	9.73		2
trans-1,2-Dichloroethene	ND	0.400	0.400	ND	1.58	1.58		2
1,1-Dichloroethane	ND	0.400	0.400	ND	1.62	1.62		2
Methyl tert butyl ether	ND	0.400	0.400	ND	1.44	1.44		2
2-Butanone	ND	0.400	0.400	ND	1.18	1.18		2
cis-1,2-Dichloroethene	ND	0.400	0.400	ND	1.58	1.58		2
Chloroform	ND	0.400	0.400	ND	1.95	1.95		2
1,2-Dichloroethane	ND	0.400	0.400	ND	1.62	1.62		2
1,1,1-Trichloroethane	0.586	0.400	0.400	3.20	2.18	2.18		2
Benzene	ND	0.400	0.400	ND	1.28	1.28		2
Carbon tetrachloride	ND	0.400	0.400	ND	2.52	2.52		2
1,2-Dichloropropane	ND	0.400	0.400	ND	1.85	1.85		2
Bromodichloromethane	ND	0.400	0.400	ND	2.68	2.68		2
1,4-Dioxane	ND	0.400	0.400	ND	1.44	1.44		2
Trichloroethene	ND	0.400	0.400	ND	2.15	2.15		2
cis-1,3-Dichloropropene	ND	0.400	0.400	ND	1.82	1.82		2
4-Methyl-2-pentanone	ND	0.400	0.400	ND	1.64	1.64		2
trans-1,3-Dichloropropene	ND	0.400	0.400	ND	1.82	1.82		2
1,1,2-Trichloroethane	ND	0.400	0.400	ND	2.18	2.18		2
Toluene	ND	0.400	0.400	ND	1.51	1.51		2

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-03 D
Client ID: 362-COFFIN-1
Sample Location: NEW BEDFORD, MA
Date Collected: 06/28/12 11:25
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.400	0.400	ND	3.41	3.41		2
1,2-Dibromoethane	ND	0.400	0.400	ND	3.07	3.07		2
Tetrachloroethene	ND	0.400	0.400	ND	2.71	2.71		2
Chlorobenzene	ND	0.400	0.400	ND	1.84	1.84		2
Ethylbenzene	ND	0.400	0.400	ND	1.74	1.74		2
p/m-Xylene	ND	0.800	0.800	ND	3.47	3.47		2
Bromoform	ND	0.400	0.400	ND	4.14	4.14		2
Styrene	ND	0.400	0.400	ND	1.70	1.70		2
1,1,2,2-Tetrachloroethane	ND	0.400	0.400	ND	2.75	2.75		2
o-Xylene	ND	0.400	0.400	ND	1.74	1.74		2
1,3-Dichlorobenzene	ND	0.400	0.400	ND	2.40	2.40		2
1,4-Dichlorobenzene	ND	0.400	0.400	ND	2.40	2.40		2
1,2-Dichlorobenzene	ND	0.400	0.400	ND	2.40	2.40		2
1,2,4-Trichlorobenzene	ND	0.400	0.400	ND	2.97	2.97		2
Naphthalene	ND	0.400	0.130	ND	2.10	0.682		2
Hexachlorobutadiene	ND	0.400	0.400	ND	4.27	4.27		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	113		60-140
chlorobenzene-d5	97		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-04
Client ID: 362-COFFIN-2
Sample Location: NEW BEDFORD, MA
Matrix: Soil_Vapor
Anaytical Method: 101,TO-15
Analytical Date: 07/09/12 18:25
Analyst: MB

Date Collected: 06/28/12 11:54
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	0.200	ND	0.511	0.511		1
Bromomethane	ND	0.200	0.200	ND	0.777	0.777		1
Acetone	ND	1.00	1.00	ND	2.38	2.38		1
1,1-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Methylene chloride	ND	1.40	1.40	ND	4.86	4.86		1
trans-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
1,1-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
Methyl tert butyl ether	ND	0.200	0.200	ND	0.721	0.721		1
2-Butanone	ND	0.200	0.200	ND	0.590	0.590		1
cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Chloroform	ND	0.200	0.200	ND	0.977	0.977		1
1,2-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
1,1,1-Trichloroethane	3.04	0.200	0.200	16.6	1.09	1.09		1
Benzene	ND	0.200	0.200	ND	0.639	0.639		1
Carbon tetrachloride	ND	0.200	0.200	ND	1.26	1.26		1
1,2-Dichloropropane	ND	0.200	0.200	ND	0.924	0.924		1
Bromodichloromethane	ND	0.200	0.200	ND	1.34	1.34		1
1,4-Dioxane	ND	0.200	0.200	ND	0.721	0.721		1
Trichloroethene	ND	0.200	0.200	ND	1.07	1.07		1
cis-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
4-Methyl-2-pentanone	ND	0.200	0.200	ND	0.820	0.820		1
trans-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
1,1,2-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Toluene	ND	0.200	0.200	ND	0.754	0.754		1

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-04
Client ID: 362-COFFIN-2
Sample Location: NEW BEDFORD, MA
Date Collected: 06/28/12 11:54
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.200	0.200	ND	1.70	1.70		1
1,2-Dibromoethane	ND	0.200	0.200	ND	1.54	1.54		1
Tetrachloroethene	ND	0.200	0.200	ND	1.36	1.36		1
Chlorobenzene	ND	0.200	0.200	ND	0.921	0.921		1
Ethylbenzene	ND	0.200	0.200	ND	0.869	0.869		1
p/m-Xylene	ND	0.400	0.400	ND	1.74	1.74		1
Bromoform	ND	0.200	0.200	ND	2.07	2.07		1
Styrene	ND	0.200	0.200	ND	0.852	0.852		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ND	1.37	1.37		1
o-Xylene	ND	0.200	0.200	ND	0.869	0.869		1
1,3-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,4-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2,4-Trichlorobenzene	ND	0.200	0.200	ND	1.48	1.48		1
Naphthalene	ND	0.200	0.065	ND	1.05	0.341		1
Hexachlorobutadiene	ND	0.200	0.200	ND	2.13	2.13		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	93		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-05 D
Client ID: 357-COFFIN-2
Sample Location: NEW BEDFORD, MA
Matrix: Soil_Vapor
Anaytical Method: 101,TO-15
Analytical Date: 07/09/12 18:58
Analyst: MB

Date Collected: 06/28/12 13:42
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.667	0.667	ND	1.70	1.70		3.333
Bromomethane	ND	0.667	0.667	ND	2.59	2.59		3.333
Acetone	ND	3.33	3.33	ND	7.91	7.91		3.333
1,1-Dichloroethene	ND	0.667	0.667	ND	2.64	2.64		3.333
Methylene chloride	ND	4.67	4.67	ND	16.2	16.2		3.333
trans-1,2-Dichloroethene	ND	0.667	0.667	ND	2.64	2.64		3.333
1,1-Dichloroethane	ND	0.667	0.667	ND	2.70	2.70		3.333
Methyl tert butyl ether	ND	0.667	0.667	ND	2.40	2.40		3.333
2-Butanone	ND	0.667	0.667	ND	1.97	1.97		3.333
cis-1,2-Dichloroethene	ND	0.667	0.667	ND	2.64	2.64		3.333
Chloroform	ND	0.667	0.667	ND	3.26	3.26		3.333
1,2-Dichloroethane	ND	0.667	0.667	ND	2.70	2.70		3.333
1,1,1-Trichloroethane	ND	0.667	0.667	ND	3.64	3.64		3.333
Benzene	ND	0.667	0.667	ND	2.13	2.13		3.333
Carbon tetrachloride	ND	0.667	0.667	ND	4.20	4.20		3.333
1,2-Dichloropropane	ND	0.667	0.667	ND	3.08	3.08		3.333
Bromodichloromethane	ND	0.667	0.667	ND	4.47	4.47		3.333
1,4-Dioxane	ND	0.667	0.667	ND	2.40	2.40		3.333
Trichloroethene	ND	0.667	0.667	ND	3.58	3.58		3.333
cis-1,3-Dichloropropene	ND	0.667	0.667	ND	3.03	3.03		3.333
4-Methyl-2-pentanone	ND	0.667	0.667	ND	2.73	2.73		3.333
trans-1,3-Dichloropropene	ND	0.667	0.667	ND	3.03	3.03		3.333
1,1,2-Trichloroethane	ND	0.667	0.667	ND	3.64	3.64		3.333
Toluene	ND	0.667	0.667	ND	2.51	2.51		3.333

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-05 D
Client ID: 357-COFFIN-2
Sample Location: NEW BEDFORD, MA
Date Collected: 06/28/12 13:42
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.667	0.667	ND	5.68	5.68		3.333
1,2-Dibromoethane	ND	0.667	0.667	ND	5.12	5.12		3.333
Tetrachloroethene	ND	0.667	0.667	ND	4.52	4.52		3.333
Chlorobenzene	ND	0.667	0.667	ND	3.07	3.07		3.333
Ethylbenzene	ND	0.667	0.667	ND	2.90	2.90		3.333
p/m-Xylene	ND	1.33	1.33	ND	5.78	5.78		3.333
Bromoform	ND	0.667	0.667	ND	6.90	6.90		3.333
Styrene	ND	0.667	0.667	ND	2.84	2.84		3.333
1,1,2,2-Tetrachloroethane	ND	0.667	0.667	ND	4.58	4.58		3.333
o-Xylene	ND	0.667	0.667	ND	2.90	2.90		3.333
1,3-Dichlorobenzene	ND	0.667	0.667	ND	4.01	4.01		3.333
1,4-Dichlorobenzene	ND	0.667	0.667	ND	4.01	4.01		3.333
1,2-Dichlorobenzene	ND	0.667	0.667	ND	4.01	4.01		3.333
1,2,4-Trichlorobenzene	ND	0.667	0.667	ND	4.95	4.95		3.333
Naphthalene	ND	0.667	0.217	ND	3.50	1.14		3.333
Hexachlorobutadiene	ND	0.667	0.667	ND	7.11	7.11		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	114		60-140
chlorobenzene-d5	92		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-06
Client ID: 357-COFFIN-1
Sample Location: NEW BEDFORD, MA
Matrix: Soil_Vapor
Anaytical Method: 101,TO-15
Analytical Date: 07/09/12 19:31
Analyst: MB

Date Collected: 06/28/12 14:08
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	0.200	ND	0.511	0.511		1
Bromomethane	ND	0.200	0.200	ND	0.777	0.777		1
Acetone	1.10	1.00	1.00	2.61	2.38	2.38		1
1,1-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Methylene chloride	ND	1.40	1.40	ND	4.86	4.86		1
trans-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
1,1-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
Methyl tert butyl ether	ND	0.200	0.200	ND	0.721	0.721		1
2-Butanone	ND	0.200	0.200	ND	0.590	0.590		1
cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Chloroform	8.13	0.200	0.200	39.7	0.977	0.977		1
1,2-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Benzene	ND	0.200	0.200	ND	0.639	0.639		1
Carbon tetrachloride	ND	0.200	0.200	ND	1.26	1.26		1
1,2-Dichloropropane	ND	0.200	0.200	ND	0.924	0.924		1
Bromodichloromethane	0.216	0.200	0.200	1.45	1.34	1.34		1
1,4-Dioxane	ND	0.200	0.200	ND	0.721	0.721		1
Trichloroethene	ND	0.200	0.200	ND	1.07	1.07		1
cis-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
4-Methyl-2-pentanone	ND	0.200	0.200	ND	0.820	0.820		1
trans-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
1,1,2-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Toluene	ND	0.200	0.200	ND	0.754	0.754		1

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-06
Client ID: 357-COFFIN-1
Sample Location: NEW BEDFORD, MA
Date Collected: 06/28/12 14:08
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.200	0.200	ND	1.70	1.70		1
1,2-Dibromoethane	ND	0.200	0.200	ND	1.54	1.54		1
Tetrachloroethene	0.515	0.200	0.200	3.49	1.36	1.36		1
Chlorobenzene	ND	0.200	0.200	ND	0.921	0.921		1
Ethylbenzene	ND	0.200	0.200	ND	0.869	0.869		1
p/m-Xylene	ND	0.400	0.400	ND	1.74	1.74		1
Bromoform	ND	0.200	0.200	ND	2.07	2.07		1
Styrene	ND	0.200	0.200	ND	0.852	0.852		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ND	1.37	1.37		1
o-Xylene	ND	0.200	0.200	ND	0.869	0.869		1
1,3-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,4-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2,4-Trichlorobenzene	ND	0.200	0.200	ND	1.48	1.48		1
Naphthalene	ND	0.200	0.065	ND	1.05	0.341		1
Hexachlorobutadiene	ND	0.200	0.200	ND	2.13	2.13		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	93		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-07 D
Client ID: 6-ONEKO-1
Sample Location: NEW BEDFORD, MA
Matrix: Soil_Vapor
Anaytical Method: 101,TO-15
Analytical Date: 07/09/12 20:04
Analyst: MB

Date Collected: 06/28/12 15:06
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.667	0.667	ND	1.70	1.70		3.333
Bromomethane	ND	0.667	0.667	ND	2.59	2.59		3.333
Acetone	ND	3.33	3.33	ND	7.91	7.91		3.333
1,1-Dichloroethene	ND	0.667	0.667	ND	2.64	2.64		3.333
Methylene chloride	ND	4.67	4.67	ND	16.2	16.2		3.333
trans-1,2-Dichloroethene	ND	0.667	0.667	ND	2.64	2.64		3.333
1,1-Dichloroethane	ND	0.667	0.667	ND	2.70	2.70		3.333
Methyl tert butyl ether	ND	0.667	0.667	ND	2.40	2.40		3.333
2-Butanone	ND	0.667	0.667	ND	1.97	1.97		3.333
cis-1,2-Dichloroethene	ND	0.667	0.667	ND	2.64	2.64		3.333
Chloroform	ND	0.667	0.667	ND	3.26	3.26		3.333
1,2-Dichloroethane	ND	0.667	0.667	ND	2.70	2.70		3.333
1,1,1-Trichloroethane	1.52	0.667	0.667	8.29	3.64	3.64		3.333
Benzene	ND	0.667	0.667	ND	2.13	2.13		3.333
Carbon tetrachloride	ND	0.667	0.667	ND	4.20	4.20		3.333
1,2-Dichloropropane	ND	0.667	0.667	ND	3.08	3.08		3.333
Bromodichloromethane	ND	0.667	0.667	ND	4.47	4.47		3.333
1,4-Dioxane	ND	0.667	0.667	ND	2.40	2.40		3.333
Trichloroethene	2.64	0.667	0.667	14.2	3.58	3.58		3.333
cis-1,3-Dichloropropene	ND	0.667	0.667	ND	3.03	3.03		3.333
4-Methyl-2-pentanone	ND	0.667	0.667	ND	2.73	2.73		3.333
trans-1,3-Dichloropropene	ND	0.667	0.667	ND	3.03	3.03		3.333
1,1,2-Trichloroethane	ND	0.667	0.667	ND	3.64	3.64		3.333
Toluene	ND	0.667	0.667	ND	2.51	2.51		3.333

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-07 D
Client ID: 6-ONEKO-1
Sample Location: NEW BEDFORD, MA
Date Collected: 06/28/12 15:06
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.667	0.667	ND	5.68	5.68		3.333
1,2-Dibromoethane	ND	0.667	0.667	ND	5.12	5.12		3.333
Tetrachloroethene	30.0	0.667	0.667	203	4.52	4.52		3.333
Chlorobenzene	ND	0.667	0.667	ND	3.07	3.07		3.333
Ethylbenzene	ND	0.667	0.667	ND	2.90	2.90		3.333
p/m-Xylene	ND	1.33	1.33	ND	5.78	5.78		3.333
Bromoform	ND	0.667	0.667	ND	6.90	6.90		3.333
Styrene	ND	0.667	0.667	ND	2.84	2.84		3.333
1,1,2,2-Tetrachloroethane	ND	0.667	0.667	ND	4.58	4.58		3.333
o-Xylene	ND	0.667	0.667	ND	2.90	2.90		3.333
1,3-Dichlorobenzene	ND	0.667	0.667	ND	4.01	4.01		3.333
1,4-Dichlorobenzene	ND	0.667	0.667	ND	4.01	4.01		3.333
1,2-Dichlorobenzene	2.21	0.667	0.667	13.3	4.01	4.01		3.333
1,2,4-Trichlorobenzene	ND	0.667	0.667	ND	4.95	4.95		3.333
Naphthalene	ND	0.667	0.217	ND	3.50	1.14		3.333
Hexachlorobutadiene	ND	0.667	0.667	ND	7.11	7.11		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	95		60-140
Bromochloromethane	116		60-140
chlorobenzene-d5	94		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-08 D
Client ID: DUP-1
Sample Location: NEW BEDFORD, MA
Matrix: Soil_Vapor
Anaytical Method: 101,TO-15
Analytical Date: 07/09/12 20:37
Analyst: MB

Date Collected: 06/28/12 00:00
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.667	0.667	ND	1.70	1.70		3.333
Bromomethane	ND	0.667	0.667	ND	2.59	2.59		3.333
Acetone	ND	3.33	3.33	ND	7.91	7.91		3.333
1,1-Dichloroethene	ND	0.667	0.667	ND	2.64	2.64		3.333
Methylene chloride	ND	4.67	4.67	ND	16.2	16.2		3.333
trans-1,2-Dichloroethene	ND	0.667	0.667	ND	2.64	2.64		3.333
1,1-Dichloroethane	ND	0.667	0.667	ND	2.70	2.70		3.333
Methyl tert butyl ether	ND	0.667	0.667	ND	2.40	2.40		3.333
2-Butanone	ND	0.667	0.667	ND	1.97	1.97		3.333
cis-1,2-Dichloroethene	ND	0.667	0.667	ND	2.64	2.64		3.333
Chloroform	ND	0.667	0.667	ND	3.26	3.26		3.333
1,2-Dichloroethane	ND	0.667	0.667	ND	2.70	2.70		3.333
1,1,1-Trichloroethane	1.42	0.667	0.667	7.75	3.64	3.64		3.333
Benzene	ND	0.667	0.667	ND	2.13	2.13		3.333
Carbon tetrachloride	ND	0.667	0.667	ND	4.20	4.20		3.333
1,2-Dichloropropane	ND	0.667	0.667	ND	3.08	3.08		3.333
Bromodichloromethane	ND	0.667	0.667	ND	4.47	4.47		3.333
1,4-Dioxane	ND	0.667	0.667	ND	2.40	2.40		3.333
Trichloroethene	2.49	0.667	0.667	13.4	3.58	3.58		3.333
cis-1,3-Dichloropropene	ND	0.667	0.667	ND	3.03	3.03		3.333
4-Methyl-2-pentanone	ND	0.667	0.667	ND	2.73	2.73		3.333
trans-1,3-Dichloropropene	ND	0.667	0.667	ND	3.03	3.03		3.333
1,1,2-Trichloroethane	ND	0.667	0.667	ND	3.64	3.64		3.333
Toluene	ND	0.667	0.667	ND	2.51	2.51		3.333

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-08 D
Client ID: DUP-1
Sample Location: NEW BEDFORD, MA
Date Collected: 06/28/12 00:00
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.667	0.667	ND	5.68	5.68		3.333
1,2-Dibromoethane	ND	0.667	0.667	ND	5.12	5.12		3.333
Tetrachloroethene	26.0	0.667	0.667	176	4.52	4.52		3.333
Chlorobenzene	ND	0.667	0.667	ND	3.07	3.07		3.333
Ethylbenzene	ND	0.667	0.667	ND	2.90	2.90		3.333
p/m-Xylene	ND	1.33	1.33	ND	5.78	5.78		3.333
Bromoform	ND	0.667	0.667	ND	6.90	6.90		3.333
Styrene	ND	0.667	0.667	ND	2.84	2.84		3.333
1,1,2,2-Tetrachloroethane	ND	0.667	0.667	ND	4.58	4.58		3.333
o-Xylene	ND	0.667	0.667	ND	2.90	2.90		3.333
1,3-Dichlorobenzene	ND	0.667	0.667	ND	4.01	4.01		3.333
1,4-Dichlorobenzene	ND	0.667	0.667	ND	4.01	4.01		3.333
1,2-Dichlorobenzene	ND	0.667	0.667	ND	4.01	4.01		3.333
1,2,4-Trichlorobenzene	ND	0.667	0.667	ND	4.95	4.95		3.333
Naphthalene	ND	0.667	0.217	ND	3.50	1.14		3.333
Hexachlorobutadiene	ND	0.667	0.667	ND	7.11	7.11		3.333

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	114		60-140
chlorobenzene-d5	96		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-09 D
Client ID: 6-ONEKO-2
Sample Location: NEW BEDFORD, MA
Matrix: Soil_Vapor
Anaytical Method: 101,TO-15
Analytical Date: 07/09/12 21:10
Analyst: MB

Date Collected: 06/28/12 15:30
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.400	0.400	ND	1.02	1.02		2
Bromomethane	ND	0.400	0.400	ND	1.55	1.55		2
Acetone	2.98	2.00	2.00	7.08	4.75	4.75		2
1,1-Dichloroethene	ND	0.400	0.400	ND	1.58	1.58		2
Methylene chloride	ND	2.80	2.80	ND	9.73	9.73		2
trans-1,2-Dichloroethene	ND	0.400	0.400	ND	1.58	1.58		2
1,1-Dichloroethane	ND	0.400	0.400	ND	1.62	1.62		2
Methyl tert butyl ether	ND	0.400	0.400	ND	1.44	1.44		2
2-Butanone	ND	0.400	0.400	ND	1.18	1.18		2
cis-1,2-Dichloroethene	ND	0.400	0.400	ND	1.58	1.58		2
Chloroform	ND	0.400	0.400	ND	1.95	1.95		2
1,2-Dichloroethane	ND	0.400	0.400	ND	1.62	1.62		2
1,1,1-Trichloroethane	ND	0.400	0.400	ND	2.18	2.18		2
Benzene	ND	0.400	0.400	ND	1.28	1.28		2
Carbon tetrachloride	ND	0.400	0.400	ND	2.52	2.52		2
1,2-Dichloropropane	ND	0.400	0.400	ND	1.85	1.85		2
Bromodichloromethane	ND	0.400	0.400	ND	2.68	2.68		2
1,4-Dioxane	ND	0.400	0.400	ND	1.44	1.44		2
Trichloroethene	ND	0.400	0.400	ND	2.15	2.15		2
cis-1,3-Dichloropropene	ND	0.400	0.400	ND	1.82	1.82		2
4-Methyl-2-pentanone	ND	0.400	0.400	ND	1.64	1.64		2
trans-1,3-Dichloropropene	ND	0.400	0.400	ND	1.82	1.82		2
1,1,2-Trichloroethane	ND	0.400	0.400	ND	2.18	2.18		2
Toluene	ND	0.400	0.400	ND	1.51	1.51		2

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-09 D
Client ID: 6-ONEKO-2
Sample Location: NEW BEDFORD, MA
Date Collected: 06/28/12 15:30
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.400	0.400	ND	3.41	3.41		2
1,2-Dibromoethane	ND	0.400	0.400	ND	3.07	3.07		2
Tetrachloroethene	2.84	0.400	0.400	19.2	2.71	2.71		2
Chlorobenzene	ND	0.400	0.400	ND	1.84	1.84		2
Ethylbenzene	ND	0.400	0.400	ND	1.74	1.74		2
p/m-Xylene	ND	0.800	0.800	ND	3.47	3.47		2
Bromoform	ND	0.400	0.400	ND	4.14	4.14		2
Styrene	ND	0.400	0.400	ND	1.70	1.70		2
1,1,2,2-Tetrachloroethane	ND	0.400	0.400	ND	2.75	2.75		2
o-Xylene	ND	0.400	0.400	ND	1.74	1.74		2
1,3-Dichlorobenzene	ND	0.400	0.400	ND	2.40	2.40		2
1,4-Dichlorobenzene	ND	0.400	0.400	ND	2.40	2.40		2
1,2-Dichlorobenzene	0.816	0.400	0.400	4.91	2.40	2.40		2
1,2,4-Trichlorobenzene	ND	0.400	0.400	ND	2.97	2.97		2
Naphthalene	ND	0.400	0.130	ND	2.10	0.682		2
Hexachlorobutadiene	ND	0.400	0.400	ND	4.27	4.27		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	113		60-140
chlorobenzene-d5	94		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-10
Client ID: 358-COFFIN-2
Sample Location: NEW BEDFORD, MA
Matrix: Soil_Vapor
Anaytical Method: 101,TO-15
Analytical Date: 07/09/12 21:43
Analyst: MB

Date Collected: 06/29/12 09:58
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	0.200	ND	0.511	0.511		1
Bromomethane	ND	0.200	0.200	ND	0.777	0.777		1
Acetone	1.12	1.00	1.00	2.66	2.38	2.38		1
1,1-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Methylene chloride	1.99	1.40	1.40	6.91	4.86	4.86		1
trans-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
1,1-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
Methyl tert butyl ether	ND	0.200	0.200	ND	0.721	0.721		1
2-Butanone	ND	0.200	0.200	ND	0.590	0.590		1
cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Chloroform	ND	0.200	0.200	ND	0.977	0.977		1
1,2-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Benzene	ND	0.200	0.200	ND	0.639	0.639		1
Carbon tetrachloride	ND	0.200	0.200	ND	1.26	1.26		1
1,2-Dichloropropane	ND	0.200	0.200	ND	0.924	0.924		1
Bromodichloromethane	ND	0.200	0.200	ND	1.34	1.34		1
1,4-Dioxane	ND	0.200	0.200	ND	0.721	0.721		1
Trichloroethene	ND	0.200	0.200	ND	1.07	1.07		1
cis-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
4-Methyl-2-pentanone	ND	0.200	0.200	ND	0.820	0.820		1
trans-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
1,1,2-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Toluene	ND	0.200	0.200	ND	0.754	0.754		1

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-10
Client ID: 358-COFFIN-2
Sample Location: NEW BEDFORD, MA
Date Collected: 06/29/12 09:58
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.200	0.200	ND	1.70	1.70		1
1,2-Dibromoethane	ND	0.200	0.200	ND	1.54	1.54		1
Tetrachloroethene	ND	0.200	0.200	ND	1.36	1.36		1
Chlorobenzene	ND	0.200	0.200	ND	0.921	0.921		1
Ethylbenzene	ND	0.200	0.200	ND	0.869	0.869		1
p/m-Xylene	ND	0.400	0.400	ND	1.74	1.74		1
Bromoform	ND	0.200	0.200	ND	2.07	2.07		1
Styrene	ND	0.200	0.200	ND	0.852	0.852		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ND	1.37	1.37		1
o-Xylene	ND	0.200	0.200	ND	0.869	0.869		1
1,3-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,4-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2,4-Trichlorobenzene	ND	0.200	0.200	ND	1.48	1.48		1
Naphthalene	ND	0.200	0.065	ND	1.05	0.341		1
Hexachlorobutadiene	ND	0.200	0.200	ND	2.13	2.13		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	95		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-11 D
Client ID: 358-COFFIN-1
Sample Location: NEW BEDFORD, MA
Matrix: Soil_Vapor
Anaytical Method: 101,TO-15
Analytical Date: 07/09/12 22:16
Analyst: MB

Date Collected: 06/29/12 10:18
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.400	0.400	ND	1.02	1.02		2
Bromomethane	ND	0.400	0.400	ND	1.55	1.55		2
Acetone	ND	2.00	2.00	ND	4.75	4.75		2
1,1-Dichloroethene	ND	0.400	0.400	ND	1.58	1.58		2
Methylene chloride	ND	2.80	2.80	ND	9.73	9.73		2
trans-1,2-Dichloroethene	ND	0.400	0.400	ND	1.58	1.58		2
1,1-Dichloroethane	ND	0.400	0.400	ND	1.62	1.62		2
Methyl tert butyl ether	ND	0.400	0.400	ND	1.44	1.44		2
2-Butanone	ND	0.400	0.400	ND	1.18	1.18		2
cis-1,2-Dichloroethene	ND	0.400	0.400	ND	1.58	1.58		2
Chloroform	3.31	0.400	0.400	16.2	1.95	1.95		2
1,2-Dichloroethane	ND	0.400	0.400	ND	1.62	1.62		2
1,1,1-Trichloroethane	ND	0.400	0.400	ND	2.18	2.18		2
Benzene	ND	0.400	0.400	ND	1.28	1.28		2
Carbon tetrachloride	ND	0.400	0.400	ND	2.52	2.52		2
1,2-Dichloropropane	ND	0.400	0.400	ND	1.85	1.85		2
Bromodichloromethane	ND	0.400	0.400	ND	2.68	2.68		2
1,4-Dioxane	ND	0.400	0.400	ND	1.44	1.44		2
Trichloroethene	ND	0.400	0.400	ND	2.15	2.15		2
cis-1,3-Dichloropropene	ND	0.400	0.400	ND	1.82	1.82		2
4-Methyl-2-pentanone	ND	0.400	0.400	ND	1.64	1.64		2
trans-1,3-Dichloropropene	ND	0.400	0.400	ND	1.82	1.82		2
1,1,2-Trichloroethane	ND	0.400	0.400	ND	2.18	2.18		2
Toluene	ND	0.400	0.400	ND	1.51	1.51		2

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-11 D
Client ID: 358-COFFIN-1
Sample Location: NEW BEDFORD, MA
Date Collected: 06/29/12 10:18
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.400	0.400	ND	3.41	3.41		2
1,2-Dibromoethane	ND	0.400	0.400	ND	3.07	3.07		2
Tetrachloroethene	0.510	0.400	0.400	3.46	2.71	2.71		2
Chlorobenzene	ND	0.400	0.400	ND	1.84	1.84		2
Ethylbenzene	ND	0.400	0.400	ND	1.74	1.74		2
p/m-Xylene	ND	0.800	0.800	ND	3.47	3.47		2
Bromoform	ND	0.400	0.400	ND	4.14	4.14		2
Styrene	ND	0.400	0.400	ND	1.70	1.70		2
1,1,2,2-Tetrachloroethane	ND	0.400	0.400	ND	2.75	2.75		2
o-Xylene	ND	0.400	0.400	ND	1.74	1.74		2
1,3-Dichlorobenzene	ND	0.400	0.400	ND	2.40	2.40		2
1,4-Dichlorobenzene	ND	0.400	0.400	ND	2.40	2.40		2
1,2-Dichlorobenzene	ND	0.400	0.400	ND	2.40	2.40		2
1,2,4-Trichlorobenzene	ND	0.400	0.400	ND	2.97	2.97		2
Naphthalene	ND	0.400	0.130	ND	2.10	0.682		2
Hexachlorobutadiene	ND	0.400	0.400	ND	4.27	4.27		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	114		60-140
chlorobenzene-d5	94		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-13
Client ID: 10-ONEKO-1
Sample Location: NEW BEDFORD, MA
Matrix: Soil_Vapor
Anaytical Method: 101,TO-15
Analytical Date: 07/09/12 22:49
Analyst: MB

Date Collected: 06/29/12 14:50
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	0.200	ND	0.511	0.511		1
Bromomethane	ND	0.200	0.200	ND	0.777	0.777		1
Acetone	5.31	1.00	1.00	12.6	2.38	2.38		1
1,1-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Methylene chloride	ND	1.40	1.40	ND	4.86	4.86		1
trans-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
1,1-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
Methyl tert butyl ether	ND	0.200	0.200	ND	0.721	0.721		1
2-Butanone	0.666	0.200	0.200	1.96	0.590	0.590		1
cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Chloroform	0.247	0.200	0.200	1.21	0.977	0.977		1
1,2-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Benzene	ND	0.200	0.200	ND	0.639	0.639		1
Carbon tetrachloride	ND	0.200	0.200	ND	1.26	1.26		1
1,2-Dichloropropane	ND	0.200	0.200	ND	0.924	0.924		1
Bromodichloromethane	ND	0.200	0.200	ND	1.34	1.34		1
1,4-Dioxane	ND	0.200	0.200	ND	0.721	0.721		1
Trichloroethene	ND	0.200	0.200	ND	1.07	1.07		1
cis-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
4-Methyl-2-pentanone	ND	0.200	0.200	ND	0.820	0.820		1
trans-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
1,1,2-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Toluene	ND	0.200	0.200	ND	0.754	0.754		1

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-13
Client ID: 10-ONEKO-1
Sample Location: NEW BEDFORD, MA
Date Collected: 06/29/12 14:50
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.200	0.200	ND	1.70	1.70		1
1,2-Dibromoethane	ND	0.200	0.200	ND	1.54	1.54		1
Tetrachloroethene	0.469	0.200	0.200	3.18	1.36	1.36		1
Chlorobenzene	ND	0.200	0.200	ND	0.921	0.921		1
Ethylbenzene	ND	0.200	0.200	ND	0.869	0.869		1
p/m-Xylene	ND	0.400	0.400	ND	1.74	1.74		1
Bromoform	ND	0.200	0.200	ND	2.07	2.07		1
Styrene	ND	0.200	0.200	ND	0.852	0.852		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ND	1.37	1.37		1
o-Xylene	ND	0.200	0.200	ND	0.869	0.869		1
1,3-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,4-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2,4-Trichlorobenzene	ND	0.200	0.200	ND	1.48	1.48		1
Naphthalene	ND	0.200	0.065	ND	1.05	0.341		1
Hexachlorobutadiene	ND	0.200	0.200	ND	2.13	2.13		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	91		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-14 D
Client ID: TM-1
Sample Location: NEW BEDFORD, MA
Matrix: Soil_Vapor
Anaytical Method: 101,TO-15
Analytical Date: 07/10/12 09:30
Analyst: MB

Date Collected: 06/29/12 16:56
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.333	0.333	ND	0.851	0.851		1.667
Bromomethane	ND	0.333	0.333	ND	1.29	1.29		1.667
Acetone	1.84	1.67	1.67	4.37	3.97	3.97		1.667
1,1-Dichloroethene	ND	0.333	0.333	ND	1.32	1.32		1.667
Methylene chloride	ND	2.33	2.33	ND	8.09	8.09		1.667
trans-1,2-Dichloroethene	ND	0.333	0.333	ND	1.32	1.32		1.667
1,1-Dichloroethane	ND	0.333	0.333	ND	1.35	1.35		1.667
Methyl tert butyl ether	ND	0.333	0.333	ND	1.20	1.20		1.667
2-Butanone	6.01	0.333	0.333	17.7	0.982	0.982		1.667
cis-1,2-Dichloroethene	ND	0.333	0.333	ND	1.32	1.32		1.667
Chloroform	ND	0.333	0.333	ND	1.63	1.63		1.667
1,2-Dichloroethane	ND	0.333	0.333	ND	1.35	1.35		1.667
1,1,1-Trichloroethane	ND	0.333	0.333	ND	1.82	1.82		1.667
Benzene	2.23	0.333	0.333	7.12	1.06	1.06		1.667
Carbon tetrachloride	ND	0.333	0.333	ND	2.09	2.09		1.667
1,2-Dichloropropane	ND	0.333	0.333	ND	1.54	1.54		1.667
Bromodichloromethane	ND	0.333	0.333	ND	2.23	2.23		1.667
1,4-Dioxane	ND	0.333	0.333	ND	1.20	1.20		1.667
Trichloroethene	83.0	0.333	0.333	446	1.79	1.79		1.667
cis-1,3-Dichloropropene	ND	0.333	0.333	ND	1.51	1.51		1.667
4-Methyl-2-pentanone	ND	0.333	0.333	ND	1.36	1.36		1.667
trans-1,3-Dichloropropene	ND	0.333	0.333	ND	1.51	1.51		1.667
1,1,2-Trichloroethane	ND	0.333	0.333	ND	1.82	1.82		1.667
Toluene	1.27	0.333	0.333	4.79	1.25	1.25		1.667

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-14 D
Client ID: TM-1
Sample Location: NEW BEDFORD, MA
Date Collected: 06/29/12 16:56
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.333	0.333	ND	2.84	2.84		1.667
1,2-Dibromoethane	ND	0.333	0.333	ND	2.56	2.56		1.667
Tetrachloroethene	1.88	0.333	0.333	12.7	2.26	2.26		1.667
Chlorobenzene	ND	0.333	0.333	ND	1.53	1.53		1.667
Ethylbenzene	ND	0.333	0.333	ND	1.45	1.45		1.667
p/m-Xylene	0.810	0.667	0.667	3.52	2.90	2.90		1.667
Bromoform	ND	0.333	0.333	ND	3.44	3.44		1.667
Styrene	0.475	0.333	0.333	2.02	1.42	1.42		1.667
1,1,2,2-Tetrachloroethane	ND	0.333	0.333	ND	2.29	2.29		1.667
o-Xylene	ND	0.333	0.333	ND	1.45	1.45		1.667
1,3-Dichlorobenzene	ND	0.333	0.333	ND	2.00	2.00		1.667
1,4-Dichlorobenzene	ND	0.333	0.333	ND	2.00	2.00		1.667
1,2-Dichlorobenzene	ND	0.333	0.333	ND	2.00	2.00		1.667
1,2,4-Trichlorobenzene	ND	0.333	0.333	ND	2.47	2.47		1.667
Naphthalene	6.29	0.333	0.108	33.0	1.75	0.566		1.667
Hexachlorobutadiene	ND	0.333	0.333	ND	3.55	3.55		1.667

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	117		60-140
Bromochloromethane	127		60-140
chlorobenzene-d5	113		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-15
Client ID: TM IAQ-1
Sample Location: NEW BEDFORD, MA
Matrix: Air
Anaytical Method: 101,TO-15
Analytical Date: 07/12/12 16:39
Analyst: MB

Date Collected: 06/29/12 14:53
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	0.200	ND	0.511	0.511		1
Bromomethane	ND	0.200	0.200	ND	0.777	0.777		1
Acetone	27.1	1.00	1.00	64.4	2.38	2.38		1
1,1-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Methylene chloride	ND	1.40	1.40	ND	4.86	4.86		1
trans-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
1,1-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
Methyl tert butyl ether	ND	0.200	0.200	ND	0.721	0.721		1
2-Butanone	1.08	0.200	0.200	3.18	0.590	0.590		1
cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Chloroform	ND	0.200	0.200	ND	0.977	0.977		1
1,2-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Benzene	0.279	0.200	0.200	0.891	0.639	0.639		1
Carbon tetrachloride	ND	0.200	0.200	ND	1.26	1.26		1
1,2-Dichloropropane	ND	0.200	0.200	ND	0.924	0.924		1
Bromodichloromethane	ND	0.200	0.200	ND	1.34	1.34		1
1,4-Dioxane	ND	0.200	0.200	ND	0.721	0.721		1
Trichloroethene	ND	0.200	0.200	ND	1.07	1.07		1
cis-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
4-Methyl-2-pentanone	ND	0.200	0.200	ND	0.820	0.820		1
trans-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
1,1,2-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Toluene	0.743	0.200	0.200	2.80	0.754	0.754		1

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-15
Client ID: TM IAQ-1
Sample Location: NEW BEDFORD, MA
Date Collected: 06/29/12 14:53
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.200	0.200	ND	1.70	1.70		1
1,2-Dibromoethane	ND	0.200	0.200	ND	1.54	1.54		1
Tetrachloroethene	ND	0.200	0.200	ND	1.36	1.36		1
Chlorobenzene	ND	0.200	0.200	ND	0.921	0.921		1
Ethylbenzene	ND	0.200	0.200	ND	0.869	0.869		1
p/m-Xylene	ND	0.400	0.400	ND	1.74	1.74		1
Bromoform	ND	0.200	0.200	ND	2.07	2.07		1
Styrene	ND	0.200	0.200	ND	0.852	0.852		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ND	1.37	1.37		1
o-Xylene	ND	0.200	0.200	ND	0.869	0.869		1
1,3-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,4-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2,4-Trichlorobenzene	ND	0.200	0.200	ND	1.48	1.48		1
Naphthalene	0.073	0.200	0.065	0.383	1.05	0.341	J	1
Hexachlorobutadiene	ND	0.200	0.200	ND	2.13	2.13		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	85		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	89		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-15
Client ID: TM IAQ-1
Sample Location: NEW BEDFORD, MA
Matrix: Air
Anaytical Method: 101,TO15-SIM
Analytical Date: 07/11/12 23:22
Analyst: RY

Date Collected: 06/29/12 14:53
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.020	0.020	ND	0.137	0.137		1
1,1,2-Trichloroethane	ND	0.020	0.020	ND	0.109	0.109		1
1,2-Dibromoethane	ND	0.020	0.020	ND	0.154	0.154		1
1,2-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,2-Dichloroethane	0.033	0.020	0.020	0.134	0.081	0.081		1
1,2-Dichloropropane	ND	0.020	0.020	ND	0.092	0.092		1
1,3-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,4-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,4-Dioxane	ND	0.100	0.100	ND	0.360	0.360		1
Bromodichloromethane	ND	0.020	0.020	ND	0.134	0.134		1
Bromomethane	ND	0.020	0.020	ND	0.078	0.078		1
Carbon tetrachloride	0.057	0.020	0.020	0.358	0.126	0.126		1
cis-1,3-Dichloropropene	ND	0.020	0.020	ND	0.091	0.091		1
Dibromochloromethane	ND	0.020	0.020	ND	0.170	0.170		1
Naphthalene	ND	0.050	0.050	ND	0.262	0.262		1
trans-1,3-Dichloropropene	ND	0.020	0.020	ND	0.091	0.091		1
Trichloroethene	0.051	0.020	0.020	0.274	0.107	0.107		1
Vinyl chloride	ND	0.020	0.020	ND	0.051	0.051		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	98		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-16
Client ID: TM IAQ-B
Sample Location: NEW BEDFORD, MA
Matrix: Air
Anaytical Method: 101,TO-15
Analytical Date: 07/12/12 17:49
Analyst: MB

Date Collected: 06/29/12 15:01
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	0.200	ND	0.511	0.511		1
Bromomethane	ND	0.200	0.200	ND	0.777	0.777		1
Acetone	14.6	1.00	1.00	34.7	2.38	2.38		1
1,1-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Methylene chloride	ND	1.40	1.40	ND	4.86	4.86		1
trans-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
1,1-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
Methyl tert butyl ether	ND	0.200	0.200	ND	0.721	0.721		1
2-Butanone	3.53	0.200	0.200	10.4	0.590	0.590		1
cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Chloroform	ND	0.200	0.200	ND	0.977	0.977		1
1,2-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
1,1,1-Trichloroethane	0.209	0.200	0.200	1.14	1.09	1.09		1
Benzene	0.252	0.200	0.200	0.805	0.639	0.639		1
Carbon tetrachloride	ND	0.200	0.200	ND	1.26	1.26		1
1,2-Dichloropropane	ND	0.200	0.200	ND	0.924	0.924		1
Bromodichloromethane	ND	0.200	0.200	ND	1.34	1.34		1
1,4-Dioxane	ND	0.200	0.200	ND	0.721	0.721		1
Trichloroethene	0.237	0.200	0.200	1.27	1.07	1.07		1
cis-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
4-Methyl-2-pentanone	ND	0.200	0.200	ND	0.820	0.820		1
trans-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
1,1,2-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Toluene	2.24	0.200	0.200	8.44	0.754	0.754		1

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-16
Client ID: TM IAQ-B
Sample Location: NEW BEDFORD, MA
Date Collected: 06/29/12 15:01
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.200	0.200	ND	1.70	1.70		1
1,2-Dibromoethane	ND	0.200	0.200	ND	1.54	1.54		1
Tetrachloroethene	ND	0.200	0.200	ND	1.36	1.36		1
Chlorobenzene	ND	0.200	0.200	ND	0.921	0.921		1
Ethylbenzene	0.273	0.200	0.200	1.18	0.869	0.869		1
p/m-Xylene	0.922	0.400	0.400	4.00	1.74	1.74		1
Bromoform	ND	0.200	0.200	ND	2.07	2.07		1
Styrene	ND	0.200	0.200	ND	0.852	0.852		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ND	1.37	1.37		1
o-Xylene	0.327	0.200	0.200	1.42	0.869	0.869		1
1,3-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,4-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2,4-Trichlorobenzene	ND	0.200	0.200	ND	1.48	1.48		1
Naphthalene	0.153	0.200	0.065	0.802	1.05	0.341	J	1
Hexachlorobutadiene	ND	0.200	0.200	ND	2.13	2.13		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	88		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	88		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-16
Client ID: TM IAQ-B
Sample Location: NEW BEDFORD, MA
Matrix: Air
Anaytical Method: 101,TO15-SIM
Analytical Date: 07/12/12 00:31
Analyst: RY

Date Collected: 06/29/12 15:01
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.020	0.020	ND	0.137	0.137		1
1,1,2-Trichloroethane	ND	0.020	0.020	ND	0.109	0.109		1
1,2-Dibromoethane	ND	0.020	0.020	ND	0.154	0.154		1
1,2-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,2-Dichloroethane	0.031	0.020	0.020	0.125	0.081	0.081		1
1,2-Dichloropropane	ND	0.020	0.020	ND	0.092	0.092		1
1,3-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,4-Dichlorobenzene	0.020	0.020	0.020	0.120	0.120	0.120		1
1,4-Dioxane	ND	0.100	0.100	ND	0.360	0.360		1
Bromodichloromethane	ND	0.020	0.020	ND	0.134	0.134		1
Bromomethane	ND	0.020	0.020	ND	0.078	0.078		1
Carbon tetrachloride	0.058	0.020	0.020	0.365	0.126	0.126		1
cis-1,3-Dichloropropene	ND	0.020	0.020	ND	0.091	0.091		1
Dibromochloromethane	ND	0.020	0.020	ND	0.170	0.170		1
Naphthalene	0.134	0.050	0.050	0.703	0.262	0.262		1
trans-1,3-Dichloropropene	ND	0.020	0.020	ND	0.091	0.091		1
Trichloroethene	0.239	0.020	0.020	1.28	0.107	0.107		1
Vinyl chloride	ND	0.020	0.020	ND	0.051	0.051		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-17
Client ID: IAQ-DUP
Sample Location: NEW BEDFORD, MA
Matrix: Air
Anaytical Method: 101,TO-15
Analytical Date: 07/12/12 18:23
Analyst: MB

Date Collected: 06/29/12 04:01
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	0.200	ND	0.511	0.511		1
Bromomethane	ND	0.200	0.200	ND	0.777	0.777		1
Acetone	14.1	1.00	1.00	33.5	2.38	2.38		1
1,1-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Methylene chloride	ND	1.40	1.40	ND	4.86	4.86		1
trans-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
1,1-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
Methyl tert butyl ether	ND	0.200	0.200	ND	0.721	0.721		1
2-Butanone	2.97	0.200	0.200	8.76	0.590	0.590		1
cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Chloroform	ND	0.200	0.200	ND	0.977	0.977		1
1,2-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
1,1,1-Trichloroethane	0.233	0.200	0.200	1.27	1.09	1.09		1
Benzene	0.271	0.200	0.200	0.866	0.639	0.639		1
Carbon tetrachloride	ND	0.200	0.200	ND	1.26	1.26		1
1,2-Dichloropropane	ND	0.200	0.200	ND	0.924	0.924		1
Bromodichloromethane	ND	0.200	0.200	ND	1.34	1.34		1
1,4-Dioxane	ND	0.200	0.200	ND	0.721	0.721		1
Trichloroethene	0.320	0.200	0.200	1.72	1.07	1.07		1
cis-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
4-Methyl-2-pentanone	ND	0.200	0.200	ND	0.820	0.820		1
trans-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
1,1,2-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Toluene	2.32	0.200	0.200	8.74	0.754	0.754		1

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-17
Client ID: IAQ-DUP
Sample Location: NEW BEDFORD, MA
Date Collected: 06/29/12 04:01
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.200	0.200	ND	1.70	1.70		1
1,2-Dibromoethane	ND	0.200	0.200	ND	1.54	1.54		1
Tetrachloroethene	ND	0.200	0.200	ND	1.36	1.36		1
Chlorobenzene	ND	0.200	0.200	ND	0.921	0.921		1
Ethylbenzene	0.277	0.200	0.200	1.20	0.869	0.869		1
p/m-Xylene	0.912	0.400	0.400	3.96	1.74	1.74		1
Bromoform	ND	0.200	0.200	ND	2.07	2.07		1
Styrene	ND	0.200	0.200	ND	0.852	0.852		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ND	1.37	1.37		1
o-Xylene	0.342	0.200	0.200	1.48	0.869	0.869		1
1,3-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,4-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2,4-Trichlorobenzene	ND	0.200	0.200	ND	1.48	1.48		1
Naphthalene	0.140	0.200	0.065	0.734	1.05	0.341	J	1
Hexachlorobutadiene	ND	0.200	0.200	ND	2.13	2.13		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	83		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-17
Client ID: IAQ-DUP
Sample Location: NEW BEDFORD, MA
Matrix: Air
Anaytical Method: 101,TO15-SIM
Analytical Date: 07/12/12 01:06
Analyst: RY

Date Collected: 06/29/12 04:01
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.020	0.020	ND	0.137	0.137		1
1,1,2-Trichloroethane	ND	0.020	0.020	ND	0.109	0.109		1
1,2-Dibromoethane	ND	0.020	0.020	ND	0.154	0.154		1
1,2-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,2-Dichloroethane	0.031	0.020	0.020	0.125	0.081	0.081		1
1,2-Dichloropropane	ND	0.020	0.020	ND	0.092	0.092		1
1,3-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,4-Dichlorobenzene	0.021	0.020	0.020	0.126	0.120	0.120		1
1,4-Dioxane	ND	0.100	0.100	ND	0.360	0.360		1
Bromodichloromethane	ND	0.020	0.020	ND	0.134	0.134		1
Bromomethane	ND	0.020	0.020	ND	0.078	0.078		1
Carbon tetrachloride	0.060	0.020	0.020	0.377	0.126	0.126		1
cis-1,3-Dichloropropene	ND	0.020	0.020	ND	0.091	0.091		1
Dibromochloromethane	ND	0.020	0.020	ND	0.170	0.170		1
Naphthalene	0.128	0.050	0.050	0.671	0.262	0.262		1
trans-1,3-Dichloropropene	ND	0.020	0.020	ND	0.091	0.091		1
Trichloroethene	0.255	0.020	0.020	1.37	0.107	0.107		1
Vinyl chloride	ND	0.020	0.020	ND	0.051	0.051		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	94		60-140
bromochloromethane	96		60-140
chlorobenzene-d5	96		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-18
Client ID: TM-CRAWLSPACE-2
Sample Location: NEW BEDFORD, MA
Matrix: Air
Anaytical Method: 101,TO-15
Analytical Date: 07/12/12 18:58
Analyst: MB

Date Collected: 06/29/12 15:35
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	0.200	ND	0.511	0.511		1
Bromomethane	ND	0.200	0.200	ND	0.777	0.777		1
Acetone	10.6	1.00	1.00	25.2	2.38	2.38		1
1,1-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Methylene chloride	ND	1.40	1.40	ND	4.86	4.86		1
trans-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
1,1-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
Methyl tert butyl ether	ND	0.200	0.200	ND	0.721	0.721		1
2-Butanone	0.817	0.200	0.200	2.41	0.590	0.590		1
cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Chloroform	ND	0.200	0.200	ND	0.977	0.977		1
1,2-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Benzene	0.294	0.200	0.200	0.939	0.639	0.639		1
Carbon tetrachloride	ND	0.200	0.200	ND	1.26	1.26		1
1,2-Dichloropropane	ND	0.200	0.200	ND	0.924	0.924		1
Bromodichloromethane	ND	0.200	0.200	ND	1.34	1.34		1
1,4-Dioxane	ND	0.200	0.200	ND	0.721	0.721		1
Trichloroethene	ND	0.200	0.200	ND	1.07	1.07		1
cis-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
4-Methyl-2-pentanone	ND	0.200	0.200	ND	0.820	0.820		1
trans-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
1,1,2-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Toluene	1.10	0.200	0.200	4.14	0.754	0.754		1

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-18
Client ID: TM-CRAWLSPACE-2
Sample Location: NEW BEDFORD, MA
Date Collected: 06/29/12 15:35
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.200	0.200	ND	1.70	1.70		1
1,2-Dibromoethane	ND	0.200	0.200	ND	1.54	1.54		1
Tetrachloroethene	ND	0.200	0.200	ND	1.36	1.36		1
Chlorobenzene	ND	0.200	0.200	ND	0.921	0.921		1
Ethylbenzene	ND	0.200	0.200	ND	0.869	0.869		1
p/m-Xylene	0.615	0.400	0.400	2.67	1.74	1.74		1
Bromoform	ND	0.200	0.200	ND	2.07	2.07		1
Styrene	ND	0.200	0.200	ND	0.852	0.852		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ND	1.37	1.37		1
o-Xylene	0.231	0.200	0.200	1.00	0.869	0.869		1
1,3-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,4-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2,4-Trichlorobenzene	ND	0.200	0.200	ND	1.48	1.48		1
Naphthalene	ND	0.200	0.065	ND	1.05	0.341		1
Hexachlorobutadiene	ND	0.200	0.200	ND	2.13	2.13		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	80		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	85		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-18
Client ID: TM-CRAWLSPACE-2
Sample Location: NEW BEDFORD, MA
Matrix: Air
Anaytical Method: 101,TO15-SIM
Analytical Date: 07/12/12 01:41
Analyst: RY

Date Collected: 06/29/12 15:35
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.020	0.020	ND	0.137	0.137		1
1,1,2-Trichloroethane	ND	0.020	0.020	ND	0.109	0.109		1
1,2-Dibromoethane	ND	0.020	0.020	ND	0.154	0.154		1
1,2-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,2-Dichloroethane	0.035	0.020	0.020	0.142	0.081	0.081		1
1,2-Dichloropropane	ND	0.020	0.020	ND	0.092	0.092		1
1,3-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,4-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,4-Dioxane	ND	0.100	0.100	ND	0.360	0.360		1
Bromodichloromethane	ND	0.020	0.020	ND	0.134	0.134		1
Bromomethane	ND	0.020	0.020	ND	0.078	0.078		1
Carbon tetrachloride	0.056	0.020	0.020	0.352	0.126	0.126		1
cis-1,3-Dichloropropene	ND	0.020	0.020	ND	0.091	0.091		1
Dibromochloromethane	ND	0.020	0.020	ND	0.170	0.170		1
Naphthalene	ND	0.050	0.050	ND	0.262	0.262		1
trans-1,3-Dichloropropene	ND	0.020	0.020	ND	0.091	0.091		1
Trichloroethene	0.126	0.020	0.020	0.677	0.107	0.107		1
Vinyl chloride	ND	0.020	0.020	ND	0.051	0.051		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	104		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	101		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-19
Client ID: TM-CRAWLSPACE-1
Sample Location: NEW BEDFORD, MA
Matrix: Air
Anaytical Method: 101,TO-15
Analytical Date: 07/12/12 19:33
Analyst: MB

Date Collected: 06/29/12 15:32
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	0.200	ND	0.511	0.511		1
Bromomethane	ND	0.200	0.200	ND	0.777	0.777		1
Acetone	11.3	1.00	1.00	26.8	2.38	2.38		1
1,1-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Methylene chloride	ND	1.40	1.40	ND	4.86	4.86		1
trans-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
1,1-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
Methyl tert butyl ether	ND	0.200	0.200	ND	0.721	0.721		1
2-Butanone	1.52	0.200	0.200	4.48	0.590	0.590		1
cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Chloroform	ND	0.200	0.200	ND	0.977	0.977		1
1,2-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Benzene	0.247	0.200	0.200	0.789	0.639	0.639		1
Carbon tetrachloride	ND	0.200	0.200	ND	1.26	1.26		1
1,2-Dichloropropane	ND	0.200	0.200	ND	0.924	0.924		1
Bromodichloromethane	ND	0.200	0.200	ND	1.34	1.34		1
1,4-Dioxane	ND	0.200	0.200	ND	0.721	0.721		1
Trichloroethene	ND	0.200	0.200	ND	1.07	1.07		1
cis-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
4-Methyl-2-pentanone	ND	0.200	0.200	ND	0.820	0.820		1
trans-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
1,1,2-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Toluene	0.925	0.200	0.200	3.48	0.754	0.754		1

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-19
Client ID: TM-CRAWLSPACE-1
Sample Location: NEW BEDFORD, MA
Date Collected: 06/29/12 15:32
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.200	0.200	ND	1.70	1.70		1
1,2-Dibromoethane	ND	0.200	0.200	ND	1.54	1.54		1
Tetrachloroethene	ND	0.200	0.200	ND	1.36	1.36		1
Chlorobenzene	ND	0.200	0.200	ND	0.921	0.921		1
Ethylbenzene	ND	0.200	0.200	ND	0.869	0.869		1
p/m-Xylene	0.571	0.400	0.400	2.48	1.74	1.74		1
Bromoform	ND	0.200	0.200	ND	2.07	2.07		1
Styrene	ND	0.200	0.200	ND	0.852	0.852		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ND	1.37	1.37		1
o-Xylene	0.207	0.200	0.200	0.899	0.869	0.869		1
1,3-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,4-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2,4-Trichlorobenzene	ND	0.200	0.200	ND	1.48	1.48		1
Naphthalene	ND	0.200	0.065	ND	1.05	0.341		1
Hexachlorobutadiene	ND	0.200	0.200	ND	2.13	2.13		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	83		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	78		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-19
Client ID: TM-CRAWLSPACE-1
Sample Location: NEW BEDFORD, MA
Matrix: Air
Anaytical Method: 101,TO15-SIM
Analytical Date: 07/12/12 02:16
Analyst: RY

Date Collected: 06/29/12 15:32
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.020	0.020	ND	0.137	0.137		1
1,1,2-Trichloroethane	ND	0.020	0.020	ND	0.109	0.109		1
1,2-Dibromoethane	ND	0.020	0.020	ND	0.154	0.154		1
1,2-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,2-Dichloroethane	0.021	0.020	0.020	0.085	0.081	0.081		1
1,2-Dichloropropane	ND	0.020	0.020	ND	0.092	0.092		1
1,3-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,4-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,4-Dioxane	ND	0.100	0.100	ND	0.360	0.360		1
Bromodichloromethane	ND	0.020	0.020	ND	0.134	0.134		1
Bromomethane	ND	0.020	0.020	ND	0.078	0.078		1
Carbon tetrachloride	0.056	0.020	0.020	0.352	0.126	0.126		1
cis-1,3-Dichloropropene	ND	0.020	0.020	ND	0.091	0.091		1
Dibromochloromethane	ND	0.020	0.020	ND	0.170	0.170		1
Naphthalene	ND	0.050	0.050	ND	0.262	0.262		1
trans-1,3-Dichloropropene	ND	0.020	0.020	ND	0.091	0.091		1
Trichloroethene	0.063	0.020	0.020	0.338	0.107	0.107		1
Vinyl chloride	ND	0.020	0.020	ND	0.051	0.051		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	93		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-20
Client ID: AAQ
Sample Location: NEW BEDFORD, MA
Matrix: Air
Anaytical Method: 101,TO-15
Analytical Date: 07/12/12 20:08
Analyst: MB

Date Collected: 06/29/12 15:57
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Vinyl chloride	ND	0.200	0.200	ND	0.511	0.511		1
Bromomethane	ND	0.200	0.200	ND	0.777	0.777		1
Acetone	6.36	1.00	1.00	15.1	2.38	2.38		1
1,1-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Methylene chloride	ND	1.40	1.40	ND	4.86	4.86		1
trans-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
1,1-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
Methyl tert butyl ether	ND	0.200	0.200	ND	0.721	0.721		1
2-Butanone	0.699	0.200	0.200	2.06	0.590	0.590		1
cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Chloroform	ND	0.200	0.200	ND	0.977	0.977		1
1,2-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Benzene	ND	0.200	0.200	ND	0.639	0.639		1
Carbon tetrachloride	ND	0.200	0.200	ND	1.26	1.26		1
1,2-Dichloropropane	ND	0.200	0.200	ND	0.924	0.924		1
Bromodichloromethane	ND	0.200	0.200	ND	1.34	1.34		1
1,4-Dioxane	ND	0.200	0.200	ND	0.721	0.721		1
Trichloroethene	ND	0.200	0.200	ND	1.07	1.07		1
cis-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
4-Methyl-2-pentanone	ND	0.200	0.200	ND	0.820	0.820		1
trans-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
1,1,2-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Toluene	0.569	0.200	0.200	2.14	0.754	0.754		1

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-20
Client ID: AAQ
Sample Location: NEW BEDFORD, MA
Date Collected: 06/29/12 15:57
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab								
Dibromochloromethane	ND	0.200	0.200	ND	1.70	1.70		1
1,2-Dibromoethane	ND	0.200	0.200	ND	1.54	1.54		1
Tetrachloroethene	ND	0.200	0.200	ND	1.36	1.36		1
Chlorobenzene	ND	0.200	0.200	ND	0.921	0.921		1
Ethylbenzene	ND	0.200	0.200	ND	0.869	0.869		1
p/m-Xylene	ND	0.400	0.400	ND	1.74	1.74		1
Bromoform	ND	0.200	0.200	ND	2.07	2.07		1
Styrene	ND	0.200	0.200	ND	0.852	0.852		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ND	1.37	1.37		1
o-Xylene	ND	0.200	0.200	ND	0.869	0.869		1
1,3-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,4-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2,4-Trichlorobenzene	ND	0.200	0.200	ND	1.48	1.48		1
Naphthalene	ND	0.200	0.065	ND	1.05	0.341		1
Hexachlorobutadiene	ND	0.200	0.200	ND	2.13	2.13		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	79		60-140
Bromochloromethane	84		60-140
chlorobenzene-d5	79		60-140

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

SAMPLE RESULTS

Lab ID: L1211737-20
Client ID: AAQ
Sample Location: NEW BEDFORD, MA
Matrix: Air
Anaytical Method: 101,TO15-SIM
Analytical Date: 07/12/12 02:52
Analyst: RY

Date Collected: 06/29/12 15:57
Date Received: 06/29/12
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.020	0.020	ND	0.137	0.137		1
1,1,2-Trichloroethane	ND	0.020	0.020	ND	0.109	0.109		1
1,2-Dibromoethane	ND	0.020	0.020	ND	0.154	0.154		1
1,2-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,2-Dichloroethane	ND	0.020	0.020	ND	0.081	0.081		1
1,2-Dichloropropane	ND	0.020	0.020	ND	0.092	0.092		1
1,3-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,4-Dichlorobenzene	ND	0.020	0.020	ND	0.120	0.120		1
1,4-Dioxane	ND	0.100	0.100	ND	0.360	0.360		1
Bromodichloromethane	ND	0.020	0.020	ND	0.134	0.134		1
Bromomethane	ND	0.020	0.020	ND	0.078	0.078		1
Carbon tetrachloride	0.056	0.020	0.020	0.352	0.126	0.126		1
cis-1,3-Dichloropropene	ND	0.020	0.020	ND	0.091	0.091		1
Dibromochloromethane	ND	0.020	0.020	ND	0.170	0.170		1
Naphthalene	ND	0.050	0.050	ND	0.262	0.262		1
trans-1,3-Dichloropropene	ND	0.020	0.020	ND	0.091	0.091		1
Trichloroethene	0.119	0.020	0.020	0.640	0.107	0.107		1
Vinyl chloride	ND	0.020	0.020	ND	0.051	0.051		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	99		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	97		60-140

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 101,TO-15
Analytical Date: 07/09/12 13:15

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab for sample(s): 01-11,13-14 Batch: WG547181-4								
Vinyl chloride	ND	0.200	0.200	ND	0.511	0.511		1
Bromomethane	ND	0.200	0.200	ND	0.777	0.777		1
Acetone	ND	1.00	1.00	ND	2.38	2.38		1
1,1-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Methylene chloride	ND	1.40	1.40	ND	4.86	4.86		1
trans-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
1,1-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
Methyl tert butyl ether	ND	0.200	0.200	ND	0.721	0.721		1
2-Butanone	ND	0.200	0.200	ND	0.590	0.590		1
cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Chloroform	ND	0.200	0.200	ND	0.977	0.977		1
1,2-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Benzene	ND	0.200	0.200	ND	0.639	0.639		1
Carbon tetrachloride	ND	0.200	0.200	ND	1.26	1.26		1
1,2-Dichloropropane	ND	0.200	0.200	ND	0.924	0.924		1
Bromodichloromethane	ND	0.200	0.200	ND	1.34	1.34		1
1,4-Dioxane	ND	0.200	0.200	ND	0.721	0.721		1
Trichloroethene	ND	0.200	0.200	ND	1.07	1.07		1
cis-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
4-Methyl-2-pentanone	ND	0.200	0.200	ND	0.820	0.820		1
trans-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
1,1,2-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Toluene	ND	0.200	0.200	ND	0.754	0.754		1
Dibromochloromethane	ND	0.200	0.200	ND	1.70	1.70		1

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 101,TO-15
Analytical Date: 07/09/12 13:15

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab for sample(s): 01-11,13-14 Batch: WG547181-4								
1,2-Dibromoethane	ND	0.200	0.200	ND	1.54	1.54		1
Tetrachloroethene	ND	0.200	0.200	ND	1.36	1.36		1
Chlorobenzene	ND	0.200	0.200	ND	0.921	0.921		1
Ethylbenzene	ND	0.200	0.200	ND	0.869	0.869		1
p/m-Xylene	ND	0.400	0.400	ND	1.74	1.74		1
Bromoform	ND	0.200	0.200	ND	2.07	2.07		1
Styrene	ND	0.200	0.200	ND	0.852	0.852		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ND	1.37	1.37		1
o-Xylene	ND	0.200	0.200	ND	0.869	0.869		1
1,3-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,4-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2,4-Trichlorobenzene	ND	0.200	0.200	ND	1.48	1.48		1
Naphthalene	ND	0.200	0.065	ND	1.05	0.340		1
Hexachlorobutadiene	ND	0.200	0.200	ND	2.13	2.13		1

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 101,TO-15
Analytical Date: 07/12/12 15:07

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab for sample(s): 15-20 Batch: WG548078-4								
Vinyl chloride	ND	0.200	0.200	ND	0.511	0.511		1
Bromomethane	ND	0.200	0.200	ND	0.777	0.777		1
Acetone	ND	1.00	1.00	ND	2.38	2.38		1
1,1-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Methylene chloride	ND	1.40	1.40	ND	4.86	4.86		1
trans-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
1,1-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
Methyl tert butyl ether	ND	0.200	0.200	ND	0.721	0.721		1
2-Butanone	ND	0.200	0.200	ND	0.590	0.590		1
cis-1,2-Dichloroethene	ND	0.200	0.200	ND	0.793	0.793		1
Chloroform	ND	0.200	0.200	ND	0.977	0.977		1
1,2-Dichloroethane	ND	0.200	0.200	ND	0.809	0.809		1
1,1,1-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Benzene	ND	0.200	0.200	ND	0.639	0.639		1
Carbon tetrachloride	ND	0.200	0.200	ND	1.26	1.26		1
1,2-Dichloropropane	ND	0.200	0.200	ND	0.924	0.924		1
Bromodichloromethane	ND	0.200	0.200	ND	1.34	1.34		1
1,4-Dioxane	ND	0.200	0.200	ND	0.721	0.721		1
Trichloroethene	ND	0.200	0.200	ND	1.07	1.07		1
cis-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
4-Methyl-2-pentanone	ND	0.200	0.200	ND	0.820	0.820		1
trans-1,3-Dichloropropene	ND	0.200	0.200	ND	0.908	0.908		1
1,1,2-Trichloroethane	ND	0.200	0.200	ND	1.09	1.09		1
Toluene	ND	0.200	0.200	ND	0.754	0.754		1
Dibromochloromethane	ND	0.200	0.200	ND	1.70	1.70		1

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 101,TO-15
Analytical Date: 07/12/12 15:07

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air - Mansfield Lab for sample(s): 15-20 Batch: WG548078-4								
1,2-Dibromoethane	ND	0.200	0.200	ND	1.54	1.54		1
Tetrachloroethene	ND	0.200	0.200	ND	1.36	1.36		1
Chlorobenzene	ND	0.200	0.200	ND	0.921	0.921		1
Ethylbenzene	ND	0.200	0.200	ND	0.869	0.869		1
p/m-Xylene	ND	0.400	0.400	ND	1.74	1.74		1
Bromoform	ND	0.200	0.200	ND	2.07	2.07		1
Styrene	ND	0.200	0.200	ND	0.852	0.852		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.200	ND	1.37	1.37		1
o-Xylene	ND	0.200	0.200	ND	0.869	0.869		1
1,3-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,4-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2-Dichlorobenzene	ND	0.200	0.200	ND	1.20	1.20		1
1,2,4-Trichlorobenzene	ND	0.200	0.200	ND	1.48	1.48		1
Naphthalene	ND	0.200	0.065	ND	1.05	0.340		1
Hexachlorobutadiene	ND	0.200	0.200	ND	2.13	2.13		1

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 101,TO15-SIM
Analytical Date: 07/11/12 15:27

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
MCP Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 15-20 Batch: WG549525-4								
1,1,2,2-Tetrachloroethane	ND	0.020	0.010	ND	0.137	0.069		1
1,1,2-Trichloroethane	ND	0.020	0.010	ND	0.109	0.055		1
1,2-Dibromoethane	ND	0.020	0.010	ND	0.154	0.077		1
1,2-Dichlorobenzene	ND	0.020	0.010	ND	0.120	0.060		1
1,2-Dichloroethane	ND	0.020	0.010	ND	0.081	0.041		1
1,2-Dichloropropane	ND	0.020	0.010	ND	0.092	0.046		1
1,3-Dichlorobenzene	ND	0.020	0.010	ND	0.120	0.060		1
1,4-Dichlorobenzene	ND	0.020	0.010	ND	0.120	0.060		1
1,4-Dioxane	ND	0.100	0.050	ND	0.360	0.180		1
Bromodichloromethane	ND	0.020	0.010	ND	0.134	0.067		1
Bromomethane	ND	0.020	0.010	ND	0.078	0.039		1
Carbon tetrachloride	ND	0.020	0.010	ND	0.126	0.063		1
cis-1,3-Dichloropropene	ND	0.020	0.010	ND	0.091	0.045		1
Dibromochloromethane	ND	0.020	0.010	ND	0.170	0.085		1
Naphthalene	0.027	0.050	0.025	0.142	0.262	0.131	J	1
trans-1,3-Dichloropropene	ND	0.020	0.010	ND	0.091	0.045		1
Trichloroethene	ND	0.020	0.010	ND	0.107	0.054		1
Vinyl chloride	ND	0.020	0.010	ND	0.051	0.026		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744

Lab Number: L1211737
Report Date: 07/20/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11,13-14 Batch: WG547181-3								
Vinyl chloride	92		-		70-130	-		
Bromomethane	92		-		70-130	-		
Acetone	96		-		50-150	-		
1,1-Dichloroethene	98		-		70-130	-		
Methylene chloride	94		-		70-130	-		
trans-1,2-Dichloroethene	91		-		70-130	-		
1,1-Dichloroethane	100		-		70-130	-		
Methyl tert butyl ether	100		-		70-130	-		
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	109		-		70-130	-		
Chloroform	104		-		70-130	-		
1,2-Dichloroethane	103		-		70-130	-		
1,1,1-Trichloroethane	99		-		70-130	-		
Benzene	89		-		70-130	-		
Carbon tetrachloride	104		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	97		-		70-130	-		
1,4-Dioxane	91		-		50-150	-		
Trichloroethene	95		-		70-130	-		
cis-1,3-Dichloropropene	102		-		70-130	-		
4-Methyl-2-pentanone	96		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744

Lab Number: L1211737
Report Date: 07/20/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11,13-14 Batch: WG547181-3								
trans-1,3-Dichloropropene	93		-		70-130	-		
1,1,2-Trichloroethane	95		-		70-130	-		
Toluene	87		-		70-130	-		
Dibromochloromethane	92		-		70-130	-		
1,2-Dibromoethane	92		-		70-130	-		
Tetrachloroethene	93		-		70-130	-		
Chlorobenzene	92		-		70-130	-		
Ethylbenzene	93		-		70-130	-		
p/m-Xylene	96		-		70-130	-		
Bromoform	93		-		70-130	-		
Styrene	94		-		70-130	-		
1,1,2,2-Tetrachloroethane	96		-		70-130	-		
o-Xylene	98		-		70-130	-		
1,3-Dichlorobenzene	100		-		70-130	-		
1,4-Dichlorobenzene	100		-		70-130	-		
1,2-Dichlorobenzene	99		-		70-130	-		
1,2,4-Trichlorobenzene	100		-		50-150	-		
Naphthalene	99		-		50-150	-		
Hexachlorobutadiene	96		-		50-150	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics in Air - Mansfield Lab Associated sample(s): 15-20 Batch: WG548078-3								
Vinyl chloride	84		-		70-130	-		
Bromomethane	82		-		70-130	-		
Acetone	94		-		50-150	-		
1,1-Dichloroethene	84		-		70-130	-		
Methylene chloride	82		-		70-130	-		
trans-1,2-Dichloroethene	76		-		70-130	-		
1,1-Dichloroethane	83		-		70-130	-		
Methyl tert butyl ether	82		-		70-130	-		
2-Butanone	89		-		70-130	-		
cis-1,2-Dichloroethene	90		-		70-130	-		
Chloroform	86		-		70-130	-		
1,2-Dichloroethane	86		-		70-130	-		
1,1,1-Trichloroethane	94		-		70-130	-		
Benzene	84		-		70-130	-		
Carbon tetrachloride	98		-		70-130	-		
1,2-Dichloropropane	90		-		70-130	-		
Bromodichloromethane	93		-		70-130	-		
1,4-Dioxane	96		-		50-150	-		
Trichloroethene	89		-		70-130	-		
cis-1,3-Dichloropropene	91		-		70-130	-		
4-Methyl-2-pentanone	106		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics in Air - Mansfield Lab Associated sample(s): 15-20 Batch: WG548078-3								
trans-1,3-Dichloropropene	81		-		70-130	-		
1,1,2-Trichloroethane	96		-		70-130	-		
Toluene	82		-		70-130	-		
Dibromochloromethane	101		-		70-130	-		
1,2-Dibromoethane	90		-		70-130	-		
Tetrachloroethene	87		-		70-130	-		
Chlorobenzene	87		-		70-130	-		
Ethylbenzene	87		-		70-130	-		
p/m-Xylene	86		-		70-130	-		
Bromoform	90		-		70-130	-		
Styrene	90		-		70-130	-		
1,1,2,2-Tetrachloroethane	96		-		70-130	-		
o-Xylene	92		-		70-130	-		
1,3-Dichlorobenzene	92		-		70-130	-		
1,4-Dichlorobenzene	92		-		70-130	-		
1,2-Dichlorobenzene	94		-		70-130	-		
1,2,4-Trichlorobenzene	104		-		50-150	-		
Naphthalene	93		-		50-150	-		
Hexachlorobutadiene	99		-		50-150	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744
Lab Number: L1211737
Report Date: 07/20/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 15-20 Batch: WG549525-3								
1,1,2,2-Tetrachloroethane	108		-		70-130	-		
1,1,2-Trichloroethane	95		-		70-130	-		
1,2-Dibromoethane	99		-		70-130	-		
1,2-Dichlorobenzene	109		-		70-130	-		
1,2-Dichloroethane	94		-		70-130	-		
1,2-Dichloropropane	87		-		70-130	-		
1,3-Dichlorobenzene	107		-		70-130	-		
1,4-Dichlorobenzene	108		-		70-130	-		
1,4-Dioxane	96		-		50-150	-		
Bromodichloromethane	94		-		70-130	-		
Bromomethane	101		-		70-130	-		
Carbon tetrachloride	92		-		70-130	-		
cis-1,3-Dichloropropene	92		-		70-130	-		
Dibromochloromethane	106		-		70-130	-		
Naphthalene	99		-		50-150	-		
trans-1,3-Dichloropropene	76		-		70-130	-		
Trichloroethene	93		-		70-130	-		
Vinyl chloride	98		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744

Lab Number: L1211737
Report Date: 07/20/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
MCP Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11,13-14 QC Batch ID: WG547181-5 QC Sample: L1211737-03 Client ID: 362-COFFIN-1						
Vinyl chloride	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Acetone	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	ND	ND	ppbV	NC		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	0.586	0.588	ppbV	0		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25
1,2-Dichloropropane	ND	ND	ppbV	NC		25
Bromodichloromethane	ND	ND	ppbV	NC		25
1,4-Dioxane	ND	ND	ppbV	NC		25
Trichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744

Lab Number: L1211737
Report Date: 07/20/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
MCP Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11,13-14 QC Batch ID: WG547181-5 QC Sample: L1211737-03 Client ID: 362-COFFIN-1					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744

Lab Number: L1211737
Report Date: 07/20/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
MCP Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-11,13-14 QC Batch ID: WG547181-5 QC Sample: L1211737-03 Client ID: 362-COFFIN-1					
Naphthalene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744

Lab Number: L1211737
Report Date: 07/20/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
MCP Volatile Organics in Air - Mansfield Lab Associated sample(s): 15-20 QC Batch ID: WG548078-5 QC Sample: L1211737-16 Client ID: TM IAQ-B					
Vinyl chloride	ND	ND	ppbV	NC	25
Bromomethane	ND	ND	ppbV	NC	25
Acetone	14.6	14.9	ppbV	2	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
Methylene chloride	ND	ND	ppbV	NC	25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
2-Butanone	3.53	3.11	ppbV	13	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
1,1,1-Trichloroethane	0.209	0.202	ppbV	3	25
Benzene	0.252	0.245	ppbV	3	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Trichloroethene	0.237	0.262	ppbV	10	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744

Lab Number: L1211737
Report Date: 07/20/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
MCP Volatile Organics in Air - Mansfield Lab Associated sample(s): 15-20 QC Batch ID: WG548078-5 QC Sample: L1211737-16 Client ID: TM IAQ-B					
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	2.24	2.17	ppbV	3	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.273	0.261	ppbV	4	25
p/m-Xylene	0.922	0.882	ppbV	4	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	0.327	0.323	ppbV	1	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744

Lab Number: L1211737
Report Date: 07/20/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
MCP Volatile Organics in Air - Mansfield Lab Associated sample(s): 15-20 QC Batch ID: WG548078-5 QC Sample: L1211737-16 Client ID: TM IAQ-B					
Naphthalene	0.153J	0.160J	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-01	Date Collected:	06/28/12 10:06
Client ID:	364-COFFIN-1	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	07/10/12 18:21		
Analyst:	MB		

Quality Control Information

Sample Type:	200 ml/minute Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	ND		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	37		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	ND		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	2.5		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	110		ug/m3	14	14.	1
C9-C10 Aromatics Total	ND		ug/m3	10	10.	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	113		50-200
Bromochloromethane	108		50-200
Chlorobenzene-d5	101		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-02	Date Collected:	06/28/12 10:27
Client ID:	364-COFFIN-2	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	07/10/12 18:56		
Analyst:	MB		

Quality Control Information

Sample Type:	200 ml/minute Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	ND		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	36		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	ND		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	ND		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	14.	1
C9-C10 Aromatics Total	ND		ug/m3	10	10.	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	110		50-200
Bromochloromethane	102		50-200
Chlorobenzene-d5	103		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-03 D	Date Collected:	06/28/12 11:25
Client ID:	362-COFFIN-1	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	07/10/12 19:29		
Analyst:	MB		

Quality Control Information

Sample Type:	200 ml/minute Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	4.0	4.0	2
Methyl tert butyl ether	ND		ug/m3	4.0	4.0	2
Benzene	ND		ug/m3	4.0	4.0	2
Toluene	ND		ug/m3	4.0	4.0	2
C5-C8 Aliphatics, Adjusted	150		ug/m3	24	24.	2
Ethylbenzene	ND		ug/m3	4.0	4.0	2
p/m-Xylene	ND		ug/m3	8.0	8.0	2
o-Xylene	ND		ug/m3	4.0	4.0	2
Naphthalene	ND		ug/m3	4.0	4.0	2
C9-C12 Aliphatics, Adjusted	ND		ug/m3	28	28.	2
C9-C10 Aromatics Total	ND		ug/m3	20	20.	2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	116		50-200
Bromochloromethane	107		50-200
Chlorobenzene-d5	104		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-04	Date Collected:	06/28/12 11:54
Client ID:	362-COFFIN-2	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	07/10/12 20:04		
Analyst:	MB		

Quality Control Information

Sample Type:	200 ml/minute Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	ND		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	27		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	ND		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	ND		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	14.	1
C9-C10 Aromatics Total	ND		ug/m3	10	10.	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	115		50-200
Bromochloromethane	111		50-200
Chlorobenzene-d5	102		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-05 D	Date Collected:	06/28/12 13:42
Client ID:	357-COFFIN-2	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	07/10/12 20:38		
Analyst:	MB		

Quality Control Information

Sample Type:	200 ml/minute Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	6.6	6.6	3.3
Methyl tert butyl ether	ND		ug/m3	6.6	6.6	3.3
Benzene	ND		ug/m3	6.6	6.6	3.3
Toluene	ND		ug/m3	6.6	6.6	3.3
C5-C8 Aliphatics, Adjusted	50		ug/m3	40	40.	3.3
Ethylbenzene	ND		ug/m3	6.6	6.6	3.3
p/m-Xylene	ND		ug/m3	13	13.	3.3
o-Xylene	ND		ug/m3	6.6	6.6	3.3
Naphthalene	ND		ug/m3	6.6	6.6	3.3
C9-C12 Aliphatics, Adjusted	47		ug/m3	46	46.	3.3
C9-C10 Aromatics Total	ND		ug/m3	33	33.	3.3

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	121		50-200
Bromochloromethane	113		50-200
Chlorobenzene-d5	105		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-06	Date Collected:	06/28/12 14:08
Client ID:	357-COFFIN-1	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	07/10/12 21:13		
Analyst:	MB		

Quality Control Information

Sample Type:	200 ml/minute Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	ND		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	61		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	ND		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	ND		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	110		ug/m3	14	14.	1
C9-C10 Aromatics Total	ND		ug/m3	10	10.	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	107		50-200
Bromochloromethane	101		50-200
Chlorobenzene-d5	97		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-07 D	Date Collected:	06/28/12 15:06
Client ID:	6-ONEKO-1	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	07/10/12 21:47		
Analyst:	MB		

Quality Control Information

Sample Type:	200 ml/minute Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	6.6	6.6	3.3
Methyl tert butyl ether	ND		ug/m3	6.6	6.6	3.3
Benzene	ND		ug/m3	6.6	6.6	3.3
Toluene	ND		ug/m3	6.6	6.6	3.3
C5-C8 Aliphatics, Adjusted	41		ug/m3	40	40.	3.3
Ethylbenzene	ND		ug/m3	6.6	6.6	3.3
p/m-Xylene	ND		ug/m3	13	13.	3.3
o-Xylene	ND		ug/m3	6.6	6.6	3.3
Naphthalene	ND		ug/m3	6.6	6.6	3.3
C9-C12 Aliphatics, Adjusted	ND		ug/m3	46	46.	3.3
C9-C10 Aromatics Total	ND		ug/m3	33	33.	3.3

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	109		50-200
Bromochloromethane	107		50-200
Chlorobenzene-d5	100		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-08 D	Date Collected:	06/28/12 00:00
Client ID:	DUP-1	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	07/10/12 22:54		
Analyst:	MB		

Quality Control Information

Sample Type:	200 ml/minute Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	6.6	6.6	3.3
Methyl tert butyl ether	ND		ug/m3	6.6	6.6	3.3
Benzene	ND		ug/m3	6.6	6.6	3.3
Toluene	ND		ug/m3	6.6	6.6	3.3
C5-C8 Aliphatics, Adjusted	81		ug/m3	40	40.	3.3
Ethylbenzene	ND		ug/m3	6.6	6.6	3.3
p/m-Xylene	ND		ug/m3	13	13.	3.3
o-Xylene	ND		ug/m3	6.6	6.6	3.3
Naphthalene	ND		ug/m3	6.6	6.6	3.3
C9-C12 Aliphatics, Adjusted	ND		ug/m3	46	46.	3.3
C9-C10 Aromatics Total	ND		ug/m3	33	33.	3.3

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		50-200
Bromochloromethane	96		50-200
Chlorobenzene-d5	90		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-09 D	Date Collected:	06/28/12 15:30
Client ID:	6-ONEKO-2	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	07/10/12 23:28		
Analyst:	MB		

Quality Control Information

Sample Type:	200 ml/minute Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	4.0	4.0	2
Methyl tert butyl ether	ND		ug/m3	4.0	4.0	2
Benzene	ND		ug/m3	4.0	4.0	2
Toluene	ND		ug/m3	4.0	4.0	2
C5-C8 Aliphatics, Adjusted	ND		ug/m3	24	24.	2
Ethylbenzene	ND		ug/m3	4.0	4.0	2
p/m-Xylene	ND		ug/m3	8.0	8.0	2
o-Xylene	ND		ug/m3	4.0	4.0	2
Naphthalene	ND		ug/m3	4.0	4.0	2
C9-C12 Aliphatics, Adjusted	37		ug/m3	28	28.	2
C9-C10 Aromatics Total	ND		ug/m3	20	20.	2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	104		50-200
Bromochloromethane	100		50-200
Chlorobenzene-d5	98		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-10	Date Collected:	06/29/12 09:58
Client ID:	358-COFFIN-2	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	07/11/12 00:02		
Analyst:	MB		

Quality Control Information

Sample Type:	200 ml/minute Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	ND		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	22		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	ND		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	ND		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	14.	1
C9-C10 Aromatics Total	ND		ug/m3	10	10.	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	112		50-200
Bromochloromethane	109		50-200
Chlorobenzene-d5	100		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-11 D	Date Collected:	06/29/12 10:18
Client ID:	358-COFFIN-1	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	07/11/12 00:36		
Analyst:	MB		

Quality Control Information

Sample Type:	200 ml/minute Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	4.0	4.0	2
Methyl tert butyl ether	ND		ug/m3	4.0	4.0	2
Benzene	ND		ug/m3	4.0	4.0	2
Toluene	ND		ug/m3	4.0	4.0	2
C5-C8 Aliphatics, Adjusted	42		ug/m3	24	24.	2
Ethylbenzene	ND		ug/m3	4.0	4.0	2
p/m-Xylene	ND		ug/m3	8.0	8.0	2
o-Xylene	ND		ug/m3	4.0	4.0	2
Naphthalene	ND		ug/m3	4.0	4.0	2
C9-C12 Aliphatics, Adjusted	ND		ug/m3	28	28.	2
C9-C10 Aromatics Total	ND		ug/m3	20	20.	2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	118		50-200
Bromochloromethane	111		50-200
Chlorobenzene-d5	103		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-13	Date Collected:	06/29/12 14:50
Client ID:	10-ONEKO-1	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	07/11/12 01:11		
Analyst:	MB		

Quality Control Information

Sample Type:	200 ml/minute Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	ND		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	61		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	ND		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	ND		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	150		ug/m3	14	14.	1
C9-C10 Aromatics Total	ND		ug/m3	10	10.	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	111		50-200
Bromochloromethane	106		50-200
Chlorobenzene-d5	99		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-14 D	Date Collected:	06/29/12 16:56
Client ID:	TM-1	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Soil_Vapor		
Analytical Method:	96,APH		
Analytical Date:	07/11/12 01:46		
Analyst:	MB		

Quality Control Information

Sample Type:	200 ml/minute Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	3.4	3.4	1.7
Methyl tert butyl ether	ND		ug/m3	3.4	3.4	1.7
Benzene	7.0		ug/m3	3.4	3.4	1.7
Toluene	5.5		ug/m3	3.4	3.4	1.7
C5-C8 Aliphatics, Adjusted	28		ug/m3	20	20.	1.7
Ethylbenzene	ND		ug/m3	3.4	3.4	1.7
p/m-Xylene	ND		ug/m3	6.8	6.8	1.7
o-Xylene	ND		ug/m3	3.4	3.4	1.7
Naphthalene	48		ug/m3	3.4	3.4	1.7
C9-C12 Aliphatics, Adjusted	74		ug/m3	24	24.	1.7
C9-C10 Aromatics Total	24		ug/m3	17	17.	1.7

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	116		50-200
Bromochloromethane	111		50-200
Chlorobenzene-d5	102		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-15	Date Collected:	06/29/12 14:53
Client ID:	TM IAQ-1	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	07/11/12 23:22		
Analyst:	RY		

Quality Control Information

Sample Type:	4 Hour Composite
Sample Container Type:	Canister - 6 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	60%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	3.3		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	130		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	ND		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	ND		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	68		ug/m3	14	14.	1
C9-C10 Aromatics Total	ND		ug/m3	10	10.	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		50-200
Bromochloromethane	110		50-200
Chlorobenzene-d5	99		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-16	Date Collected:	06/29/12 15:01
Client ID:	TM IAQ-B	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	07/12/12 00:31		
Analyst:	RY		

Quality Control Information

Sample Type:	4 Hour Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	9.6		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	84		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	4.1		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	ND		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	40		ug/m3	14	14.	1
C9-C10 Aromatics Total	13		ug/m3	10	10.	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		50-200
Bromochloromethane	100		50-200
Chlorobenzene-d5	94		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-17	Date Collected:	06/29/12 04:01
Client ID:	IAQ-DUP	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	07/12/12 01:06		
Analyst:	RY		

Quality Control Information

Sample Type:	4 Hour Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	9.9		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	90		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	4.2		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	ND		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	40		ug/m3	14	14.	1
C9-C10 Aromatics Total	14		ug/m3	10	10.	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	96		50-200
Bromochloromethane	104		50-200
Chlorobenzene-d5	97		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-18	Date Collected:	06/29/12 15:35
Client ID:	TM-CRAWLSPACE-2	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	07/12/12 01:41		
Analyst:	RY		

Quality Control Information

Sample Type:	4 Hour Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	4.5		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	55		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	ND		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	ND		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	23		ug/m3	14	14.	1
C9-C10 Aromatics Total	ND		ug/m3	10	10.	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	107		50-200
Bromochloromethane	112		50-200
Chlorobenzene-d5	100		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-19	Date Collected:	06/29/12 15:32
Client ID:	TM-CRAWLSPACE-1	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	07/12/12 02:16		
Analyst:	RY		

Quality Control Information

Sample Type:	4 Hour Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	3.6		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	48		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	ND		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	ND		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	16		ug/m3	14	14.	1
C9-C10 Aromatics Total	ND		ug/m3	10	10.	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		50-200
Bromochloromethane	99		50-200
Chlorobenzene-d5	93		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

SAMPLE RESULTS

Lab ID:	L1211737-20	Date Collected:	06/29/12 15:57
Client ID:	AAQ	Date Received:	06/29/12
Sample Location:	NEW BEDFORD, MA	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	07/12/12 02:52		
Analyst:	RY		

Quality Control Information

Sample Type:	4 Hour Composite
Sample Container Type:	Canister - 2.7 Liter
Sampling Flow Controller:	Mechanical
Sampling Zone:	Unknown
Sampling Flow Meter RPD of pre & post-sampling calibration check:	<=20%
Were all QA/QC procedures REQUIRED by the method followed?	Yes
Were all performance/acceptance standards for the required procedures achieved?	Yes
Were significant modifications made to the method as specified in Sect 11.1.2?	No

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	2.3		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	24		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	ND		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	ND		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	14.	1
C9-C10 Aromatics Total	ND		ug/m3	10	10.	1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		50-200
Bromochloromethane	107		50-200
Chlorobenzene-d5	96		50-200

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 96,APH
Analytical Date: 07/10/12 16:51
Analyst: MB

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbons in Air - Mansfield Lab for sample(s): 01-11,13-14 Batch: WG547492-4					
1,3-Butadiene	ND		ug/m3	2.0	2.0
Methyl tert butyl ether	ND		ug/m3	2.0	2.0
Benzene	ND		ug/m3	2.0	2.0
Toluene	ND		ug/m3	2.0	2.0
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	12.
Ethylbenzene	ND		ug/m3	2.0	2.0
p/m-Xylene	ND		ug/m3	4.0	4.0
o-Xylene	ND		ug/m3	2.0	2.0
Naphthalene	ND		ug/m3	2.0	2.0
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	14.
C9-C10 Aromatics Total	ND		ug/m3	10	10.

Project Name: FORMER PAYNE CUTLERY **Lab Number:** L1211737

Project Number: 172744 **Report Date:** 07/20/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 96,APH
Analytical Date: 07/11/12 15:27
Analyst: RY

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbons in Air - Mansfield Lab for sample(s): 15-20 Batch: WG547779-4					
1,3-Butadiene	ND		ug/m3	2.0	2.0
Methyl tert butyl ether	ND		ug/m3	2.0	2.0
Benzene	ND		ug/m3	2.0	2.0
Toluene	ND		ug/m3	2.0	2.0
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	12.
Ethylbenzene	ND		ug/m3	2.0	2.0
p/m-Xylene	ND		ug/m3	4.0	4.0
o-Xylene	ND		ug/m3	2.0	2.0
Naphthalene	ND		ug/m3	2.0	2.0
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	14.
C9-C10 Aromatics Total	ND		ug/m3	10	10.

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER PAYNE CUTLERY

Project Number: 172744

Lab Number: L1211737

Report Date: 07/20/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 01-11,13-14 Batch: WG547492-3								
1,3-Butadiene	79		-		70-130	-		
Methyl tert butyl ether	84		-		70-130	-		
Benzene	98		-		70-130	-		
Toluene	107		-		70-130	-		
C5-C8 Aliphatics, Adjusted	102		-		70-130	-		
Ethylbenzene	102		-		70-130	-		
p/m-Xylene	102		-		70-130	-		
o-Xylene	108		-		70-130	-		
Naphthalene	123		-		50-150	-		
C9-C12 Aliphatics, Adjusted	104		-		70-130	-		
C9-C10 Aromatics Total	98		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744

Lab Number: L1211737
Report Date: 07/20/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 15-20 Batch: WG547779-3								
1,3-Butadiene	79		-		70-130	-		
Methyl tert butyl ether	82		-		70-130	-		
Benzene	99		-		70-130	-		
Toluene	107		-		70-130	-		
C5-C8 Aliphatics, Adjusted	101		-		70-130	-		
Ethylbenzene	111		-		70-130	-		
p/m-Xylene	111		-		70-130	-		
o-Xylene	115		-		70-130	-		
Naphthalene	142		-		50-150	-		
C9-C12 Aliphatics, Adjusted	113		-		70-130	-		
C9-C10 Aromatics Total	108		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744

Lab Number: L1211737
Report Date: 07/20/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 01-11,13-14 QC Batch ID: WG547492-5 QC Sample: L1211737-07 Client ID: 6-ONEKO-1						
1,3-Butadiene	ND	ND	ug/m3	NC		30
Methyl tert butyl ether	ND	ND	ug/m3	NC		30
Benzene	ND	ND	ug/m3	NC		30
Toluene	ND	ND	ug/m3	NC		30
C5-C8 Aliphatics, Adjusted	41.	46	ug/m3	11		30
Ethylbenzene	ND	ND	ug/m3	NC		30
p/m-Xylene	ND	ND	ug/m3	NC		30
o-Xylene	ND	ND	ug/m3	NC		30
Naphthalene	ND	ND	ug/m3	NC		30
C9-C12 Aliphatics, Adjusted	ND	ND	ug/m3	NC		30
C9-C10 Aromatics Total	ND	ND	ug/m3	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744

Lab Number: L1211737
Report Date: 07/20/12

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Petroleum Hydrocarbons in Air - Mansfield Lab Associated sample(s): 15-20 QC Batch ID: WG547779-5 QC Sample: L1211737-15 Client ID: TM IAQ-1					
1,3-Butadiene	ND	ND	ug/m3	NC	30
Methyl tert butyl ether	ND	ND	ug/m3	NC	30
Benzene	ND	ND	ug/m3	NC	30
Toluene	3.3	3.3	ug/m3	0	30
C5-C8 Aliphatics, Adjusted	130	130	ug/m3	0	30
Ethylbenzene	ND	ND	ug/m3	NC	30
p/m-Xylene	ND	ND	ug/m3	NC	30
o-Xylene	ND	ND	ug/m3	NC	30
Naphthalene	ND	ND	ug/m3	NC	30
C9-C12 Aliphatics, Adjusted	68.	69	ug/m3	1	30
C9-C10 Aromatics Total	ND	ND	ug/m3	NC	30

Project Name: FORMER PAYNE CUTLERY

Lab Number: L1211737

Project Number: 172744

Report Date: 07/20/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1211737-01	364-COFFIN-1	0161	#90 SV	06/27/12	78957		-	-	-	Pass	200	208	4
L1211737-01	364-COFFIN-1	116	2.7L Can	06/27/12	78957	L1209195-04	Pass	-29.0	-3.8	-	-	-	-
L1211737-02	364-COFFIN-2	0078	#16 SV	06/27/12	78957		-	-	-	Pass	200	208	4
L1211737-02	364-COFFIN-2	1749	2.7L Can	06/27/12	78957	L1209195-04	Pass	-29.6	-2.3	-	-	-	-
L1211737-03	362-COFFIN-1	0256	#90 SV	06/27/12	78957		-	-	-	Pass	200	214	7
L1211737-03	362-COFFIN-1	444	2.7L Can	06/27/12	78957	L1209195-04	Pass	-29.6	-3.2	-	-	-	-
L1211737-04	362-COFFIN-2	0178	#30 AMB	06/27/12	78957		-	-	-	Pass	200	213	6
L1211737-04	362-COFFIN-2	520	2.7L Can	06/27/12	78957	L1209195-04	Pass	-29.6	-3.5	-	-	-	-
L1211737-05	357-COFFIN-2	0337	#90 SV	06/27/12	78957		-	-	-	Pass	200	204	2
L1211737-05	357-COFFIN-2	496	2.7L Can	06/27/12	78957	L1209195-04	Pass	-29.6	-3.4	-	-	-	-
L1211737-06	357-COFFIN-1	0250	#90 AMB	06/27/12	78957		-	-	-	-	195	196	1
L1211737-06	357-COFFIN-1	337	2.7L Can	06/27/12	78957	L1209195-04	Pass	-29.6	-3.8	-	-	-	-
L1211737-07	6-ONEKO-1	0444	#90 SV	06/27/12	78957		-	-	-	Pass	200	211	5
L1211737-07	6-ONEKO-1	1718	2.7L Can	06/27/12	78957	L1207623-04	Pass	-29.3	-3.5	-	-	-	-
L1211737-08	DUP-1	0247	#90 SV	06/27/12	78957		-	-	-	Pass	200	209	4

Project Name: FORMER PAYNE CUTLERY

Lab Number: L1211737

Project Number: 172744

Report Date: 07/20/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1211737-08	DUP-1	495	2.7L Can	06/27/12	78957	L1207623-04	Pass	-28.3	-6.6	-	-	-	-
L1211737-09	6-ONEKO-2	0181	#16 AMB	06/27/12	78957		-	-	-	Pass	200	210	5
L1211737-09	6-ONEKO-2	513	2.7L Can	06/27/12	78957	L1209195-04	Pass	-29.5	-3.8	-	-	-	-
L1211737-10	358-COFFIN-2	0208	#90 SV	06/27/12	78957		-	-	-	Pass	200	211	5
L1211737-10	358-COFFIN-2	424	2.7L Can	06/27/12	78957	L1209195-04	Pass	-29.5	-0.1	-	-	-	-
L1211737-11	358-COFFIN-1	0342	#90 SV	06/27/12	78957		-	-	-	-	200	204	2
L1211737-11	358-COFFIN-1	540	2.7L Can	06/27/12	78957	L1207623-04	Pass	-29.6	-2.7	-	-	-	-
L1211737-12	10-ONEKO-2	0037	#90 SV	06/27/12	78957		-	-	-	Pass	200	22	160
L1211737-12	10-ONEKO-2	164	2.7L Can	06/27/12	78957	L1209195-04	Pass	-29.6	-6.5	-	-	-	-
L1211737-13	10-ONEKO-1	0003	#90 SV	06/27/12	78957		-	-	-	Pass	200	200	0
L1211737-13	10-ONEKO-1	1738	2.7L Can	06/27/12	78957	L1209195-04	Pass	-29.6	-4.8	-	-	-	-
L1211737-14	TM-1	0298	#90 SV	06/27/12	78957		-	-	-	Pass	200	206	3
L1211737-14	TM-1	501	2.7L Can	06/27/12	78957	L1209195-04	Pass	-29.3	-3.5	-	-	-	-
L1211737-15	TM IAQ-1	0094	#30 AMB	06/27/12	78957		-	-	-	Pass	20.0	37.0	60
L1211737-15	TM IAQ-1	1621	6.0L Can	06/27/12	78957	L1209903-03	Pass	-29.3	-0.4	-	-	-	-

Project Name: FORMER PAYNE CUTLERY

Lab Number: L1211737

Project Number: 172744

Report Date: 07/20/12

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1211737-16	TM IAQ-B	0352	#30 AMB	06/27/12	78957		-	-	-	Pass	20.0	20.5	2
L1211737-16	TM IAQ-B	599	6.0L Can	06/27/12	78957	L1209903-03	Pass	-29.3	-4.8	-	-	-	-
L1211737-17	IAQ-DUP	0041	#30 AMB	06/27/12	78957		-	-	-	Pass	20.0	21.3	6
L1211737-17	IAQ-DUP	619	6.0L Can	06/27/12	78957	L1209903-03	Pass	-29.8	-2.5	-	-	-	-
L1211737-18	TM-CRAWLSPACE-2	0401	#20 AMB	06/27/12	78957		-	-	-	Pass	19.5	19.5	0
L1211737-18	TM-CRAWLSPACE-2	1565	6.0L Can	06/27/12	78957	L1209903-03	Pass	-29.3	-5.5	-	-	-	-
L1211737-19	TM-CRAWLSPACE-1	0374	#30 AMB	06/27/12	78957		-	-	-	Pass	19.9	22.8	14
L1211737-19	TM-CRAWLSPACE-1	1060	6.0L Can	06/27/12	78957	L1209903-03	Pass	-29.8	-2.0	-	-	-	-
L1211737-20	AAQ	0458	#30 AMB	06/27/12	78957		-	-	-	Pass	19.7	19.7	0
L1211737-20	AAQ	1714	6.0L Can	06/27/12	78957	L1209903-03	Pass	-29.5	-7.5	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1207623

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID:	L1207623-04	Date Collected:	05/01/12 15:28
Client ID:	CAN 211 SHELF 9	Date Received:	05/02/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	05/04/12 19:51		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.063	ND	0.707	0.223		1
Propylene	ND	0.500	0.093	ND	0.860	0.160		1
Propane	ND	0.200	0.069	ND	0.361	0.124		1
Dichlorodifluoromethane	ND	0.200	0.047	ND	0.989	0.232		1
Chloromethane	ND	0.200	0.096	ND	0.413	0.198		1
Freon-114	ND	0.200	0.038	ND	1.40	0.266		1
Vinyl chloride	ND	0.200	0.029	ND	0.511	0.074		1
1,3-Butadiene	ND	0.200	0.080	ND	0.442	0.177		1
Butane	ND	0.200	0.050	ND	0.475	0.119		1
Bromomethane	ND	0.200	0.037	ND	0.777	0.144		1
Chloroethane	ND	0.200	0.077	ND	0.528	0.203		1
Ethanol	ND	2.50	0.542	ND	4.71	1.02		1
Dichlorofluoromethane	ND	0.200	0.057	ND	0.842	0.240		1
Vinyl bromide	ND	0.200	0.070	ND	0.874	0.306		1
Acrolein	ND	0.500	0.114	ND	1.15	0.261		1
Acetone	ND	1.00	0.078	ND	2.38	0.185		1
Acetonitrile	ND	0.200	0.076	ND	0.336	0.128		1
Trichlorofluoromethane	ND	0.200	0.040	ND	1.12	0.225		1
Isopropanol	ND	0.500	0.119	ND	1.23	0.292		1
Acrylonitrile	ND	0.200	0.080	ND	0.434	0.174		1
Pentane	ND	0.200	0.047	ND	0.590	0.139		1
Ethyl ether	ND	0.200	0.079	ND	0.606	0.239		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.226		1
Tertiary butyl Alcohol	ND	0.500	0.071	ND	1.52	0.215		1
Methylene chloride	ND	1.00	0.250	ND	3.47	0.868		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1207623

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1207623-04 Date Collected: 05/01/12 15:28

Client ID: CAN 211 SHELF 9 Date Received: 05/02/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
3-Chloropropene	ND	0.200	0.081	ND	0.626	0.254		1
Carbon disulfide	ND	0.200	0.033	ND	0.623	0.103		1
Freon-113	ND	0.200	0.051	ND	1.53	0.391		1
trans-1,2-Dichloroethene	ND	0.200	0.074	ND	0.793	0.293		1
1,1-Dichloroethane	ND	0.200	0.077	ND	0.809	0.312		1
Methyl tert butyl ether	ND	0.200	0.057	ND	0.721	0.206		1
Vinyl acetate	ND	0.200	0.068	ND	0.704	0.239		1
2-Butanone	ND	0.200	0.072	ND	0.590	0.212		1
cis-1,2-Dichloroethene	ND	0.200	0.059	ND	0.793	0.234		1
Ethyl Acetate	ND	0.500	0.151	ND	1.80	0.544		1
Chloroform	ND	0.200	0.043	ND	0.977	0.210		1
Tetrahydrofuran	ND	0.200	0.080	ND	0.590	0.236		1
2,2-Dichloropropane	ND	0.200	0.058	ND	0.924	0.268		1
1,2-Dichloroethane	ND	0.200	0.055	ND	0.809	0.223		1
n-Hexane	ND	0.200	0.078	ND	0.705	0.275		1
Diisopropyl ether	ND	0.200	0.066	ND	0.836	0.276		1
tert-Butyl Ethyl Ether	ND	0.200	0.065	ND	0.836	0.272		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.333		1
1,1-Dichloropropene	ND	0.200	0.072	ND	0.908	0.327		1
Benzene	ND	0.200	0.054	ND	0.639	0.172		1
Carbon tetrachloride	ND	0.200	0.052	ND	1.26	0.327		1
Cyclohexane	ND	0.200	0.077	ND	0.688	0.265		1
tert-Amyl Methyl Ether	ND	0.200	0.080	ND	0.836	0.334		1
Dibromomethane	ND	0.200	0.068	ND	1.42	0.483		1
1,2-Dichloropropane	ND	0.200	0.070	ND	0.924	0.324		1
Bromodichloromethane	ND	0.200	0.066	ND	1.34	0.442		1
1,4-Dioxane	ND	0.200	0.078	ND	0.721	0.281		1
Trichloroethene	ND	0.200	0.071	ND	1.07	0.382		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1207623

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1207623-04 Date Collected: 05/01/12 15:28

Client ID: CAN 211 SHELF 9 Date Received: 05/02/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	0.066	ND	0.934	0.308		1
Heptane	ND	0.200	0.055	ND	0.820	0.225		1
cis-1,3-Dichloropropene	ND	0.200	0.075	ND	0.908	0.340		1
4-Methyl-2-pentanone	ND	0.200	0.074	ND	0.820	0.303		1
trans-1,3-Dichloropropene	ND	0.200	0.069	ND	0.908	0.313		1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.366		1
Toluene	ND	0.200	0.063	ND	0.754	0.237		1
1,3-Dichloropropane	ND	0.200	0.078	ND	0.924	0.360		1
2-Hexanone	ND	0.200	0.060	ND	0.820	0.246		1
Dibromochloromethane	ND	0.200	0.075	ND	1.70	0.639		1
1,2-Dibromoethane	ND	0.200	0.078	ND	1.54	0.599		1
Butyl acetate	ND	0.500	0.101	ND	2.38	0.480		1
Octane	ND	0.200	0.060	ND	0.934	0.280		1
Tetrachloroethene	ND	0.200	0.076	ND	1.36	0.515		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.378		1
Chlorobenzene	ND	0.200	0.079	ND	0.921	0.364		1
Ethylbenzene	ND	0.200	0.056	ND	0.869	0.243		1
p/m-Xylene	ND	0.400	0.139	ND	1.74	0.604		1
Bromoform	ND	0.200	0.052	ND	2.07	0.538		1
Styrene	ND	0.200	0.080	ND	0.852	0.341		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.378		1
o-Xylene	ND	0.200	0.063	ND	0.869	0.274		1
1,2,3-Trichloropropane	ND	0.200	0.077	ND	1.20	0.464		1
Nonane	ND	0.200	0.061	ND	1.05	0.320		1
Isopropylbenzene	ND	0.200	0.053	ND	0.983	0.260		1
Bromobenzene	ND	0.200	0.079	ND	0.793	0.313		1
2-Chlorotoluene	ND	0.200	0.065	ND	1.04	0.336		1
n-Propylbenzene	ND	0.200	0.054	ND	0.983	0.265		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1207623

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1207623-04 Date Collected: 05/01/12 15:28

Client ID: CAN 211 SHELF 9 Date Received: 05/02/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
4-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
4-Ethyltoluene	ND	0.200	0.078	ND	0.983	0.383		1
1,3,5-Trimethybenzene	ND	0.200	0.058	ND	0.983	0.285		1
tert-Butylbenzene	ND	0.200	0.052	ND	1.10	0.285		1
1,2,4-Trimethylbenzene	ND	0.200	0.069	ND	0.983	0.339		1
Decane	ND	0.200	0.048	ND	1.16	0.279		1
Benzyl chloride	ND	0.200	0.064	ND	1.04	0.331		1
1,3-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.385		1
1,4-Dichlorobenzene	ND	0.200	0.048	ND	1.20	0.288		1
sec-Butylbenzene	ND	0.200	0.073	ND	1.10	0.401		1
p-Isopropyltoluene	ND	0.200	0.080	ND	1.10	0.439		1
1,2-Dichlorobenzene	ND	0.200	0.055	ND	1.20	0.331		1
n-Butylbenzene	ND	0.200	0.064	ND	1.10	0.351		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.074	ND	1.93	0.715		1
Undecane	ND	0.200	0.053	ND	1.28	0.339		1
Dodecane	ND	0.200	0.080	ND	1.39	0.557		1
1,2,4-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.549		1
Naphthalene	ND	0.200	0.065	ND	1.05	0.341		1
1,2,3-Trichlorobenzene	ND	0.200	0.078	ND	1.48	0.579		1
Hexachlorobutadiene	ND	0.200	0.075	ND	2.13	0.800		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	89		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1207623

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID:	L1207623-04	Date Collected:	05/01/12 15:28
Client ID:	CAN 211 SHELF 9	Date Received:	05/02/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	05/04/12 16:32		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	0.006	ND	0.247	0.030		1
Chloromethane	ND	0.500	0.048	ND	1.03	0.099		1
Freon-114	ND	0.050	0.005	ND	0.349	0.035		1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013		1
Bromomethane	ND	0.020	0.008	ND	0.078	0.031		1
Chloroethane	ND	0.020	0.007	ND	0.053	0.019		1
Acetone	ND	2.00	0.739	ND	4.75	1.76		1
Trichlorofluoromethane	ND	0.050	0.008	ND	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.08	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	ND	1.00	0.250	ND	3.47	0.868		1
Freon-113	ND	0.050	0.006	ND	0.383	0.046		1
Halothane	ND	0.050	0.008	ND	0.404	0.065		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	ND	0.500	0.025	ND	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	ND	0.020	0.006	ND	0.098	0.029		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032		1
1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038		1
Benzene	ND	0.100	0.021	ND	0.319	0.067		1
Carbon tetrachloride	ND	0.020	0.008	ND	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1207623

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1207623-04 Date Collected: 05/01/12 15:28

Client ID: CAN 211 SHELF 9 Date Received: 05/02/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
1,4-Dioxane	ND	0.100	0.050	ND	0.360	0.180		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	ND	0.050	0.025	ND	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	ND	0.020	0.007	ND	0.087	0.030		1
p/m-Xylene	ND	0.040	0.009	ND	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	ND	0.020	0.008	ND	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025		1
1,2,4-Trimethylbenzene	ND	0.020	0.007	ND	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1207623

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1207623-04 Date Collected: 05/01/12 15:28

Client ID: CAN 211 SHELF 9 Date Received: 05/02/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	ND	0.050	0.012	ND	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	97		60-140
bromochloromethane	125		60-140
chlorobenzene-d5	93		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209195

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID:	L1209195-04	Date Collected:	05/24/12 14:25
Client ID:	CAN 110 SHELF 16	Date Received:	05/25/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	05/25/12 16:10		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.063	ND	0.707	0.223		1
Propylene	ND	0.500	0.093	ND	0.860	0.160		1
Propane	ND	0.200	0.069	ND	0.361	0.124		1
Dichlorodifluoromethane	ND	0.200	0.047	ND	0.989	0.232		1
Chloromethane	ND	0.200	0.096	ND	0.413	0.198		1
Freon-114	ND	0.200	0.038	ND	1.40	0.266		1
Vinyl chloride	ND	0.200	0.029	ND	0.511	0.074		1
1,3-Butadiene	ND	0.200	0.080	ND	0.442	0.177		1
Butane	ND	0.200	0.050	ND	0.475	0.119		1
Bromomethane	ND	0.200	0.037	ND	0.777	0.144		1
Chloroethane	ND	0.200	0.077	ND	0.528	0.203		1
Ethanol	ND	2.50	0.542	ND	4.71	1.02		1
Dichlorofluoromethane	ND	0.200	0.057	ND	0.842	0.240		1
Vinyl bromide	ND	0.200	0.070	ND	0.874	0.306		1
Acrolein	ND	0.500	0.114	ND	1.15	0.261		1
Acetone	ND	1.00	0.078	ND	2.38	0.185		1
Acetonitrile	ND	0.200	0.076	ND	0.336	0.128		1
Trichlorofluoromethane	ND	0.200	0.040	ND	1.12	0.225		1
Isopropanol	ND	0.500	0.119	ND	1.23	0.292		1
Acrylonitrile	ND	0.200	0.080	ND	0.434	0.174		1
Pentane	ND	0.200	0.047	ND	0.590	0.139		1
Ethyl ether	ND	0.200	0.079	ND	0.606	0.239		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.226		1
Tertiary butyl Alcohol	ND	0.500	0.071	ND	1.52	0.215		1
Methylene chloride	ND	1.00	0.250	ND	3.47	0.868		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209195

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1209195-04 Date Collected: 05/24/12 14:25

Client ID: CAN 110 SHELF 16 Date Received: 05/25/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
3-Chloropropene	ND	0.200	0.081	ND	0.626	0.254		1
Carbon disulfide	ND	0.200	0.033	ND	0.623	0.103		1
Freon-113	ND	0.200	0.051	ND	1.53	0.391		1
trans-1,2-Dichloroethene	ND	0.200	0.074	ND	0.793	0.293		1
1,1-Dichloroethane	ND	0.200	0.077	ND	0.809	0.312		1
Methyl tert butyl ether	ND	0.200	0.057	ND	0.721	0.206		1
Vinyl acetate	ND	0.200	0.068	ND	0.704	0.239		1
2-Butanone	ND	0.200	0.072	ND	0.590	0.212		1
cis-1,2-Dichloroethene	ND	0.200	0.059	ND	0.793	0.234		1
Ethyl Acetate	ND	0.500	0.151	ND	1.80	0.544		1
Chloroform	ND	0.200	0.043	ND	0.977	0.210		1
Tetrahydrofuran	ND	0.200	0.080	ND	0.590	0.236		1
2,2-Dichloropropane	ND	0.200	0.058	ND	0.924	0.268		1
1,2-Dichloroethane	ND	0.200	0.055	ND	0.809	0.223		1
n-Hexane	ND	0.200	0.078	ND	0.705	0.275		1
Diisopropyl ether	ND	0.200	0.066	ND	0.836	0.276		1
tert-Butyl Ethyl Ether	ND	0.200	0.065	ND	0.836	0.272		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.333		1
1,1-Dichloropropene	ND	0.200	0.072	ND	0.908	0.327		1
Benzene	ND	0.200	0.054	ND	0.639	0.172		1
Carbon tetrachloride	ND	0.200	0.052	ND	1.26	0.327		1
Cyclohexane	ND	0.200	0.077	ND	0.688	0.265		1
tert-Amyl Methyl Ether	ND	0.200	0.080	ND	0.836	0.334		1
Dibromomethane	ND	0.200	0.068	ND	1.42	0.483		1
1,2-Dichloropropane	ND	0.200	0.070	ND	0.924	0.324		1
Bromodichloromethane	ND	0.200	0.066	ND	1.34	0.442		1
1,4-Dioxane	ND	0.200	0.078	ND	0.721	0.281		1
Trichloroethene	ND	0.200	0.071	ND	1.07	0.382		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209195

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1209195-04 Date Collected: 05/24/12 14:25

Client ID: CAN 110 SHELF 16 Date Received: 05/25/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	0.066	ND	0.934	0.308		1
Heptane	ND	0.200	0.055	ND	0.820	0.225		1
cis-1,3-Dichloropropene	ND	0.200	0.075	ND	0.908	0.340		1
4-Methyl-2-pentanone	ND	0.200	0.074	ND	0.820	0.303		1
trans-1,3-Dichloropropene	ND	0.200	0.069	ND	0.908	0.313		1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.366		1
Toluene	ND	0.200	0.063	ND	0.754	0.237		1
1,3-Dichloropropane	ND	0.200	0.078	ND	0.924	0.360		1
2-Hexanone	ND	0.200	0.060	ND	0.820	0.246		1
Dibromochloromethane	ND	0.200	0.075	ND	1.70	0.639		1
1,2-Dibromoethane	ND	0.200	0.078	ND	1.54	0.599		1
Butyl acetate	ND	0.500	0.101	ND	2.38	0.480		1
Octane	ND	0.200	0.060	ND	0.934	0.280		1
Tetrachloroethene	ND	0.200	0.076	ND	1.36	0.515		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.378		1
Chlorobenzene	ND	0.200	0.079	ND	0.921	0.364		1
Ethylbenzene	ND	0.200	0.056	ND	0.869	0.243		1
p/m-Xylene	ND	0.400	0.139	ND	1.74	0.604		1
Bromoform	ND	0.200	0.052	ND	2.07	0.538		1
Styrene	ND	0.200	0.080	ND	0.852	0.341		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.378		1
o-Xylene	ND	0.200	0.063	ND	0.869	0.274		1
1,2,3-Trichloropropane	ND	0.200	0.077	ND	1.20	0.464		1
Nonane	ND	0.200	0.061	ND	1.05	0.320		1
Isopropylbenzene	ND	0.200	0.053	ND	0.983	0.260		1
Bromobenzene	ND	0.200	0.079	ND	0.793	0.313		1
2-Chlorotoluene	ND	0.200	0.065	ND	1.04	0.336		1
n-Propylbenzene	ND	0.200	0.054	ND	0.983	0.265		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209195

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1209195-04 Date Collected: 05/24/12 14:25

Client ID: CAN 110 SHELF 16 Date Received: 05/25/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
4-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
4-Ethyltoluene	ND	0.200	0.078	ND	0.983	0.383		1
1,3,5-Trimethybenzene	ND	0.200	0.058	ND	0.983	0.285		1
tert-Butylbenzene	ND	0.200	0.052	ND	1.10	0.285		1
1,2,4-Trimethylbenzene	ND	0.200	0.069	ND	0.983	0.339		1
Decane	ND	0.200	0.048	ND	1.16	0.279		1
Benzyl chloride	ND	0.200	0.064	ND	1.04	0.331		1
1,3-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.385		1
1,4-Dichlorobenzene	ND	0.200	0.048	ND	1.20	0.288		1
sec-Butylbenzene	ND	0.200	0.073	ND	1.10	0.401		1
p-Isopropyltoluene	ND	0.200	0.080	ND	1.10	0.439		1
1,2-Dichlorobenzene	ND	0.200	0.055	ND	1.20	0.331		1
n-Butylbenzene	ND	0.200	0.064	ND	1.10	0.351		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.074	ND	1.93	0.715		1
Undecane	ND	0.200	0.053	ND	1.28	0.339		1
Dodecane	ND	0.200	0.080	ND	1.39	0.557		1
1,2,4-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.549		1
Naphthalene	ND	0.200	0.065	ND	1.05	0.341		1
1,2,3-Trichlorobenzene	ND	0.200	0.078	ND	1.48	0.579		1
Hexachlorobutadiene	ND	0.200	0.075	ND	2.13	0.800		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	100		60-140
Bromochloromethane	102		60-140
chlorobenzene-d5	99		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209195

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID:	L1209195-04	Date Collected:	05/24/12 14:25
Client ID:	CAN 110 SHELF 16	Date Received:	05/25/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	05/25/12 19:31		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	0.006	ND	0.247	0.030		1
Chloromethane	ND	0.500	0.048	ND	1.03	0.099		1
Freon-114	ND	0.050	0.005	ND	0.349	0.035		1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013		1
Bromomethane	ND	0.020	0.008	ND	0.078	0.031		1
Chloroethane	ND	0.020	0.007	ND	0.053	0.019		1
Acetone	ND	2.00	0.739	ND	4.75	1.76		1
Trichlorofluoromethane	ND	0.050	0.008	ND	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.08	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	ND	1.00	0.250	ND	3.47	0.868		1
Freon-113	ND	0.050	0.006	ND	0.383	0.046		1
Halothane	ND	0.050	0.008	ND	0.404	0.065		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	ND	0.500	0.025	ND	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	ND	0.020	0.006	ND	0.098	0.029		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032		1
1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038		1
Benzene	ND	0.100	0.021	ND	0.319	0.067		1
Carbon tetrachloride	ND	0.020	0.008	ND	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209195

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1209195-04 Date Collected: 05/24/12 14:25

Client ID: CAN 110 SHELF 16 Date Received: 05/25/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
1,4-Dioxane	ND	0.100	0.050	ND	0.360	0.180		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	ND	0.050	0.025	ND	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	ND	0.020	0.007	ND	0.087	0.030		1
p/m-Xylene	ND	0.040	0.009	ND	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	ND	0.020	0.008	ND	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025		1
1,2,4-Trimethylbenzene	ND	0.020	0.007	ND	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209195

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1209195-04 Date Collected: 05/24/12 14:25

Client ID: CAN 110 SHELF 16 Date Received: 05/25/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	ND	0.050	0.012	ND	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	87		60-140
bromochloromethane	110		60-140
chlorobenzene-d5	86		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209903

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID:	L1209903-03	Date Collected:	06/05/12 14:33
Client ID:	CAN 1697 SHELF 46	Date Received:	06/06/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15		
Analytical Date:	06/12/12 18:38		
Analyst:	MB		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	0.063	ND	0.707	0.223		1
Propylene	ND	0.500	0.093	ND	0.860	0.160		1
Propane	ND	0.200	0.069	ND	0.361	0.124		1
Dichlorodifluoromethane	ND	0.200	0.047	ND	0.989	0.232		1
Chloromethane	ND	0.200	0.096	ND	0.413	0.198		1
Freon-114	ND	0.200	0.038	ND	1.40	0.266		1
Methanol	ND	5.00	1.12	ND	6.55	1.47		1
Vinyl chloride	ND	0.200	0.029	ND	0.511	0.074		1
1,3-Butadiene	ND	0.200	0.080	ND	0.442	0.177		1
Butane	ND	0.200	0.050	ND	0.475	0.119		1
Bromomethane	ND	0.200	0.037	ND	0.777	0.144		1
Chloroethane	ND	0.200	0.077	ND	0.528	0.203		1
Ethanol	ND	2.50	0.542	ND	4.71	1.02		1
Dichlorofluoromethane	ND	0.200	0.057	ND	0.842	0.240		1
Vinyl bromide	ND	0.200	0.070	ND	0.874	0.306		1
Acrolein	ND	0.500	0.114	ND	1.15	0.261		1
Acetone	ND	1.00	0.078	ND	2.38	0.185		1
Acetonitrile	ND	0.200	0.076	ND	0.336	0.128		1
Trichlorofluoromethane	ND	0.200	0.040	ND	1.12	0.225		1
Isopropanol	ND	0.500	0.119	ND	1.23	0.292		1
Acrylonitrile	ND	0.200	0.080	ND	0.434	0.174		1
Pentane	ND	0.200	0.047	ND	0.590	0.139		1
Ethyl ether	ND	0.200	0.079	ND	0.606	0.239		1
1,1-Dichloroethene	ND	0.200	0.057	ND	0.793	0.226		1
Tertiary butyl Alcohol	ND	0.500	0.071	ND	1.52	0.215		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209903

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1209903-03 Date Collected: 06/05/12 14:33

Client ID: CAN 1697 SHELF 46 Date Received: 06/06/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	1.00	0.250	ND	3.47	0.868		1
3-Chloropropene	ND	0.200	0.081	ND	0.626	0.254		1
Carbon disulfide	ND	0.200	0.033	ND	0.623	0.103		1
Freon-113	ND	0.200	0.051	ND	1.53	0.391		1
trans-1,2-Dichloroethene	ND	0.200	0.074	ND	0.793	0.293		1
1,1-Dichloroethane	ND	0.200	0.077	ND	0.809	0.312		1
Methyl tert butyl ether	ND	0.200	0.057	ND	0.721	0.206		1
Vinyl acetate	ND	0.200	0.068	ND	0.704	0.239		1
2-Butanone	ND	0.200	0.072	ND	0.590	0.212		1
cis-1,2-Dichloroethene	ND	0.200	0.059	ND	0.793	0.234		1
Ethyl Acetate	ND	0.500	0.151	ND	1.80	0.544		1
Chloroform	ND	0.200	0.043	ND	0.977	0.210		1
Tetrahydrofuran	ND	0.200	0.080	ND	0.590	0.236		1
2,2-Dichloropropane	ND	0.200	0.058	ND	0.924	0.268		1
1,2-Dichloroethane	ND	0.200	0.055	ND	0.809	0.223		1
n-Hexane	ND	0.200	0.078	ND	0.705	0.275		1
Diisopropyl ether	ND	0.200	0.066	ND	0.836	0.276		1
tert-Butyl Ethyl Ether	ND	0.200	0.065	ND	0.836	0.272		1
1,1,1-Trichloroethane	ND	0.200	0.061	ND	1.09	0.333		1
1,1-Dichloropropene	ND	0.200	0.072	ND	0.908	0.327		1
Benzene	ND	0.200	0.054	ND	0.639	0.172		1
Carbon tetrachloride	ND	0.200	0.052	ND	1.26	0.327		1
Cyclohexane	ND	0.200	0.077	ND	0.688	0.265		1
tert-Amyl Methyl Ether	ND	0.200	0.080	ND	0.836	0.334		1
Dibromomethane	ND	0.200	0.068	ND	1.42	0.483		1
1,2-Dichloropropane	ND	0.200	0.070	ND	0.924	0.324		1
Bromodichloromethane	ND	0.200	0.066	ND	1.34	0.442		1
1,4-Dioxane	ND	0.200	0.078	ND	0.721	0.281		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209903

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1209903-03 Date Collected: 06/05/12 14:33

Client ID: CAN 1697 SHELF 46 Date Received: 06/06/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	0.071	ND	1.07	0.382		1
2,2,4-Trimethylpentane	ND	0.200	0.066	ND	0.934	0.308		1
Heptane	ND	0.200	0.055	ND	0.820	0.225		1
cis-1,3-Dichloropropene	ND	0.200	0.075	ND	0.908	0.340		1
4-Methyl-2-pentanone	ND	0.200	0.074	ND	0.820	0.303		1
trans-1,3-Dichloropropene	ND	0.200	0.069	ND	0.908	0.313		1
1,1,2-Trichloroethane	ND	0.200	0.067	ND	1.09	0.366		1
Toluene	ND	0.200	0.063	ND	0.754	0.237		1
1,3-Dichloropropane	ND	0.200	0.078	ND	0.924	0.360		1
2-Hexanone	ND	0.200	0.060	ND	0.820	0.246		1
Dibromochloromethane	ND	0.200	0.075	ND	1.70	0.639		1
1,2-Dibromoethane	ND	0.200	0.078	ND	1.54	0.599		1
Butyl acetate	ND	0.500	0.101	ND	2.38	0.480		1
Octane	ND	0.200	0.060	ND	0.934	0.280		1
Tetrachloroethene	ND	0.200	0.076	ND	1.36	0.515		1
1,1,1,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.378		1
Chlorobenzene	ND	0.200	0.079	ND	0.921	0.364		1
Ethylbenzene	ND	0.200	0.056	ND	0.869	0.243		1
p/m-Xylene	ND	0.400	0.139	ND	1.74	0.604		1
Bromoform	ND	0.200	0.052	ND	2.07	0.538		1
Styrene	ND	0.200	0.080	ND	0.852	0.341		1
1,1,2,2-Tetrachloroethane	ND	0.200	0.055	ND	1.37	0.378		1
o-Xylene	ND	0.200	0.063	ND	0.869	0.274		1
1,2,3-Trichloropropane	ND	0.200	0.077	ND	1.20	0.464		1
Nonane	ND	0.200	0.061	ND	1.05	0.320		1
Isopropylbenzene	ND	0.200	0.053	ND	0.983	0.260		1
Bromobenzene	ND	0.200	0.079	ND	0.793	0.313		1
2-Chlorotoluene	ND	0.200	0.065	ND	1.04	0.336		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209903

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1209903-03 Date Collected: 06/05/12 14:33

Client ID: CAN 1697 SHELF 46 Date Received: 06/06/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	0.054	ND	0.983	0.265		1
4-Chlorotoluene	ND	0.200	0.076	ND	1.04	0.394		1
4-Ethyltoluene	ND	0.200	0.078	ND	0.983	0.383		1
1,3,5-Trimethybenzene	ND	0.200	0.058	ND	0.983	0.285		1
tert-Butylbenzene	ND	0.200	0.052	ND	1.10	0.285		1
1,2,4-Trimethylbenzene	ND	0.200	0.069	ND	0.983	0.339		1
Decane	ND	0.200	0.048	ND	1.16	0.279		1
Benzyl chloride	ND	0.200	0.064	ND	1.04	0.331		1
1,3-Dichlorobenzene	ND	0.200	0.064	ND	1.20	0.385		1
1,4-Dichlorobenzene	ND	0.200	0.048	ND	1.20	0.288		1
sec-Butylbenzene	ND	0.200	0.073	ND	1.10	0.401		1
p-Isopropyltoluene	ND	0.200	0.080	ND	1.10	0.439		1
1,2-Dichlorobenzene	ND	0.200	0.055	ND	1.20	0.331		1
n-Butylbenzene	ND	0.200	0.064	ND	1.10	0.351		1
1,2-Dibromo-3-chloropropane	ND	0.200	0.074	ND	1.93	0.715		1
Undecane	ND	0.200	0.053	ND	1.28	0.339		1
Dodecane	ND	0.200	0.080	ND	1.39	0.557		1
1,2,4-Trichlorobenzene	ND	0.200	0.074	ND	1.48	0.549		1
Naphthalene	ND	0.200	0.065	ND	1.05	0.341		1
1,2,3-Trichlorobenzene	ND	0.200	0.078	ND	1.48	0.579		1
Hexachlorobutadiene	ND	0.200	0.075	ND	2.13	0.800		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	97		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	75		60-140

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209903

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID:	L1209903-03	Date Collected:	06/05/12 14:33
Client ID:	CAN 1697 SHELF 46	Date Received:	06/06/12
Sample Location:		Field Prep:	Not Specified
Matrix:	Air		
Anaytical Method:	48,TO-15-SIM		
Analytical Date:	06/07/12 15:04		
Analyst:	RY		

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	0.006	ND	0.247	0.030		1
Chloromethane	ND	0.500	0.048	ND	1.03	0.099		1
Freon-114	ND	0.050	0.005	ND	0.349	0.035		1
Vinyl chloride	ND	0.020	0.007	ND	0.051	0.018		1
1,3-Butadiene	ND	0.020	0.006	ND	0.044	0.013		1
Bromomethane	ND	0.020	0.008	ND	0.078	0.031		1
Chloroethane	ND	0.020	0.007	ND	0.053	0.019		1
Acetone	ND	2.00	0.739	ND	4.75	1.76		1
Trichlorofluoromethane	ND	0.050	0.008	ND	0.281	0.045		1
Acrylonitrile	ND	0.500	0.015	ND	1.08	0.033		1
1,1-Dichloroethene	ND	0.020	0.007	ND	0.079	0.028		1
Methylene chloride	ND	1.00	0.250	ND	3.47	0.868		1
Freon-113	ND	0.050	0.006	ND	0.383	0.046		1
Halothane	ND	0.050	0.008	ND	0.404	0.065		1
trans-1,2-Dichloroethene	ND	0.020	0.006	ND	0.079	0.024		1
1,1-Dichloroethane	ND	0.020	0.007	ND	0.081	0.028		1
Methyl tert butyl ether	ND	0.020	0.004	ND	0.072	0.014		1
2-Butanone	ND	0.500	0.025	ND	1.47	0.073		1
cis-1,2-Dichloroethene	ND	0.020	0.007	ND	0.079	0.026		1
Chloroform	ND	0.020	0.006	ND	0.098	0.029		1
1,2-Dichloroethane	ND	0.020	0.008	ND	0.081	0.032		1
1,1,1-Trichloroethane	ND	0.020	0.007	ND	0.109	0.038		1
Benzene	ND	0.100	0.021	ND	0.319	0.067		1
Carbon tetrachloride	ND	0.020	0.008	ND	0.126	0.050		1
1,2-Dichloropropane	ND	0.020	0.006	ND	0.092	0.028		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209903

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1209903-03 Date Collected: 06/05/12 14:33

Client ID: CAN 1697 SHELF 46 Date Received: 06/06/12

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	0.008	ND	0.134	0.054		1
Trichloroethene	ND	0.020	0.007	ND	0.107	0.038		1
1,4-Dioxane	ND	0.100	0.050	ND	0.360	0.180		1
cis-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
4-Methyl-2-pentanone	ND	0.500	0.042	ND	2.05	0.172		1
trans-1,3-Dichloropropene	ND	0.020	0.008	ND	0.091	0.036		1
1,1,2-Trichloroethane	ND	0.020	0.009	ND	0.109	0.049		1
Toluene	ND	0.050	0.025	ND	0.188	0.094		1
Dibromochloromethane	ND	0.020	0.008	ND	0.170	0.068		1
1,2-Dibromoethane	ND	0.020	0.008	ND	0.154	0.062		1
Tetrachloroethene	ND	0.020	0.008	ND	0.136	0.054		1
1,1,1,2-Tetrachloroethane	ND	0.020	0.004	ND	0.137	0.028		1
Chlorobenzene	ND	0.020	0.008	ND	0.092	0.037		1
Ethylbenzene	ND	0.020	0.007	ND	0.087	0.030		1
p/m-Xylene	ND	0.040	0.009	ND	0.174	0.039		1
Bromoform	ND	0.020	0.015	ND	0.207	0.155		1
Styrene	ND	0.020	0.008	ND	0.085	0.034		1
1,1,2,2-Tetrachloroethane	ND	0.020	0.007	ND	0.137	0.048		1
o-Xylene	ND	0.020	0.008	ND	0.087	0.035		1
Isopropylbenzene	ND	0.500	0.046	ND	2.46	0.226		1
1,3,5-Trimethybenzene	ND	0.020	0.005	ND	0.098	0.025		1
1,2,4-Trimethylbenzene	ND	0.020	0.007	ND	0.098	0.034		1
1,3-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
1,4-Dichlorobenzene	ND	0.020	0.008	ND	0.120	0.048		1
sec-Butylbenzene	ND	0.500	0.047	ND	2.74	0.258		1
p-Isopropyltoluene	ND	0.500	0.048	ND	2.74	0.263		1
1,2-Dichlorobenzene	ND	0.020	0.007	ND	0.120	0.042		1
n-Butylbenzene	ND	0.500	0.045	ND	2.74	0.247		1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209903

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

Air Canister Certification Results

Lab ID: L1209903-03 Date Collected: 06/05/12 14:33

Client ID: CAN 1697 SHELF 46 Date Received: 06/06/12

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	0.010	ND	0.371	0.074		1
Naphthalene	ND	0.050	0.012	ND	0.262	0.063		1
1,2,3-Trichlorobenzene	ND	0.050	0.019	ND	0.371	0.141		1
Hexachlorobutadiene	ND	0.050	0.011	ND	0.533	0.117		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	99		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	87		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1207623

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1207623-04	Date Collected:	05/01/12 15:28
Client ID:	CAN 211 SHELF 9	Date Received:	05/02/12
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	05/04/12 16:32		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	ND		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	ND		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	ND		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	14.	1
C9-C10 Aromatics Total	ND		ug/m3	10	10.	1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209195

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1209195-04	Date Collected:	05/24/12 14:25
Client ID:	CAN 110 SHELF 16	Date Received:	05/25/12
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	05/25/12 19:31		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	ND		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	ND		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	ND		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	14.	1
C9-C10 Aromatics Total	ND		ug/m3	10	10.	1

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1209903

Project Number: CANISTER QC BAT **Report Date:** 07/20/12

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1209903-03	Date Collected:	06/05/12 14:33
Client ID:	CAN 1697 SHELF 46	Date Received:	06/06/12
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	06/09/12 14:27		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	2.0	1
Methyl tert butyl ether	ND		ug/m3	2.0	2.0	1
Benzene	ND		ug/m3	2.0	2.0	1
Toluene	ND		ug/m3	2.0	2.0	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	12.	1
Ethylbenzene	ND		ug/m3	2.0	2.0	1
p/m-Xylene	ND		ug/m3	4.0	4.0	1
o-Xylene	ND		ug/m3	2.0	2.0	1
Naphthalene	ND		ug/m3	2.0	2.0	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	14.	1
C9-C10 Aromatics Total	ND		ug/m3	10	10.	1

Project Name: FORMER PAYNE CUTLERY
Project Number: 172744

Lab Number: L1211737
Report Date: 07/20/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1211737-01A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	APH-10(30),MCP-TO15(30)
L1211737-02A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	APH-10(30),MCP-TO15(30)
L1211737-03A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	APH-10(30),MCP-TO15(30)
L1211737-04A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	APH-10(30),MCP-TO15(30)
L1211737-05A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	APH-10(30),MCP-TO15(30)
L1211737-06A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	APH-10(30),MCP-TO15(30)
L1211737-07A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	APH-10(30),MCP-TO15(30)
L1211737-08A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	APH-10(30),MCP-TO15(30)
L1211737-09A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	APH-10(30),MCP-TO15(30)
L1211737-10A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	APH-10(30),MCP-TO15(30)
L1211737-11A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	APH-10(30),MCP-TO15(30)
L1211737-12A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	HOLD(14)
L1211737-13A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	APH-10(30),MCP-TO15(30)
L1211737-14A	Canister - 2.7 Liter	N/A	N/A		Y	Absent	APH-10(30),MCP-TO15(30)
L1211737-15A	Canister - 6 Liter	N/A	N/A		Y	Absent	MCP-TO15-SIM(30),APH-10(30),MCP-TO15(30)
L1211737-16A	Canister - 6 Liter	N/A	N/A		Y	Absent	MCP-TO15-SIM(30),APH-10(30),MCP-TO15(30)
L1211737-17A	Canister - 6 Liter	N/A	N/A		Y	Absent	MCP-TO15-SIM(30),APH-10(30),MCP-TO15(30)
L1211737-18A	Canister - 6 Liter	N/A	N/A		Y	Absent	MCP-TO15-SIM(30),APH-10(30),MCP-TO15(30)
L1211737-19A	Canister - 6 Liter	N/A	N/A		Y	Absent	MCP-TO15-SIM(30),APH-10(30),MCP-TO15(30)
L1211737-20A	Canister - 6 Liter	N/A	N/A		Y	Absent	MCP-TO15-SIM(30),APH-10(30),MCP-TO15(30)

*Values in parentheses indicate holding time in days

Project Name:	FORMER PAYNE CUTLERY	**Lab Number:**	L1211737
Project Number:	172744	**Report Date:**	07/20/12

GLOSSARY

Acronyms

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

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit.
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
G	- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
I	- The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.
M	- Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
NJ	- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with "J" Qualifiers

Project Name:	FORMER PAYNE CUTLERY	**Lab Number:**	L1211737
Project Number:	172744	**Report Date:**	07/20/12

Data Qualifiers

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

Project Name:	FORMER PAYNE CUTLERY	**Lab Number:**	L1211737
Project Number:	172744	**Report Date:**	07/20/12

REFERENCES

96 Method for the Determination of Air-Phase Petroleum Hydrocarbons (APH), MassDEP, December 2009, Revision 1 with QC Requirements & Performance Standards for the Analysis of APH by GC/MS under the Massachusetts Contingency Plan, WSC-CAM-IXA, July 2010.

101 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air (EPA/625/R-96/010b:January 1999) with QC Requirements & Performance Standards for the Analysis of TO-15 under the Massachusetts Contingency Plan, WSC-CAM-IXB, July 2010.

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised May 10, 2012 – Mansfield Facility

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

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

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

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Titanium, Vanadium, Zinc, Total Organic Carbon, Corrosivity, TCLP 1311, SPLP 1312. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

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

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

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

Air & Emissions (EPA TO-15.)

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

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020A, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C, 8270D.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050B, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C, 8270D.)

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

Air & Emissions (EPA TO-15.)

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

Non-Potable Water (Inorganic Parameters: EPA 180.1,1631E, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081B, 8082A, 8270C, 8270D, 8015D.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 3050B, 3051A, 3060A, 6020A, 7470A, 7471B, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 8270C, 8015D, 8082A, 8081B.)

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

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3020A, SM2320B, SM2540D, 2540G, 4500H-B, EPA 180.1, 1631E, SW-846 7470A, 9040B, 9040C, 6020A, 9050A. Organic Parameters: SW-846 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 8015D, 8081B, 8082A, 8270C, 8270D)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 6020A, 7471B, 7474, 9040B, 9040C, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 3630C, 3640A, 3660B, 3665A, 8081B, 8082A, 8270C, 8270D, 8015D.)

Atmospheric Organic Parameters (EPA 3C, TO-15)

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

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

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, 6020A, 1631E, 245.7, 7470A, 9050A, EPA 180.1, 3020A. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 3510C.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A, 7471B, 7474. Organic Parameters: EPA 8270C, 8270D, 8081B, 8082A, 1311, 3050B, 3580A, 3570, 3051A.)

Air & Emissions (EPA TO-15.)

Pennsylvania Certificate/Lab ID: 68-02089 ***NELAP Accredited***

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020A,7471B, 7474. Organic Parameters: EPA3050B, 3540C, 3630C, 8270C, 8081B, 8015D, 8082A.)

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

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

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

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

Air (Organic Parameters: EPA TO-15)

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID:460194. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters:EPA 3020A, 6020A, 245.7, 9040B, SM4500H-B. Organic Parameters: EPA 3510C, 3640A, 3660B, 3665A, 8270C, 8270D, 8082A, 8081B.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020A,7470A,7471B,9040B,9045C,3050B,3051, 9060. Organic Parameters: EPA 3540C, 3580A, 3630C, 3640A, 3660B, 3665A, 3570, 8270C, 8270D, 8081B, 8082A, 8015D.)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 180.1, 1631E.)

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 7474, 9045C, 9050A, 9060. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270.)

U.S. Army Corps of Engineers

Department of Defense, L-A-B Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH, 8082A, 8081B, 8015D-SHC, 8015D.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 8270C, 8270D, 8270C-ALK-PAH, 8270D-ALK-PAH 8082A, 8081B, 8015D-SHC, 8015D.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl. **TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 2-Methylnaphthalene, 1-Methylnaphthalene.

AIR ANALYSIS

PAGE 1 OF

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1211737

Client Information

Client: TRC
Address: 650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600
Fax:
Email: aleonard@trcsolutions.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Former Payne Cutlery
Project Location: New Bedford, MA
Project #: 172744
Project Manager: Alfred Leonard
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #: 46627

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
MA	MCP	See QAPP

Other Project Specific Requirements/Comments:
See QAPP

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
L1211737-01	364-Coffin-1	6/28/12	0952	1006	-29.01	-3.79	SV	KJ/JF	2.7 L	116	0161		X		X				
-02	364-Coffin-2		1015	1027	-29.05	-2.39				1749	0078		X		X				
-03	362-Coffin-1		1112	1125	-29.79	-2.85				444	0256		X		X				
-04	362-Coffin-2		1141	1154	-28.99	-3.12				520	0178		X		X				
-05	357-Coffin-2		1331	1342	-29.52	-3.05				496	0337		X		X				
-06	357-Coffin-1		1350	1408	-29.63	-3.81				337	0250		X		X				
-07	6-Oneko-1		1454	1506	-28.60	-5.45				1718	0444		X		X				
-08	DUP-1		—	—	-29.97	-2.05				495	0247		X		X				
-09	6-Oneko-2	6/28/12	1518	1530	-29.63	-2.50				513	0181		X		X				
-10	358-Coffin-2	6/29/12	0943	0958	-29.08	-0.07	SV	KJ/JF	2.7 L	424	0208		X		X				
											Container Type		CS		CS				

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By:	Date/Time	Received By:	Date/Time:
[illegible]	6/29/12 19:12	[illegible]	6/29/12 1912
[illegible]	6/29/12 1912	[illegible]	6/29/12 5:05
[illegible]	7/2/12 10:10	[illegible]	7/2/12 10:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Formnum: 104-02(09-Jun-09)

Serial No:07201213:37

AIR ANALYSIS

PAGE 2 OF 2

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab:

ALPHA Job #: L1211737

Client Information

Client: TRC
Address: 650 Suffolk Street
Lowell, MA 01854
Phone: 978-970-5600
Fax:
Email: aleonard@trcsolutions.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Former Payne Cutlery
Project Location: New Bedford, MA
Project #: 172744
Project Manager: Alfred Leonard
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #: 46627

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
MA	MCP	See QAPP

Other Project Specific Requirements/Comments: See QAPP

All Columns Below Must Be Filled Out

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
L1211737-11	358-Coffin-1	6/29/12	1006	1018	-29.23	-2.56	SV	KJ/JF	2.7L	546	0342		X		X				
-12	10-Oneko-2		1423	1423	-29.60	~	SV	KJ/JF	2.7L	164	0037		X		X	HOLD			HOLD - Moisture in flow controller, grab sample collected
-13	10-Oneko-1		1436	1450	-29.93	-3.84	SV	KJ/JF	2.7L	1758	0003		X		X				
-14	TM-1		1645	1656	-29.07	-3.42	SV	KJ/JF	2.7L	561	0298		X		X				
-15	TM IAQ-1		~~1045~~ 1054	1453	-29.90	0	AA	KJ/JF	6L	1621	0094		X		X				
-16	TM IAQ-B		1102	1501	-29.80	-4.77	AA	KJ/JF	6L	599	0352		X		X				
-17	IAQ-DUP		0602	0401	-29.80	-2.57	AA	KJ/JF	6L	619	0041		X		X				
-18	TM-Crawlspace-2		1130	1535	-29.93	-5.53	AA	KJ/JF	6L	1565	0401		X		X				
-19	TM-Crawlspace-1		1138	1532	-29.83	-2.09	AA	KJ/JF	6L	1060	0374		X		X				
-20	AAQ	6/29/12	1151	1557	-29.77	-6.70	AA	KJ/JF	6L	1714	0458		X		X				
											Container Type		CS		CS				

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Relinquished By:	Date/Time	Received By:	Date/Time:
[illegible]	6/29/12 19:12	[illegible]	6/29/12 1912
[illegible]	6/29/12 1912	[illegible]	9:05
[illegible]	7/2/12 10:10	[illegible]	7/2/12 10:10

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 104-02 (19-Jun-09)

APPENDIX E

WASTE MANIFEST AND UST DISPOSAL PAPERWORK

BILLS OF LADING (BOLS)

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*
4 - 15373

A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:

Release Name (optional): Former Payne Cutlery Site

Street: 295 Phillips Avenue Location Aid:

City/Town: New Bedford ZIP Code: 02746

Date/Period of Generation: April 19, 2010 to: May 1, 2010

Additional Release Tracking Numbers Associated with this Bill of Lading:

** Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.*

B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

Name of Organization: City of New Bedford, Massachusetts

Name of Contact: Scott Alfonse Title: Director, Dept. of Env. Stewardship

Street: 133 William Street

City/Town: New Bedford State: MA ZIP Code: 02740

Telephone: (508) 991-6188 Ext.:

C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

- [ ] RP or PRP Specify: [ ] Owner [ ] Operator [ ] Generator [ ] Transporter Other RP or PRP:
- [x] Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
- [ ] Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
- [ ] Other Person:

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

D. TRANSPORTER OR COMMON CARRIER INFORMATION:

Transporter/Common Carrier Name: City of New Bedford Department of Public Infrastructure

Contact Person: David Fredette Title: PE

Street: 1105 Shawmut Avenue

City/Town: New Bedford State: MA ZIP Code: 02746

Telephone: (508) 979-1550 Ext.:

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:

Operator/Facility Name: Crapo Hill Landfill

Contact Person: Hank Van Larrhoven Title: Director of Operations

Street: 300 Samuel Barnett Boulevard

City/Town: New Bedford State: MA ZIP Code: 02745

Telephone: 508-763-5924 Ext.:

Type of Facility: (check one)
- [ ] Asphalt Batch/Cold Mix
- [ ] Asphalt Batch/Hot Mix
- [ ] Thermal Processing
- [ ] Landfill/Disposal
- [x] Landfill/Daily Cover
- [ ] Landfill/Structural Fill
- [ ] Incinerator
- [ ] Temporary Storage
- [ ] Other:

EPA Identification #:

Division of Hazardous Waste/Class A Permit #: Division of Solid Waste Management Permit #: 93537

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): to:

Reason for Temporary Storage:

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number*
4 - 15373

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued) :

Temporary Storage Address:

Street: _____

City/Town: _____ State: _____ ZIP Code: _____

F. DESCRIPTION OF REMEDIATION WASTE:
(check all that apply)

☑ Contaminated Media (check all that apply): ☑ Soil ○ Groundwater ○ Surface Water ○ Other: _____

☑ Contaminated Debris (check all that apply): ○ Vegetation or Organic Debris ○ Demolition/Construction Waste
○ Inorganic Absorbant Materials ☑ Other: Polyethylene sheeting

☐ Non-hazardous Uncontainerized Waste (check all that apply): ○ Non-aqueous Phase Liquid ○ Other: _____

☐ Non-hazardous Containerized Waste (check all that apply): ○ Tank Bottoms/Sludges ○ Containers ○ Drums
○ Engineered Impoundments ○ Other: _____

Type of Contamination (check all that apply): ☐ Gasoline ☐ Diesel Fuel ☐ #2 Oil ☐ #4 Oil ☐ #6 Oil ☐ Waste Oil
☐ Kerosene ☐ Jet Fuel ☐ Other: Chlorinated VOCs, Metals, PAHs

Estimated Volume of Materials: Cubic Yards: 90 Tons: 135 Other: _____

Contaminant Source (check one/specify): ☐ Transportation Accident ☑ Underground Storage Tank ☑ Other: Historical

Response Action Associated with Bill of Lading (check one): ☐ Immediate Response Action ☑ Release Abatement Measure
☐ Utility-Related Abatement Measure ☐ Limited Removal Action ☐ Comprehensive Response Action ☐ Other _____

Remediation Waste Charcterization Support Documentation attached:
☑ Site History Information ☐ Sampling and Analytical Methods and Procedures ☑ Laboratory Data ☐ Field Screening Data

If supporting documentation is not appended, provide an attachment stating thedate and in connection with what document such information was previously submitted to DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: TRC Environmental Corporation

LSP Name: David Sullivan Title: Senior Project Manager

Telephone: (978) 970-5600 Ext.: 3565

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of

(i) the standard of care in 309 CMR 4.02(1),
(ii) the applicable provisions of 309 CMR 4.02(2) and (3), and
(iii) the provisions of 309 CMR 4.03(5),

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

LSP Signature: _____ Seal:

Date: 7/21/10

License Number: 1488

COMMONWEALTH OF MASSACHUSETTS
DAVID M. SULLIVAN No. 1488
REGISTERED LICENSED SITE PROFESSIONAL

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING **(pursuant to 310 CMR 40.0030)**

Release Tracking Number*
4 - 15373

H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: [signature] Date: 8/4/2010

Name of Person (print): SCOTT ALFONSE

Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 1 **OF** 5

Release Tracking Number: 4 - 15373

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 8/4/2010
Time of Shipment: 11:15 ☒ AM ☐ PM
Truck/Tractor Registration: 554 75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 8/4/10
Time of Receipt: 11:26 ☑ AM ☐ PM
Load Size (cu. yds./tons): 16.87

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 8/4/2010
Time of Shipment: 11:50 ☑ AM ☐ PM
Truck/Tractor Registration: 554 75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/4/10
Time of Receipt: 12:06 ☐ AM ☑ PM
Load Size (cu. yds./tons): 11.86

Load 3:
Signatiure of Transporter Representative:
Date of Shipment: 8/4/2010
Time of Shipment: 1:00 ☐ AM ☒ PM
Truck/Tractor Registration: 554 75881
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 4:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:
Total Volume Recorded This Page (cu. yds./tons) 28.73
Total Carried Forward (cu. yds./tons): 0
Total Carried Forward and This Page (cu. yds./tons): 28.73

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Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 2 **OF** 5

Release Tracking Number: 4 - 15373

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative: R.G.
Date of Shipment: 8/4/10
Time of Shipment: 11:15 ☒ AM ☐ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 8/4/10
Time of Receipt: 11:30 ☒ AM ☐ PM
Load Size (cu. yds./tons): 14.63

Load 2:
Signatiure of Transporter Representative: RG
Date of Shipment: 8/4/10
Time of Shipment: 12:05 ☐ AM ☒ PM
Truck/Tractor Registration: M50838
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/4/10
Time of Receipt: 12:17 ☐ AM ☒ PM
Load Size (cu. yds./tons): 15.70

Load 3:
Signatiure of Transporter Representative: RG
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 4:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:
Total Volume Recorded This Page (cu. yds./tons) 30.33
Total Carried Forward (cu. yds./tons): 28.73
Total Carried Forward and This Page (cu. yds./tons): 59.06

Revised 10/3/94

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Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 3 **OF** 5

Release Tracking Number: 4 - 15373

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: [signature]
Date of Shipment: 8/4/10
Time of Shipment: 11:15 ☒ AM ☐ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 8/4/10
Time of Receipt: 11:33 ☒ AM ☐ PM
Load Size (cu. yds./~~tons~~): 8.24

Load 2:
Signature of Transporter Representative: [signature]
Date of Shipment: 8/4/10
Time of Shipment: 12:10 ☐ AM ☒ PM
Truck/Tractor Registration: M78941
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/4/10
Time of Receipt: 12:23 ☐ AM ☒ PM
Load Size (cu. yds./~~tons~~): 9.66

Load 3:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 17.90
Total Carried Forward (cu. yds./tons): 59.06
Total Carried Forward and This Page (cu. yds./tons): 76.96

Revised 10/3/94

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Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 4 **OF** 5

Release Tracking Number: 4 - 15373

I. LOAD INFORMATION:

Load 1:
Signatiure of Transporter Representative:
Date of Shipment: 8/4/10
Time of Shipment: 11:15 ☒ AM ☐ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 8/4/10
Time of Receipt: 11:35 ☒ AM ☐ PM
Load Size (cu. yds./tons): 5.38

Load 2:
Signatiure of Transporter Representative:
Date of Shipment: 8/4/10
Time of Shipment: 12:15 ☐ AM ☒ PM
Truck/Tractor Registration: M77823
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL GM
Date of Receipt: 8/4/10
Time of Receipt: 12:29 ☐ AM ☒ PM
Load Size (cu. yds./tons): 6.55

Load 3:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 4:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signatiure of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:
Total Volume Recorded This Page (cu. yds./tons) 11.93
Total Carried Forward (cu. yds./tons): 76.96
Total Carried Forward and This Page (cu. yds./tons): 88.89

Revised 10/3/94

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Massachusetts Department of Environmental Protection **BWSC-012B**
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 5 **OF** 5

Release Tracking Number: 4 - 15373

I. LOAD INFORMATION:

Load 1:
Signature of Transporter Representative: WD
Date of Shipment: 8/4/10
Time of Shipment: 11:20 ☒ AM ☐ PM
Truck/Tractor Registration: M66223
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative: CHL RM
Date of Receipt: 8/4/10
Time of Receipt: 11:37 ☑ AM ☐ PM
Load Size (cu. yds./tons): 17.73

Load 2:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 3:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 4:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 5:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

Load 6:
Signature of Transporter Representative:
Date of Shipment:
Time of Shipment: ☐ AM ☐ PM
Truck/Tractor Registration:
Trailer Registration (if any):
Receiving Facility/Temporary Storage Representative:
Date of Receipt:
Time of Receipt: ☐ AM ☐ PM
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) 17.73
Total Carried Forward (cu. yds./tons): 88.89
Total Carried Forward and This Page (cu. yds./tons): 106.62

Revised 10/3/94

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING **(pursuant to 310 CMR 40.0030)**

SUMMARY SHEET 1 **OF** 1

Release Tracking Number

4 - 15373

K. SUMMARY OF SHIPMENTS:

Date of Shipment:	Date of Receipt:	Number of Loads Shipped:	Daily Volume Shipped (cu. yds./tons):
8/4/2010	8/4/2010	9	106.62

Summary Sheet Total Shipped:	9	106.62
Bill of Lading Total Shipped (only if different):		

Massachusetts Department of Environmental Protection
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030

SUMMARY SHEET

Release Tracking Number
1 - 15373

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print): Crapo Hill LandFill - GNBRRMP

Title: Sect

Signature: Marie Alves

Date: 8/4/2010

M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in herein is, to the best of my knowledge and belief, true, accurate and complete, I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: [signature]

Date: 9/8/2010

Name of Person (print): DAVID J. FREDETTE

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300511
Date: 8/4/2010
Time:11:36:54 - 11:37:09

SCALE PHONE 508-998-5674

Truck: 105-551
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 61100 LB Scale
Tare: 25640 LB PreTare
Net: 35460 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	17.73 Tons

Driver: Bill Days

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300509
Date: 8/4/2010
Time:11:34:57 - 11:35:11

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 105/CITY OF NEW BEDFORD
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 24820 LB Scale
Tare: 14060 LB PreTare
Net: 10760 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	5.38 Tons

Driver: _____ Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300520
Date: 8/4/2010
Time:12:29:28 - 12:29:49

SCALE PHONE 508-998-5674

Truck: 105-559
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 27160 LB Scale
Tare: 14060 LB PreTare
Net: 13100 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	6.55 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300505
Date: 8/4/2010
Time:11:26:53 - 11:27:29

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 62920 LB Scale
Tare: 29180 LB PreTare
Net: 33740 LB

Comment:
RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	16.87 Tons

Driver: FP

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300516
Date: 8/4/2010
Time:12:06:50 - 12:06:58

SCALE PHONE 508-998-5674

Truck: 105-554
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 52900 LB Scale
Tare: 29180 LB PreTare
Net: 23720 LB

Comment:

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	11.86 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300518
Date: 8/4/2010
Time:12:18:18 - 12:18:43

SCALE PHONE 508-998-5674

Truck: 105--553
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 57960 LB Scale
Tare: 26560 LB PreTare
Net: 31400 LB

Comment:

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	15.70 Tons

Driver: Rlgt

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300507
Date: 8/4/2010
Time:11:31:19 - 11:31:43

SCALE PHONE 508-998-5674

Truck: 105-553
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 55820 LB Scale
Tare: 26560 LB PreTare
Net: 29260 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	14.63 Tons

Driver: _____

Deputy Weighmaster: _____
RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

Ticket: 300519
Date: 8/4/2010
Time:12:22:10 - 12:22:35

SCALE PHONE 508-998-5674

Truck: 105-557
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 35420 LB Scale
Tare: 16100 LB PreTare
Net: 19320 LB

Comment:

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	9.66 Tons

Driver: M.S.

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

GREATER NEW BEDFORD REGIONAL REFUSE MANAGEMENT DISTRICT

300 SAMUEL BARNET BLVD., NEW BEDFORD, MA 02745 TEL: (508) 763-5924 FAX: (508) 763-8624

CRAPO HILL LANDFILL

SCALE PHONE 508-998-5674

Ticket: 300508
Date: 8/4/2010
Time:11:33:28 - 11:33:42

Truck: 105-557
Customer: 105/CITY OF NEW BEDFORD -
Carrier: SAC/SAME AS CUSTOMER Truck Type: DUMP TRUCK

Gross: 32580 LB Scale
Tare: 16100 LB PreTare
Net: 16480 LB

Comment: RIVER RD

Origin	Materials & Services	Quantity
NEW/NEW BEDFORD	50/DOMESTIC WASTE	8.24 Tons

Driver: Mike Sam

Deputy Weighmaster: RICHARD MOTA

HAULER COPY

From: Pettit, David (Lowell,MA-US)
To: Grundy, James (Lowell,MA-US)
Subject: FW: Payne BOL
Date: Wednesday, September 08, 2010 10:08:52 AM

For your files.

From: Scott Alfonse [mailto:Scott.Alfonse@newbedford-ma.gov]
Sent: Wednesday, September 08, 2010 10:00 AM
To: David Fredette
Cc: Pettit, David (Lowell,MA-US)
Subject: Payne BOL

Thanks for calling me to let me know that there is another BOL for Payne Cutlery that requires signature. Can you please sign on behalf of the City while you are signing the BOL for River Rd? Thanks.

Scott Alfonse

City of New Bedford

Department of Environmental Stewardship

133 William Street Room 304

New Bedford, MA 02740

(508)991-6188

scott.alfonse@newbedford-ma.gov

www.newbedford-ma.gov

HAZARDOUS WASTE MANIFESTS

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MP 5 0 8 9 7 9 1 4 8 7
2. Page 1 of: 1
3. Emergency Response Phone: 800 966 9282
4. Manifest Tracking Number: 003538743 FLE

GENERATOR

5. Generator's Name and Mailing Address:
City Of New Bedford
133 Williams Street
New Bedford, MA 02740
Generator's Phone: (508) 961-4576

Generator's Site Address (if different than mailing address):
City of New Bedford - 295 Phillips Avenue
Former Payne Cutlery Site 295 Phillips Avenue
New Bedford. , MA 02746

6. Transporter 1 Company Name: New England Disposal Technologies
U.S. EPA ID Number: M A C 3 0 0 0 0 8 0 5 9

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Stablex Canada Inc.
760 Industrial Boulevard
Blainville , QC J7C 3V4
Facility's Phone: (450) 430-9230
U.S. EPA ID Number: N Y D 9 8 0 7 5 6 4 1 5

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. 9, III (trichloroethylene) (RQ: F002)	0 0 1	D T	EST 26	T	F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Triumvirate Environmental (Merrimack), Inc. acting as intermediary arranging for export
1 - (1 x Dump Truck) Soil w/TCE 2 - 3 - 4 -

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: SCOTT ALFONSE
Signature: [signature]
Month 8 Day 24 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: WILLIAM STODDARD
Signature: William Stoddard
Month 08 Day 24 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
N= 58300 P.
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H 132 T 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Medoie Marco
Signature: [signature]
Month 08 Day 25 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

MOVEMENT DOCUMENT / MANIFEST
DOCUMENT DE MOUVEMENT / MANIFESTE

This Movement document/manifest conforms to all federal and provincial transport and environmental legislation.
Ce document de mouvement/manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport.

118672

Transaction: 00014254 Order:

Movement Document / Manifest Reference No.
N° de référence du document de mouvement/manifeste

9385422-2

A Generator / consignor / Producteur / expéditeur

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial (1): MAD047075734

Company name / Nom de l'entreprise: TRIUMVIRATE ENVIRONMENTAL (MERRIMACK)

Mailing address / Adresse postale: 61 Inner Belt Road Somerville, MA 02143

E-mail / Courrier électronique:

Tel. No. / N° de tél.: (978) 453-7773

Shipping site address / Adresse du lieu de l'expédition: 253 Howard Street

City / Ville: Lowell Province: Massachusset Postal code / Code postal: 01852

Intended Receiver / consignee / Réceptionnaire / destinataire prévu (2): STABLEX CANADA INC.

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial: 1143849946

Mailing address / Adresse postale: 780, boul. Industriel City / Ville: Blainville, Québec Province: Postal code / Code postal: J7C 3V4

E-mail / Courrier électronique: E-mail: lleonard@marsulex.com

Tel. No. / N° de tél.: 450 430-9230

Receiving site address / Adresse du lieu de l'expédition: 780, boul. Industriel

City / Ville: Blainville Province: Québec Postal code / Code postal: J7C 3V4

B Carrier / Transporteur

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial (23): 1180712270

Company name / Nom de l'entreprise: NEW ENGLAND DISPOSAL TECHNOLOGIES

Mailing address / Adresse postale: 53 Gilmore Drive Sutton, MA 01590 City / Ville: Province: Postal code / Code postal:

E-mail / Courrier électronique:

Tel. No. / N° de tél.: (508) 234-4440

Vehicle / Véhicule	Registration No. / N° d'immatriculation	Prov. (24)
Trailer - Rail car No. 1 / 1re remorque - wagon	78136	MA
Trailer - Rail car No. 2 / 2e remorque - wagon	Phillipsburg	

Port of entry / Point d'entrée: Phillipsburg QC (International use only) Port of exit / Point de sortie (25): International use only

Carrier Certification : *I certify that I have received waste or recyclable material from the generator / consignor for delivery to the receiver / consignee as set out in Part A and that the information contained in Part B is complete and correct.* **Attestation du transporteur :** *J'atteste avoir reçu les déchets ou matières recyclables du producteur / expéditeur en vue de leur livraison au réceptionnaire / destinataire, tels qu'ils figurent à la partie A et que les renseignements inscrits à la partie B sont exacts et complets.* (26)

Name of authorized person (print): Nom de l'agent autorisé (caractères d'imprimerie): William Stadard

Tel. No. / N° de tél.: (508) 234-4440

Year / Année: 10 Month / Mois: 08 Day / Jour: 24 Signature: William Stadard

C Receiver / consignee / Réceptionnaire / destinataire

Reference Nos. of other movement document(s)/manifest(s) used / N° de référence des autres documents de mouvement/manifestes utilisés (27): 03538743 FLE

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial (28)

Receiver / consignee information same as in Part A
Les renseignements du réceptionnaire / destinataire est la même qu'à la Partie A
☑ Yes / Oui ☐ No, complete the box below / Non, remplir la case ci-dessous

Company name / Nom de l'entreprise

Mailing address / Adresse postale

City / Ville Province Postal code / Code postal

E-mail / Courrier électronique Tel. No. / N° de tél. ( )

Receiving site address / Adresse du lieu de destination

Date received / Date de réception (29): Year / Année 10 Month / Mois 08 Day / Jour 25 Time / Heure 1023 ☑ A.M. ☐ P.M.

If waste or recyclable material to be transferred, specify intended company name/ Si les dechets ou matières recyclables doivent être transférés, préciser le nom du destinataire (30)

Registration No./Provincial ID No. / N° d'immatriculation/d'id provincial

Prov. code / Code prov. (3)	Shipping name / Appellation réglementaire (4)	Class / Classe (5) Sub. class(es) / Classe(s) sub.	UN No. / N° NU (6)	Packing / risk gr. / Gr. d'emballage / de risque (7)	Quantity shipped / Quantité expédiée	Units (8) L or / ou Kg Unités	Packaging / Contenant (9) No. / N°	Codes Int.– ext.	Phys. state / État phys. (10)
(i) N/A	ENVIRONMENTALLY HAZARDOUS WASTE (THH, MAH)	N/A	N/A	N/A	20,000	Kg	1	03	S41
(ii)									
(iii)									
(iv)									

Quantity received / Quantité reçue	Units (31) L or / ou kg Unités	Comments / Commentaires (32)	Handling Code / Code de manutention (33)	Shipment / Envoi (34) Accepted / Accepté	Refused / Refusé	Decont. (35) Pack. Cont.	Veh. Véh.
26440	KG		09	✓		✓	

If handling code "Other" (specify) / Si code de manutention « autre » (spécifier) (36): P. Cells

Notice No. / N° de notification (11)	Notice Line No / N° de ligne de la notification (12)	Shipment / Envoi	Of / De	D or R code / Code D ou R (13)	C code / Code C (14)	Basel Annex VIII or OECD Code / Annexe VIII de Bâle ou Code OCDE (15)	H code / Code H (16)	Y code / Code Y (17)	National code in country of / Code du pays (18) Export / Exportation	Import / Importation	Customs code(s) / Code(s) de douanes (19)
(i) 519680	4		55000	D9	19	N/A	12	41	N/A	N/A	2820.990000
(ii)											
(iii)											
(iv)											

International use only

Generator / consignor certification: *I certify that the information contained in Part A is correct and complete.* **Attestation du producteur / expéditeur:** *J'atteste que tous les renseignements à la partie A sont exacts et complets.*

Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie): Ms. Valerie Aquino

Signature: Valerie Aquino

Tel. No. / N° de tél. (20): (978) 453-7773

Receiver / consignee certification : *I certify that the information contained in Part C is correct and complete.* **Attestation du réceptionnaire / destinataire :** *J'atteste que tous les renseignements à la partie C sont exacts et complets.*

Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie) (37): Nadine Marcil

Signature:

Tel. No. / N° de tél.: 450-430-9331

Special handling / Manutention spéciale (22): ☐ Attached / Ci-joint: ☒ As follows / Ci-contre: EHP 2-493 2-44 808 263 9502

Date shipped / Date d'expédition (21): Year / Année 10 Month / Mois 08 Day / Jour 24 Time / Heure 1700 ☐ A.M. ☒ P.M.

Scheduled arrival date / Date d'arrivée prévue: Year / Année 10 Month / Mois 08 Day / Jour 25

MOE 04-1917 (07/07)

Instructions for completion and distribution on reverse / Instructions pour compléter et distribuer au verso

Copy / Copie 3 (yellow / jaune)

XXXXX

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MP 5 0 8 9 7 9 1 4 8 7
2. Page 1 of: 1
3. Emergency Response Phone: 800 966 9282
4. Manifest Tracking Number: 003538744 FLE

5. Generator's Name and Mailing Address
City Of New Bedford
133 Williams Street
New Bedford, MA 02740
Generator's Phone: (508) 961-4576

Generator's Site Address (if different than mailing address)
City of New Bedford - 295 Phillips Avenue
Former Payne Cutlery Site 295 Phillips Avenue
New Bedford. , MA 02746

6. Transporter 1 Company Name: New England Disposal Technologies
U.S. EPA ID Number: M A C 3 0 0 0 0 8 0 5 9

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Stablex Canada Inc.
760 Industrial Boulevard
Blainville , QC J7C 3V4
Facility's Phone: (450) 430-9230
U.S. EPA ID Number: N Y D 9 8 0 7 5 6 4 1 5

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. 9, III (trichloroethylene) (RQ: F002)	0 0 1	D T	EST 25	T	F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Triumvirate Environmental (Merrimack), Inc. acting as intermediary arranging for export
1 - (1 x Dump Truck) Soil w/TCE 2 - 3 - 4 -

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: SCOTT ALFONSE
Signature: [signature]
Month 8 Day 24 Year 10

16. International Shipments ☐ Import to U.S. ☒ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): [signature] Date leaving U.S.: 8/24/10

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Scott Milligan
Signature: [signature]
Month 8 Day 24 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
N= 54353 P
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H 132 T 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Madore Mario
Signature: [signature]
Month 08 Day 25 Year 10

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

MOVEMENT DOCUMENT / MANIFEST
DOCUMENT DE MOUVEMENT / MANIFESTE

This Movement document/manifest conforms to all federal and provincial transport and environmental legislation.
Ce document de mouvement/manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport.

118675

9385421-4

Movement Document / Manifest Reference No.
N° de référence du document de mouvement/manifeste

Transaction: 00014254 Order:

A Generator / consignor / Producteur / expéditeur — Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial: MAD047075734

Company name / Nom de l'entreprise: TRIUMVIRATE ENVIRONMENTAL (MERRIMACK)

Mailing address / Adresse postale: 61 Inner Belt Road Somerville, MA 02143

E-mail / Courrier électronique:

Tel. No. / N° de tél.: (978) 453-7773

Shipping site address / Adresse du lieu de l'expédition: 263 Howard Street

City / Ville: Lowell — Province: Massachusett — Postal code / Code postal: 01852

B Carrier / Transporteur — Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial: 1180712270

Company name / Nom de l'entreprise: NEW ENGLAND DISPOSAL TECHNOLOGIES

Mailing address / Adresse postale: 33 Gilmore Drive Sutton, MA 01590

E-mail / Courrier électronique:

Tel. No. / N° de tél.: (508) 234-4440

Vehicle / Véhicule	Registration No. / N° d'immatriculation	Prov.
Trailer - Rail car No. 1 / 1re remorque - wagon	77369	MA
Trailer - Rail car No. 2 / 2e remorque - wagon		

Port of entry / Point d'entrée: Phillipsburg, Qc — International use only

Port of exit / Point de sortie: International use only

Carrier Certification: I certify that I have received waste or recyclable material from the generator / consignor for delivery to the receiver / consignee as set out in Part A and that the information contained in Part B is complete and correct.
Attestation du transporteur: J'atteste avoir reçu les déchets ou matières recyclables du producteur / expéditeur en vue de leur livraison au réceptionnaire / destinataire tels qu'ils figurent à la partie A et que les renseignements inscrits à la partie B sont exacts et complets.

Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie): Jeff Mulligan

Tel. No. / N° de tél.: (508) 234-4440

Signature:

Year / Année: 10 — Month / Mois: 08 — Day / Jour: 24

C Receiver / consignee / Réceptionnaire / destinataire — Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial:

Reference Nos. of other movement document(s)/manifest(s) used / N° de référence des autres documents de mouvement/manifestes utilisés: 003538744FLE

Receiver / consignee information same as in Part A
Les renseignements du réceptionnaire / destinataire est la même qu'à la Partie A
☑ Yes / Oui ☐ No, complete the box below / Non, remplir la case ci-dessous

Company name / Nom de l'entreprise:

Mailing address / Adresse postale:

City / Ville: — Province: — Postal code / Code postal:

E-mail / Courrier électronique:

Tel. No. / N° de tél.: ( )

Receiving site address / Adresse du lieu de destination:

Intended Receiver / consignee / Réceptionnaire / destinataire prévu: STABLEX CANADA INC.

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial: 1143649946

Mailing address / Adresse postale: 760, boul. Industriel — City / Ville: Blainville, Québec — Province: — Postal code / Code postal: J7C 3V4

E-mail / Courrier électronique: E-mail: lleonard@meruliex.com

Tel. No. / N° de tél.: 450 430-9230

Receiving site address / Adresse du lieu de l'expédition: 760, boul. Industriel

City / Ville: Blainville — Province: Québec — Postal code / Code postal: J7C 3V4

Date received / Date de réception — Year / Année: 10 — Month / Mois: 08 — Day / Jour: 25

Time / Heure: 10:10 ☑ A.M. ☐ P.M.

If waste or recyclable material to be transferred, specify intended company name/ Si les dechets ou matières recyclables doivent être transférés, préciser le nom du destinataire:

Registration No./Provincial ID No. / N° d'immatriculation/d'id provincial:

	Prov. code / Code prov. (3)	Shipping name / Appellation réglementaire (4)	Class / Classe (5) Sub. class(es) / Classe(s) sub.	UN No. / N° NU (6)	Packing / risk gr. / Gr. d'emballage/ de risque (7)	Quantiy shipped / Quantité expédiée	Units / Unités (8) L or / ou Kg	Packaging / Contenant No. / N° (9)	Codes Int.– ext.	Phys. state / État phys. (10)
(i)	N/A	ENVIRONMENTALLY HAZARDOUS WASTE (THH, MAH)	N/A	N/A	N/A	20,000	Kg	1	03	S41
(ii)										
(iii)										
(iv)										

Quantity received / Quantité reçue	Units / Unités (31) L or / ou kg	Comments / Commentaires (32)	Handling Code / Code de manutention (33)	Shipment / Envoi (34) Accepted / Accepté	Refused / Refusé	Decont. (35) Pack. Cont.	Veh. Véh.
24650	KG		09	✓		✓	

If handling code "Other" (specify) / Si code de manutention « autre » (spécifier): P. Cells (36)

	Notice No. / N° de notification (11)	Notice Line No / N° de ligne de la notification	Shipment / Envoi (12)	Of / De	D or R code / Code É ou R (13)	C code / Code C (14)	Basel Annex VIII or OECD Code / Annexe VIII de Bâle ou Code OCDE (15)	H code / Code H (16)	Y code / Code Y (17)	National code in country of / Code du pays (18) Export / Exportation	Import / Importation	Customs code(s) / Code(s) de douanes (19)
(i)	519680	4		55000	D9	19	N/A	12	41	N/A	N/A	2820.990090
(ii)												
(iii)												
(iv)												

International use only

Generator / consignor certification: I certify that the information contained in Part A is correct and complete.
Attestation du producteur / expéditeur: J'atteste que tous les renseignements à la partie A sont exacts et complets.

Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie): Mrs. Valerie Appiani

Signature

Tel. No. / N° de tél.: (978) 453-7773 (20)

Receiver / consignee certification: I certify that the information contained in Part C is correct and complete.
Attestation du réceptionnaire / destinataire: J'atteste que tous les renseignements à la partie C sont exacts et complets.

Name of authorized person (print) / Nom de l'agent autorisé (caractère d'imprimerie): Mario (37)

Signature: Modore

Tel. No. / N° de tél.: 450-430-9230

Special handling / Manutention spéciale: ☐ Attached / Ci-joint: ☑ As follows / Ci-contre: ERP 2-0493 2114 800 263 9227

Date shipped / Date d'expédition (21) — Year / Année: 08 — Month / Mois: 24 — Time / Heure: ☐ A.M. ☑ P.M. 1:20

Scheduled arrival date / Date d'arrivée prévue — Year / Année: 10 — Month / Mois: 08 — Day / Jour: 24

MOE 04-1917 (07/07)

Instructions for completion and distribution on reverse / Instructions pour compléter et distribuer au verso

Copy / Copie 3 (yellow / jaune)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MP 5 0 8 9 7 9 1 4 8 7
2. Page 1 of 1
3. Emergency Response Phone: 800 966 9282
4. Manifest Tracking Number: 003538745 FLE

5. Generator's Name and Mailing Address
City Of New Bedford
133 Williams Street
New Bedford, MA 02740
Generator's Phone: (508) 961-4576

Generator's Site Address (if different than mailing address)
City of New Bedford - 295 Phillips Avenue
Former Payne Cutlery Site 295 Phillips Avenue
New Bedford. , MA 02746

6. Transporter 1 Company Name: New England Disposal Technologies — U.S. EPA ID Number: M A C 3 0 0 0 0 8 0 5 9

7. Transporter 2 Company Name: NEW ENGLAND DISPOSAL TECHNOLOGIES INC — U.S. EPA ID Number: MAC30000 8059

8. Designated Facility Name and Site Address
Stablex Canada Inc.
760 Industrial Boulevard
Blainville , QC J7C 3V4
Facility's Phone: (450) 430-9230
U.S. EPA ID Number: N Y D 9 8 0 7 5 6 4 1 5

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3077, Hazardous waste, solid, n.o.s. 9, III (trichloroethylene) (RQ: F002)	0 0 1	WS CM ~~DT~~	012	T	F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Triumvirate Environmental (Merrimack), Inc. acting as intermediary arranging for export
1 - (1 x ~~Dump Truck~~ WS) Soil w/TCE 2 - 3 - 4 -
Roll off. Box # 20006

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: SCOTT ALFONSE — Signature: [signature] — Month 8 Day 24 Year 10

16. International Shipments ☐ Import to U.S. ☑ Export from U.S. Port of entry/exit: Highgate Springs, VT
Transporter signature (for exports only): William Stoddard — Date leaving U.S.: 08/26/10

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Shawn Kelly — Signature: [signature] — Month 08 Day 24 Year 10
Transporter 2 Printed/Typed Name: William S Toddard — Signature: William Stoddard — Month 08 Day 26 Year 10

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
N= 23880 P.
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132-T 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Mathieu Gareau — Signature: [signature] — Month 08 Day 26 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

MOVEMENT DOCUMENT / MANIFEST
DOCUMENT DE MOUVEMENT / MANIFESTE

This Movement document/manifest conforms to all federal and provincial transport and environmental legislation.
Ce document de mouvement/manifeste est conforme aux législations fédérale et provinciale sur l'environnement et le transport.

118715

9385423-0

Movement Document / Manifest Reference No.
N° de référence du document de mouvement/manifeste

Transaction: 00014254 Order:

A Generator / consignor / Producteur / expéditeur

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial (1): MAD047075734

Company name / Nom de l'entreprise: TRIUMVIRATE ENVIRONMENTAL (MERRIMACK)

Mailing address / Adresse postale: 81 Inner Belt Road Somerville, MA 02143

E-mail / Courrier électronique:

Tel. No. / N° de tél.: (978) 453-7773

Shipping site address / Adresse du lieu de l'expédition: 263 Howard Street

City / Ville: Lowell — Province: Massachusett — Postal code / Code postal: 01852

Intended Receiver / consignee / Réceptionnaire / destinataire prévu (2): STABLEX CANADA INC.

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial: 1143849948

Mailing address / Adresse postale: 760, boul. Industriel — City / Ville: Blainville, Québec — Province: — Postal code / Code postal: J7C 3V4

E-mail / Courrier électronique: E-mail: lissard@meraulex.com

Tel. No. / N° de tél.: 450 430-9230

Receiving site address / Adresse du lieu de l'expédition: 760, boul. Industriel

City / Ville: Blainville — Province: Québec — Postal code / Code postal: J7C 3V4

B Carrier / Transporteur

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial (23): 1180712270

Company name / Nom de l'entreprise: NEW ENGLAND DISPOSAL TECHNOLOGIES

Mailing address / Adresse postale: 63 Gilmore Drive Sutton, MA 01590 — City / Ville: — Province: — Postal code / Code postal:

E-mail / Courrier électronique:

Tel. No. / N° de tél.: (508) 234-4440

Vehicle / Véhicule	Registration No. / N° d'immatriculation	Prov. (24)
Trailer - Rail car No. 1 / 1re remorque - wagon	WS ~~7~~ 8138 76138	MA
Trailer - Rail car No. 2 / 2e remorque - wagon		

Port of entry / Point d'entrée: International use only — Port of exit / Point de sortie: International use only (25)

Carrier Certification : I certify that I have received waste or recyclable material from the generator / consignor for delivery to the receiver / consignee as set out in Part A and that the information contained in Part B is complete and correct.
Attestation du transporteur : J'atteste avoir reçu les déchets ou matières recyclables du producteur / expéditeur en vue de leur livraison au réceptionnaire / destinataire, tels qu'ils figurent à la partie A et que les renseignements inscrits à la partie B sont exacts et complets. (26)

Name of authorized person (print): Norm de l'agent autorisé (caractères d'imprimerie): William Stoddard — Tel. No. / N° de tél.: (508) 234-4440

Year / Année: 10 — Month / Mois: 08 — Day / Jour: 26 — Signature: William Stoddard

Reference Nos. of other movement document(s)/manifest(s) used / N° de référence des autres documents de mouvement/manifestes utilisés (27): W3538745FCE

C Receiver / consignee / Réceptionnaire / destinataire

Registration No. / Provincial ID No. / N° d'immatriculation - d'id. provincial (28)

Receiver / consignee information same as in Part A / Les renseignements du réceptionnaire / destinataire est la même qu'à la Partie A: ☒ Yes / Oui ☐ No, complete the box below / Non, remplir la case ci-dessous

Company name / Nom de l'entreprise

Mailing address / Adresse postale

City / Ville — Province — Postal code / Code postal

E-mail / Courrier électronique — Tel. No. / N° de tél. ( )

Receiving site address / Adresse du lieu de destination

Date received / Date de réception (29): Year / Année: 10 — Month / Mois: 08 — Day / Jour: 26 — Time / Heure: 1534 ☐ A.M. ☒ P.M.

If waste or recyclable material to be transferred, specify intended company name/ Si les dechets ou matières recyclables doivent être transférés, préciser le nom du destinataire (30) — Registration No./Provincial ID No. / N° d'immatriculation/d'id provincial

	Prov. code / Code prov. (3)	Shipping name / Appellation réglementaire (4)	Class / Classe Sub. class(es) / Classe(s) sub. (5)	UN No. / N° NU (6)	Packing / risk gr. / Gr. d'emballage/ de risque (7)	Quantity shipped / Quantité expédiée	Units / L or / ou Kg Unités (8)	Packaging/Contenant No. / N° (9)	Codes Int. – ext.	Phys. state / État phys. (10)
(i)	N/A	ENVIRONMENTALLY HAZARDOUS WASTE (THH, MAH)	N/A	N/A	N/A	~~22,000~~ 10909	Kg	1	~~50~~ 06	S41
(ii)										
(iii)										
(iv)										

	Quantity received / Quantité reçue	Units / L or / ou Kg Unités (31)	Comments / Commentaires (32)	Handling Code / Code de manutention (33)	Shipment / Envoi (34) Accepted / Accepté	Refused / Refusé	Decont. (35) Pack. Cont.	Veh. Véh.
(i)	10830	KG		09	X		X	
(ii)								
(iii)								
(iv)								

	Notice No. / N° de notification (11)	Notice Line No / N° de ligne de la notification	Shipment / Envoi (12)	Of / De	D or R code / Code E ou R (13)	C code / Code C (14)	Basel Annex VIII or OECD Code / Annexe VIII de Bâle ou Code OCDE (15)	H code / Code H (16)	Y code / Code Y (17)	National code in country of / Code du pays (18) Export / Exportation	Import / Importation	Customs code(s) / Code(s) de douanes (19)
(i)	519680	4	135	55000	D9	19	N/A	12	41	N/A	N/A	2820.990090
(ii)												
(iii)												
(iv)												

International use only

If handling code "Other" (specify) / Si code de manutention « autre » (spécifier) (36): P. Cells

Receiver / consignee certification : I certify that the information contained in Part C is correct and complete.
Attestation du réceptionnaire / destinataire : J'atteste que tous les renseignements à la partie C sont exacts et complets.

Name of authorized person (print) / Norm de l'agent autorisé (caractère d'imprimerie) (37): Mathieu Gorceau

Signature

Tel. No. / N° de tél.: 4504309230

Special handling / Manutention spéciale (22): ☐ Attached /Ci-joint: ☒ As follows/ Ci-contre: ERP 2-0493 2411 800 263 9502

Generator / consignor certification: I certify that the information contained in Part A is correct and complete.
Attestation du producteur / expéditeur: J'atteste que tous les renseignements à la partie A sont exacts et complets.

Name of authorized person (print) / Norm de l'agent autorisé (caractère d'imprimerie): Mrs. Valerie Applani — Signature — Tel. No. / N° de tél. (20): (978) 453-7773

Date shipped / Date d'expédition (21): Year / Année: 10 — Month / Mois: 08 — Day / Jour: 26 — Time / Heure: ☒ A.M. ☐ P.M. 0900

Scheduled arrival date / Date d'arrivée prévue: Year / Année: 10 — Month / Mois: 08 — Day / Jour: 26

MOE 04-1917 (07/07)

Instructions for completion and distribution on reverse / Instructions pour compléter et distribuer au verso

Copy / Copie 3 (yellow / jaune)

Weigh bill

Street:	2010/08/25	09:15	Gross:	40,220	kg	88,685	lbs
In:	2010/08/25	10:10	Tare:	15,570	kg	34,332	lbs
Out:	2010/08/25	16:08	Net:	24,650	kg	54,353	lbs
				24.65	m.t.	27.16	Tons

Batch number:

Order number: 118675

Placard - in: 122

Placard - out: 122

Work order:

Transportation documents

Can.: 9385421-4

U.S.: 003538744FLE

Generator: TRIUMVIRATE ENVIRONMENTAL (MERRIMACK)

Carrier: NEW ENGLAND DISPOSAL TECHNOLOGIES

Driver: L. MILLIGAN

Tractor plate no: 170 Trailor: 369 ,

Container no: 369

Scale clerk: Mathieu Garceau

Driver's signature:

SCI-1200-16/NOV99

Weigh bill

STABLEX
A MARSULEX COMPANY

Street:	2010/08/25	09:00	Gross:	41,160	kg	90,758	lbs
In:	2010/08/25	10:23	Tare:	14,720	kg	32,458	lbs
Out:	2010/08/25	16:15	Net:	26,440	kg	58,300	lbs
				26.44	m.t.	29.14	Tons

Batch number:

Order number: 118672

Placard - in: 217

Placard - out: 217

Work order:

Transportation documents

Can.: 9385422-2
U.S.: 003538743FLE

Generator: TRIUMVIRATE ENVIRONMENTAL (MERRIMACK)

Carrier: NEW ENGLAND DISPOSAL TECHNOLOGIES

Driver: W.STODDARD

Tractor plate no: 038 Trailor: 136 ,

Container no: 136

Scale clerk: Mathieu Garceau

Driver's signature: William S. Stoddard

SCI-1200-16/NOV99

Weigh bill

Street:	2010/08/26	15:30	Gross:	29,480	kg	65,003	lbs
In:	2010/08/26	15:34	Tare:	18,650	kg	41,123	lbs
Out:	2010/08/26	18:37	Net:	10,830	kg	23,880	lbs
				10.83	m.t.	11.93	Tons

Batch number:

Order number: 118715

Placard - in: 343

Placard - out:

Work order:

Transportation documents

Can.: 9385423-0

U.S.: 003538745FLE

Generator: TRIUMVIRATE ENVIRONMENTAL (MERRIMACK)

Carrier: NEW ENGLAND DISPOSAL TECHNOLOGIES

Driver: WILLIAM STODDARD

Tractor plate no: 038 Trailor: 138 ,

Container no: 20006

Scale clerk: Mathieu Garceau

Driver's signature: William Stoddard

SCI-1200-16/NOV99

198 STN21291

CWHWD

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	MP5089791487	1	800-899-1038	STN21291-CYN

GENERATOR

5. Generator's Name and Mailing Address
City of New Bedford
133 William St.
New Bedford MA 02740
Generator's Phone: 508 961-4576

Generator's Site Address (if different than mailing address)
Former Payne Cutlery Site
395 Phillips Ave.
New Bedford MA 02740

6. Transporter 1 Company Name
Cyn Oil Corporation
U.S. EPA ID Number: MAD082303777

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Cyn Oil Corporation
1771 Washington St.
Stoughton MA 02072
Facility's Phone: 781 341-5108
U.S. EPA ID Number: MAD082303777

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non-RCRA, Non-DOT Regulated Material	002	DM	50	G	
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
1. Non-hazardous groundwater.

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Cheryl Henlin
Signature: Cheryl Henlin
Month Day Year: 6 21 12

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Mark Ellis
Signature: [illegible]
Month Day Year: 6 21 12

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Richard J Hume
Signature: R J Hume
Month Day Year: 06 21 12

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR